

THE  
CALIFORNIA  
STATE UNIVERSITY  
AND COLLEGES

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**CALIFORNIA  
STATE COLLEGE**



**DOMINGUEZ HILLS**

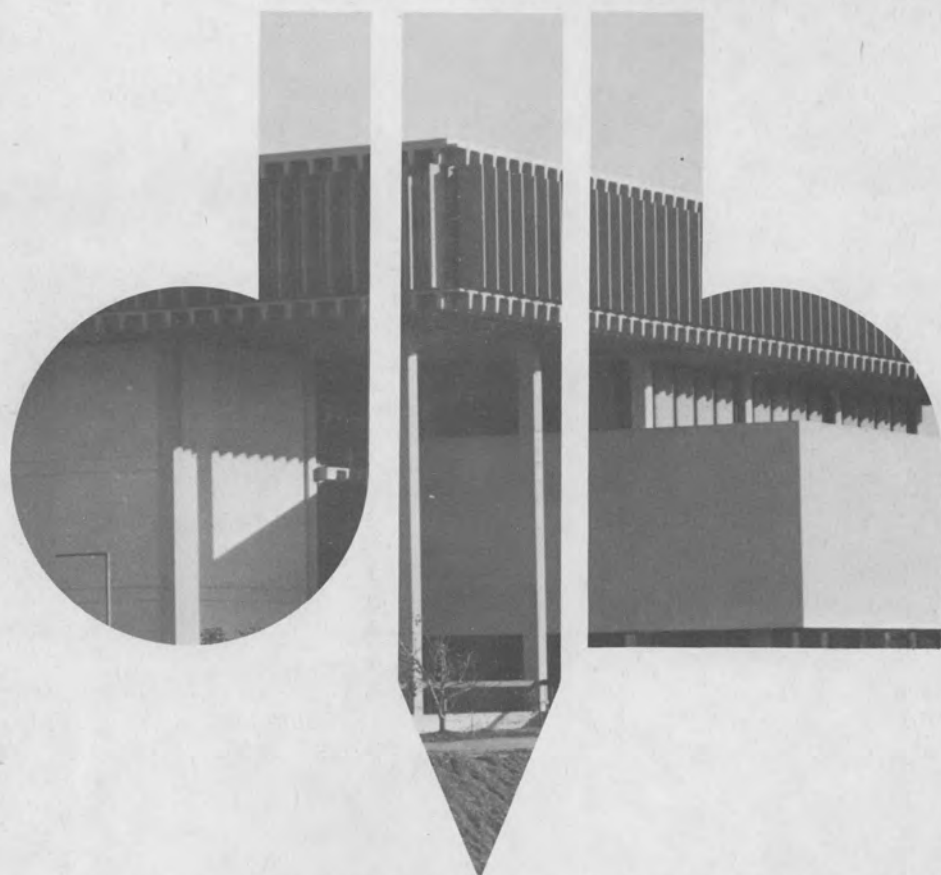
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CATALOG 73/74

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CATALOG 73/74

*Photography by Steve Crecy*

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# ACADEMIC CALENDAR 1973-74

	<i>Fall 1973</i>	<i>Winter 1974</i>	<i>Spring 1974</i>
First day to file application for admission or readmission .....	Nov. 1, 1972 Wednesday	June 1, 1973 Friday	Aug. 1, 1973 Wednesday
	Sept. 17, 1973		
Fall General Faculty Meeting.....	Monday		
Academic advisement by faculty for NEW students.....	Sept. 18 Tuesday		
Registration in person and academic advisement by faculty ....	Sept. 19-20 Wed.-Thurs.	Jan. 3, 1974 Thursday	March 28, 1974 Thursday
	Sept. 24 Monday	Jan. 7 Monday	April 1 Monday
Instruction begins .....	Sept. 28 Friday	Jan. 11 Friday	April 5 Friday
Last day to add courses .....	Sept. 28 Friday	Jan. 11 Friday	April 5 Friday
Last day to file for graduation to insure processing of degree requirements check .....	Sept. 28 ( <i>March graduation</i> )	Jan. 11 ( <i>June graduation</i> )	April 5 ( <i>Summer Session or Dec. graduation</i> )
Last day for refund of Materials and Service Fee .....	Oct. 8 Monday	Jan. 21 Monday	April 15 Monday
Last day to drop classes without a permanent record of enrollment.....	Oct. 12 Friday	Jan. 25 Friday	April 19 Friday
Last day for refund of Non-Resident Tuition Fee .....	Oct. 19 Friday	Feb. 1 Friday	April 26 Friday
	Nov. 6-15 ( <i>for Winter 1974</i> )	Feb. 5-14 ( <i>for Spring 1974</i> )	May 7-16 ( <i>for Fall 1974</i> )
Academic advisement for continuing students.....	Nov. 13-15 ( <i>for Winter 1974</i> )	Feb. 12-14 ( <i>for Spring 1974</i> )	May 14-16 ( <i>for Fall 1974</i> )
Registration period for continuing students.....	Dec. 5 Wednesday	March 15 Friday	June 7 Friday
Examination study day .....	Dec. 6, 7, 10, and 11	March 18, 19 20, and 21	June 10, 11, 12, and 13
Final examinations .....	Dec. 11 Tuesday	March 21 Thursday	June 13 Thursday
Quarter ends .....			June 15 Saturday
Commencement .....			June 15 Saturday
Academic holidays .....	Oct. 22, Mon. Nov. 22-23 Thurs.-Fri.	Feb. 18, Mon.	May 27, Mon.

## Summer Session 1974

Registration in person	June 13-15, Thurs.-Sat.
Instruction begins	June 17, Monday
Last date for change of program	June 21, Friday
Final examinations	July 25-26, Thurs.-Fri.
Summer Session ends	July 26, Friday
Academic holiday	July 4, Thursday

# THE CALIFORNIA STATE UNIVERSITY AND COLLEGES



## THE CALIFORNIA STATE UNIVERSITY AND COLLEGES

The individual California State Colleges were brought together as a system by the Donahoe Higher Education Act of 1960. In 1972 the system became The California State University and Colleges and fourteen of the nineteen campuses received the title *University*.

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

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

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

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

Presently, under the system's "New Approach to Higher Education," the campuses are implementing a wide variety of innovative programs to meet the changing needs of students and society. Among pilot programs under way are off-campus degree programs, weekend colleges, self-paced learning programs, and special testing programs to accelerate student progress toward a degree.

Enrollments in fall 1972 totaled 278,000 students, who were taught by a faculty of 15,500. Last year the system awarded over 55 percent of the bachelor's degrees and 35 percent of the master's degrees granted in California. Almost 360,000 persons have been graduated from the nineteen campuses since 1960.

## TRUSTEES OF THE CALIFORNIA STATE UNIVERSITY AND COLLEGES

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Honorable Ed Reinecke <i>Lieutenant Governor of California</i>	State Capitol, Sacramento 95814
Honorable Bob Moretti <i>Speaker of the Assembly</i>	State Capitol, Sacramento 95814
Honorable Wilson C. Riles <i>State Superintendent of Public Instruction</i>	721 Capitol Mall, Sacramento 95814
Dr. Glenn S. Dumke <i>Chancellor of the California State University and Colleges</i>	5670 Wilshire Boulevard, Los Angeles 90036

### APPOINTED TRUSTEES

Appointments are for a term of eight years expiring March 1 of the years in parentheses. Names are listed in order of appointment to the Board.

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Daniel H. Ridder (1975) 604 Pine Street, Long Beach 90801
George D. Hart (1975) 111 Sutter Street, San Francisco 94104
Alec L. Cory (1973) 530 B Street, Suite 1900, San Diego 92101
Edward O. Lee (1974) 2000 Center Street, Berkeley 94704
Karl L. Wente (1976) 5565 Tesla Road, Livermore 94550
W. O. Weissich (1977) 1299 Fourth Street, San Rafael 94901
Robert A. Hornby (1978) P.O. Box 60043, Terminal Annex, Los Angeles 90060
Wendell W. Witter (1979) 45 Montgomery Street, San Francisco 94106

Mrs. Winifred H. Lancaster (1977)  
P.O. Drawer JJ, Santa Barbara 93102

Gene M. Benedetti (1978)  
8990 Poplar Avenue, Cotati 94952

Mrs. C. Stewart Ritchie (1980)  
1064 Creek Drive, Menlo Park 94025

Roy T. Brophy (1980)  
2160 Royale Road, Suite 20, Sacramento 95815

Robert F. Beaver (1976)  
254 East 27th Street, Los Angeles 90011

Frank P. Adams (1981)  
781 Highland Avenue, Piedmont 94611

Dean S. Leshner (1981)  
7 Oaks Circle, Orinda 94563

Richard A. Garcia (1979)  
P.O. Box 2073, Glendale 91209

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#### THE CALIFORNIA STATE UNIVERSITY AND COLLEGES

5670 WILSHIRE BOULEVARD  
LOS ANGELES, CALIFORNIA 90036  
213 938-2981

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Chancellor

H. E. Brakebill

Executive Vice Chancellor

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Vice Chancellor, Business Affairs

Harry Harmon

Vice Chancellor, Physical Planning and Development

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Vice Chancellor, Faculty and Staff Affairs

W. B. Langsdorf

Vice Chancellor, Academic Affairs

## THE CALIFORNIA STATE UNIVERSITY AND COLLEGES

California State College, Bakersfield 9001 Stockdale Highway, Bakersfield, California 93309	
Paul F. Romberg, <i>President</i>	805 833-2011
California State University, Chico 1st and Normal Streets, Chico, California 95926	
Stanford Cazier, <i>President</i>	916 345-5011
California State College, Dominguez Hills 1000 East Victoria Street, Dominguez Hills, California 90747	
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California State University, Fresno Shaw and Cedar Avenues, Fresno, California 93710	
Norman A. Baxter, <i>President</i>	209 487-9011
California State University, Fullerton 800 North State College Boulevard, Fullerton, California 92634	
L. Donald Shields, <i>President</i>	714 870-2011
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California State University, Humboldt Arcata, California 95521	
_____	707 826-3011
California State University, Long Beach 6101 East Seventh Street, Long Beach, California 90840	
Stephen Horn, <i>President</i>	213 498-4111
California State University, Los Angeles 5151 State University Drive, Los Angeles, California 90032	
John A. Greenlee, <i>President</i>	213 224-0111

<p>California State University, Northridge 18111 Nordhoff Street, Northridge, California 91324</p>	
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<p>California State Polytechnic University, Pomona 3801 West Temple Avenue, Pomona, California 91768</p>	
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<p>California State University, Sacramento 6000 J Street, Sacramento, California 95819</p>	
James G. Bond, <i>President</i>	916 454-6011
<p>California State College, San Bernardino 5500 State College Parkway, San Bernardino, California 92407</p>	
John M. Pfau, <i>President</i>	714 887-6311
<p>California State University, San Diego 5402 College Avenue, San Diego, California 92115</p>	
Brage Golding, <i>President</i>	714 286-5000
<p>California State University, San Francisco 1600 Holloway Avenue, San Francisco, California 94132</p>	
_____	415 469-9123
<p>California State University, San Jose 125 South Seventh Street, San Jose, California 95114</p>	
John H. Bunzel, <i>President</i>	408 277-2000
<p>California Polytechnic State University, San Luis Obispo San Luis Obispo, California 93401</p>	
Robert E. Kennedy, <i>President</i>	805 546-0111
<p>Sonoma State College 1801 East Cotati Avenue, Rohnert Park, California 94928</p>	
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<p>Stanislaus State College 800 Monte Vista Avenue, Turlock, California 95380</p>	
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Chairman, Department of Business Administration.....	Martin R. Blyn
Chairman, Department of Public Administration .....	Gary B. Colboth
Chairman, Department of Urban and Environmental Management .....	Abraham Kidane

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Administrative Assistant to Business Manager.....	Sidney Goldstein
Controller .....	Edwin E. Ogren
Chief Accountant .....	Marie Stanton
Procurement and Support Services Officer.....	Rudolph E. Pliska
Personnel Officer .....	Robert Scott
Chief of Plant Operations.....	Woodrow W. Bush
Chief of Campus Police .....	Werth L. Harvey
Manager of Bookstore.....	Eldon Morgan

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Registrar .....	Larry D. McClelland
Senior Building Program Coordinator .....	Thomas S. Bullock
Campus Judicial Coordinator .....	Gary B. Colboth
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Head, Library Purchasing .....	Dennis E. Newborn
Coordinator, Audio Visual Services .....	David J. Hudson, Jr.

## Student Affairs

Dean of Student Affairs .....	Richard B. Ross
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Psychiatric Consultant to Student Affairs .....	Hiawatha Harris
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Director, Career Counseling and Placement .....	Janie MacHarg
Director, Financial Aid.....	Barbara A. Burnham
Director, Educational Opportunity Program .....	_____
Director of Program Development.....	William M. Hagan

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Director, Health Services .....	Elsie Giorgi
Physician .....	Arthur Rachels
Nurse .....	Arthelma Johnson



## THE COLLEGE

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## THE COLLEGE

The California State College, 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 college in 1967.

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

To guide the development of this new institution, the planning staff, during the pre-opening years, undertook a series of studies designed to provide information on student needs, community needs and trends in higher education. These studies included a compilation of the future plans of students in 21 high schools and four junior colleges in the area, a survey of recent curriculum trends in colleges and universities throughout the United States, an analysis of curricula in eight nearby institutions of higher education, and a survey of industrial, business, and civic needs in the area. In addition, a series of meetings was held with administrators of the nearby junior colleges to develop articulation of program.

The undergraduate academic program, developed by the California State College, Dominguez Hills, emphasizes the liberal arts and sciences as an educational foundation for all students. It has been designed so that students will acquire competency in a specific field as well as a broad understanding of the forces and issues in modern society. Opportunity for specialization, not only in specific disciplines but also in certain applied fields and professions, is provided. Graduates of this college, it is expected, will have developed the judgment and maturity to function as productive citizens within the changing patterns of our society.

## ACCREDITATION

The California State College, Dominguez Hills, is accredited by the Western Association of Schools and Colleges. Standard procedures of credit transfer between accredited institutions are therefore in effect.

## THE EDUCATIONAL RESOURCES CENTER

The Educational Resources Center combines the College Library, Audio-Visual Services, and Curriculum Materials Center. It is designed to meet the total informational needs of the college community.

The College Library has a book collection of more than 120,000 volumes, over 100,000 microforms, and subscribes to approximately 1,500 periodicals.

icals. The collection is increasing at the rate of about 15,000 volumes a year.

To further a wide acquaintance with recorded knowledge, the Library has an open shelf arrangement which facilitates direct access to the materials in the collection and encourages browsing or study in any field of interest. Facilities and services include microform reading and reproduction, photo duplication, typing room, and inter-library loan. Expert reference service is available to the entire campus community.

Audio-Visual Services provides instructional media for both classroom use and independent study. The Center has over 500 films, 2,000 recordings, and 22,000 slides. In addition, other materials are provided through rental libraries and free loan services.

The Curriculum Materials Center is designed to support the Teacher Education Program. State textbooks, supplementary texts, curriculum guides, media kits and similar materials are available to both students and faculty.

### RESEARCH AND DATA PROCESSING SERVICES

The Office of Institutional Studies and ADP provides centralized technical assistance and data processing services for instructional support, research, and administration.

Services supporting instructional programs include technical advice and computer processing for students enrolled in the Information Systems field as well as other departmental and interdepartmental programs and for faculty in the development and implementation of improved methods. Technical staff assistance in research methods and data processing services are available for college research programs, including the development and implementation of government and industrial research contracts and institutional evaluations and studies. Technical assistance in the development and implementation of administrative procedures and data processing for all areas of the college are also provided through this office.

Computer processing services are obtained through the use of the State University Data Center located at the Office of the Chancellor in Los Angeles and through the purchase of time on commercially available computers located nearby. A high-speed teleprocessing terminal to effect data communication between the college and the site of the central computers is now being utilized. In addition, limited amounts of computing services in time-shared (or conversational) mode are available through teletypewriter units installed at the college.

### INTERNATIONAL PROGRAMS

A study abroad program is offered by The California State University and Colleges International Programs, under which students may enroll for a full academic year simultaneously at their home campus, where they earn academic credit and maintain campus residency, and at a distinguished foreign university or a special program center.

Cooperating universities abroad include the University of Provence,

France; the University of Heidelberg, Germany; the University of Florence, Italy; the Universidad Ibero-Americana, Mexico; the University of Uppsala, Sweden; the University of Madrid and the University of Granada, Spain; Tel Aviv University and the Hebrew University of Jerusalem, Israel; and Waseda University, Japan. In the United Kingdom, cooperating universities, which may vary from year to year, include Dundee, Leicester, London, Oxford, and Sheffield. In addition, California State University and Colleges students may attend a special program in Taiwan, Republic of China, or an architectural program in Copenhagen, Denmark.

Eligibility is limited to students who will have upper division or graduate standing during their year of participation, who have a B (3.0) average or better in at least 30 semester or 45 quarter units in any two previous consecutive years; show ability to adapt to a new environment; and, in the cases of France, Germany, Mexico and Spain, are proficient in the language of instruction at the foreign university. Selection is made by a faculty committee on the students' home campus and by a statewide faculty committee.

The International Programs are supported by state funds to the extent that such funds would have been expended had the student concerned continued to study in California. Students assume costs for pre-departure orientation, insurance, transportation, housing and meals. Home campus registration fees, tuition on the home campus for out-of-state students (if the student is not a California resident) and personal incidental expenses or vacation travel costs while abroad are also paid for by the student. The Office of International Programs collects and administers funds for those items which the program must arrange or can negotiate more effectively: typically, home campus fees, orientation costs, insurance, outbound transportation, and housing in some centers. Students accepted in the International Programs may apply for any financial aid available at their home campus.

Application for the 1974-75 academic year must be submitted before February 4, 1974 (except for United Kingdom applicants who must submit applications by January 7, 1974). Applicants are notified of acceptance by April 1, 1974. Detailed information may be obtained from Campus Coordinator, Professor Y. Lenard, Department of Foreign Languages, or by writing to The California State University and Colleges International Programs, 5670 Wilshire Boulevard, Los Angeles, California 90036.

## STUDENT ACTIVITIES AND SERVICES

The same basic educational principles underlie both the student affairs program and the instructional program of the college. The extra-class activities of the college are designed to serve the abilities, needs and interests of all students. Participants must select wisely those activities which will broaden their cultural and intellectual lives and avail themselves of those services which contribute to their self-understanding and long-range career objectives.

Student services are vital to the college in order that students gain a full educational experience—intellectual, personal, social, and physical. While the instructional program focuses on the development of the intellect, student services enrich this classroom experience. Enrolled students are encouraged to make frequent use of these services.

### STUDENT ACTIVITIES

The Office of Student Activities and the College Cultural Program offers a wide variety of opportunities for participation in educational, cultural, social, and recreational activities and for experiential learning. It coordinates student, faculty, and community initiated programs for the benefit of the college and local community. It works with the Student Association and chartered and forming student organizations as well as with individual student and faculty programs to provide facilities, resources, coordination, and counseling. The office provides a campus Information Center which also houses such services as Lost and Found and housing and travel information.

#### *The Student Association*

A student referendum established the Student Association with a constitution, an elected government and mandatory annual fees for all students; amendments and changes, including abolishment, are provided for also by student referendum. The governing body of the Association is the Council, composed of elected officers. The Council makes final determination on budget matters. Within the Association, various Commissions and agencies are concerned with Finance, Publications, Academic Affairs, Activities, Organizations, Recreational Sports, Community Service and Environmental Quality.

### THE CENTER FOR EVALUATION AND APPLIED RESEARCH

The Center for Evaluation and Applied Research assists students to register for national examinations, such as the College Entrance Examination Board tests, the American College Testing Program, the Graduate Record Examination, the Law School Admission Test, and the Admission

Test for Graduate Study in Business, and administers and interprets vocational-academic interest and personality adjustment inventories as a counseling service to students. Students interested in taking tests for credit by examination can receive advice and assistance in making arrangements to take these tests.

The Center is also prepared to assist faculty regarding methods of evaluating student achievement, new instructional procedures, use of modern technology to support instruction, such as television and computer services, and using course objectives as a basis for preparing appropriate course examinations. Test scoring and item analysis is provided upon request. The Center also offers assistance in selecting and preparing examinations for granting advanced credit.

### COUNSELING CENTER

The Counseling Center provides an integrated service through one office including all phases of counseling, placement, and financial aids.

*Counseling* is provided for students who wish to confidentially discuss any problem which could deter them from fulfilling their educational objectives. While some students may be concerned with the selection of an appropriate major or vocation, other students may require the opportunity to realistically evaluate a personal or social problem which is related to the achievement of their educational objectives. A testing service, as well as the guidance of counselors, is available to students who desire to clarify the level of ability required to do academic work. Students who wish to may participate in groups in order to achieve greater sensitivity and integration toward fulfilling their educational objectives. The professionally trained staff of the counseling center is available to all enrolled students.

*Career Counseling and Placement*, an integral part of the Counseling Center, provides the following services: career counseling, career placement, teacher placement, and student employment. Career counseling is provided for students who wish to discuss vocational interests and career plans. A vocational library is maintained for student use, and information about employment opportunities, including job requirements and employment trends, is available. Students are urged to begin career planning early; assistance is available beginning with the freshman year. The placement service arranges for employers to interview candidates for career placement prior to the completion of their degree or credential programs.

Candidates for teaching positions are advised to contact the placement office at least five months prior to completion of their Teacher Education program.

*Part-time employment* opportunities, both on-campus and off-campus, are listed with the Career Counseling and Placement Service. Students are encouraged to contact this office regarding these opportunities.

### *Vocational Rehabilitation Services*

Students who have a physical, emotional, or other disability which handicaps them vocationally 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 may also qualify for help with medical needs, living expenses and transportation.

### *Handicapped Students*

California State College, Dominguez Hills, has made a special effort to accommodate the physically handicapped student. All buildings and classrooms are either accessible by normal ground level entrances, or the buildings are provided with elevators. Although the campus is spread out and may pose a problem for persons on braces, special arrangements can be made. Parking lots have over-sized stalls and are near the center of campus.

A handicapped student services program, (P.U.S.H.) Program Uplift for Students Handicapped, serves the needs of disabled students. P.U.S.H. also provides the disabled student with information on financial aid, priority registration, parking, the bookstore, and where and how to get books in braille.

## STUDENT HEALTH

Limited health services are available through the Health Center. Emergency medical treatment is available to students through the Health Center and through a student health insurance program. All students are encouraged to participate in a supplementary medical plan which is made available through the college. This insurance plan provides for major hospital expenses and surgical benefits at a low cost to students. Information concerning the medical insurance programs of the college can be obtained from the Health Center.

New students are required to have health clearance prior to registration. Medical history forms are sent to each student with his notification of admission and must be returned to the Health Center. Medical examinations are to be conducted by the family doctor at the expense of the matriculating student.

## STUDENT HOUSING

Until the college operates student residence halls on campus, it will have no college-approved housing for students. A housing rental listing service will be maintained by the Director of Student Activities and College Cultural Program, but this is provided solely for the convenience of students. Parents are urged to assist minor students in selecting appropriate living accommodations.

## STUDENT FINANCIAL AID

The purpose of the financial aid service is to provide appropriate financial assistance to eligible students to aid them in achieving educational objectives. Students are invited to contact the Financial Aid Office for counseling and information. To be considered for financial assistance students must complete the financial aid section of the Application for Admission. The financial aid application deadline is April 15 for the following fall quarter. Since the majority of the financial aid programs are governmentally sponsored, it is important to note that any financial aid commitments are subject to governmental appropriations and regulations.

### *Loans*

*National Direct Student Loan Program (NDSL).* NDS loans are available to all students who meet the need criteria. The maximum amount that may be borrowed per year is \$2,500, although awards rarely exceed \$1,000. Repayment plus three percent simple interest begins nine months after the student ceases to carry at least one-half of the normal full-time academic load.

*Federally Insured Student Loan (FISL).* These are long-term, low-interest loans made to students who meet the need criteria by commercial lending institutions, such as banks, savings and loan associations, and credit unions, and are, under certain conditions, interest-free while the student is in college. The maximum loan per academic year is \$2,500, although most lending institutions impose a lower maximum. Repayment and interest begins after graduation or termination of higher education.

*Short-Term Loans.* Students in good standing who are facing financial emergencies may apply for short-term loans for educational purposes. Generally these loans do not exceed \$50.00 and must be repaid within thirty days. These funds have been provided through the generosity of various individuals and organizations.

*College Work-Study.* College work-study is available to students who meet the need criteria. High priority is given to students from low income families who can contribute little, if any, towards college expenses. Wages range from \$1.75 to \$3.25 an hour.

### *Grants*

*Law Enforcement Education Program.* Law Enforcement Education grants are available for students who are presently regular law enforcement agency employees. Grants may not exceed the exact cost of registration fees and books.

*Supplemental Educational Opportunity Grant Program (SEOG).* Undergraduate students who have extreme financial need are eligible for this program. Grants range from \$200 to \$1,000 per year. These grants must be awarded in combination with other financial aid; therefore, the amount of the grant is matched with at least an equal amount of NDSL, college

work-study, scholarships, or other institutionally administered funds.

*California Educational Opportunity Grant Program.* Full-time undergraduate students admitted under the California Educational Opportunity Program (EOP) may apply for this program. Grants range from \$200 to \$700, and the need requirements are the same as for the SEOG Program.

### *Scholarships*

Scholarships are awarded for financial need and academic achievement. Applications are available in the Financial Aid Office during January and February; interviews are arranged in April; and selections are announced in May.

Awards are made for one academic year and are generally renewable if the student maintains high standards of scholarship and personal conduct and continues to need assistance.

*P.T.A. The California Congress of Parents and Teachers.* Six awards are given to Teacher Education candidates working toward an advanced credential to teach in the public schools in California. The criteria include merit, potential and need.

*Josie G. Bain.* This award is given to a Teacher Education candidate working toward a California credential to teach in an elementary or secondary school who demonstrates potential as an outstanding teacher and who has financial need. The award covers the fixed expenses of the college for one year.

*The Mabel Wilson Richards Award.* Awards are given to resident women candidates who demonstrate financial need and reflect high academic performance as well as potential for the professions to which they aspire.

It is hoped that additional scholarship awards will be available soon.

## EDUCATIONAL PARTICIPATION IN THE COMMUNITIES

E.P.I.C. is a community service internship program in the areas of education, unemployment, health, delinquency and drug prevention, consumer protection, and environmental quality programs, providing field experience opportunities and emphasizing a standard of excellence.

## STANDARDS FOR STUDENT CONDUCT

The college 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 college 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 college 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 college. The *California Administrative Code, Title 5, Section 41301*, reads:

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

- a. Cheating or plagiarism in connection with an academic program at a campus.
- b. Forgery, alteration or misuse of campus documents, records, or identification or knowingly furnishing false information to a campus.
- c. Misrepresentation of oneself or of an organization to be an agent of a campus.
- d. Obstruction or disruption, on or off campus property, of the campus educational process, administrative process, or other campus function.
- e. Physical abuse on or off campus property of the person or property of any member of the campus community or of members of his family or the threat of such physical abuse.
- f. Theft of, or non-accidental damage to, campus property, or property in the possession of, or owned by, a member of the campus community.
- g. Unauthorized entry into, unauthorized use of, or misuse of campus property.
- h. On campus property, the sale or knowing possession of dangerous drugs, restricted dangerous drugs, or narcotics as those terms are used in California statutes, except when lawfully prescribed pursuant to medical or dental care, or when lawfully permitted for the purpose of research, instruction or analysis.
- i. Knowing possession or use of explosives, dangerous chemicals or deadly weapons on campus property or at a college campus function without prior authorization of the campus president.
- j. Engaging in lewd, indecent, or obscene behavior on campus property or at a campus function.
- k. Abusive behavior directed toward a member of the campus community.
- l. Violation of any order of a campus president, notice of which has been given prior to such violation and during the academic term in which the violation occurs, either by publication in the campus newspaper, or by posting on an official bulletin board designated for this purpose, and which order is not inconsistent with any of the other provisions of this Section.
- m. Soliciting or assisting another to do any act which would subject a student to expulsion, suspension or probation pursuant to this Section.
- n. For purposes of this Article, the following terms are defined:
  1. The term "member of the campus community" is defined as meaning California State University and Colleges Trustees, aca-

demic, non-academic and administrative personnel, students, and other persons while such other persons are on campus property or at a campus function.

2. The term "campus property" includes:
  - A. real or personal property in the possession of, or under the control of, the Board of Trustees of the California State University and Colleges, and
  - B. all campus feeding, retail, or residence facilities whether operated by a campus or by a campus auxiliary organization.
3. The term "deadly weapons" includes any instrument or weapon of the kind commonly known as a blackjack, sling shot, billy, sandclub, sandbag, metal knuckles, 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.

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

## THE ACADEMIC PROGRAM

The undergraduate curriculum has been developed within the framework of the liberal arts and sciences. The total program, both undergraduate and graduate, is designed to preserve a balance among offerings in the humanities and fine arts, the social sciences, and the natural sciences and mathematics. The curriculum pattern has been designed to permit students earning a degree from the college to pursue a program of studies characterized both by breadth and by depth.

### GENERAL EDUCATION

The undergraduate general education curriculum consists of fifteen courses plus statutory requirements. The flexible design of the program makes it possible for each student to select courses which meet his personal goals. Courses used to fulfill requirements in General Education may *not* be used to fulfill major course requirements, except as specified in the Liberal Studies major.

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

#### I. Natural Sciences and Mathematics

*Select one course:*

Biological Science 102

Biological Science 110

*Select one course:*

Chemistry 102

Chemistry 110

Physics 101

Physics 110

#### II. Social and Behavioral Sciences

*Select two courses:*

Anthropology 100

Economics 100

Geography 100

History 100

Political Science 100

Psychology 100

Sociology 100

III. Humanities and Fine Arts

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

Art 100

Art 110

Music 100

Music 101

Philosophy 101

Philosophy 102

English 130

Foreign Language—Any lower division course

IV. Basic Subjects

*Required Courses:*

English 100

English 101

*Select one course:*

Mathematics 100

Mathematics 110

Mathematics 150

Mathematics 160

V. General Electives

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

Biological Science 112

Biological Science 120

Chemistry 112

Mathematics 112

Physics 112

Physics 150

Physics 156

Physics 160

VI. Statutory Requirements

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

History 101, or

Political Science 101, or

Examination

## MAJOR WITH DUAL FIELDS OF CONCENTRATION

The Major with Dual Fields of Concentration joins the disciplinary and interdisciplinary approaches and provides for depth in a single discipline and, through an interdepartmental field, the breadth of perspective which specialized study confined to a single field often does not give.

The programs in the interdepartmental fields are designed to explore areas of study to which several disciplines contribute, and courses from the total offerings of the college which are pertinent to the topic under study are utilized. Each interdepartmental field will culminate in a senior seminar, which serves as a capstone to the program. The seminar is planned to give the student an opportunity to interrelate and extrapolate meanings from the content of the entire curriculum.

Students who select a Major with Dual Fields of Concentration must complete both a Departmental and an Interdepartmental Field of Concentration with a minimum of nine full courses in each.

### *Departmental Fields of Concentration*

Anthropology	Mathematics
Art	Music
Biological Science	Philosophy
Chemistry	Physical Education
Economics	Physics
English	Political Science
French	Psychology
Geography	Sociology
History	Spanish

### *Interdepartmental Fields of Concentration*

Afro-American Studies	Latin American Studies
American Business and Economic Systems	Linguistics
American Studies	Mexican American Studies
Behavioral Sciences	Theatre Arts
Early Childhood Studies	Twentieth Century Thought and Expression
Earth and Marine Sciences	Urban Studies
East Asian Studies	
The Foundations of Natural Science	
Information Systems	

## A MAJOR AND A MINOR

Students may elect a major in any Departmental or Interdepartmental Field of Concentration and a minor. The major field of concentration requires a minimum of nine full courses, and the minor requires a minimum of six full courses.

Minor programs are offered in all departmental fields and in all inter-departmental fields except Early Childhood Studies and Foundations of Natural Science. Requirements for the minor in Information Systems are not shown in this catalog, but will be available in the Office of the Dean, School of Natural Sciences and Mathematics.

### A MAJOR IN A SINGLE FIELD

Seven majors in a single field are offered. Students who fulfill the requirements for one of these majors are not required to complete a second field of concentration. The seven majors in a single field are:

- Business Administration
- Communications
- Health Science: Medical Technology
- Liberal Studies
- Public Administration
- Urban Studies: Environmental Management
- Urban Studies: Urban Management

Communications, Health Science: Medical Technology, and Liberal Studies lead to a Bachelor of Arts degree; Business Administration, Public Administration, and the two Urban Studies programs in Management lead to the Bachelor of Science degree.

### BACHELOR OF ARTS DEGREE PROGRAMS

Afro-American Studies	History
American Business and	Information Systems
Economic Systems	Latin American Studies
American Studies	Liberal Studies
Anthropology	Linguistics
Art	Mathematics
Behavioral Sciences	Mexican American Studies
Biological Science	Music
Chemistry	Philosophy
Communications	Physical Education
Early Childhood Studies	Physics
Earth and Marine Studies	Political Science
East Asian Studies	Psychology
Economics	Sociology
English	Spanish
The Foundations of Natural Science	Theatre Arts
French	Twentieth Century Thought and
Geography	Expression
Health Science: Medical Technology	Urban Studies

### BACHELOR OF SCIENCE DEGREE PROGRAMS

Business Administration

Public Administration

Urban Studies: Environmental Management

Urban Studies: Urban Management

In addition to the above, lower division courses are offered in German and Japanese.

### GRADUATE PROGRAMS

The California State College, Dominguez Hills, is a member of the Western Association of Graduate Schools. In addition to the professional programs in Teacher Education which prepare candidates for elementary and secondary credential certification, the college offers the following graduate programs:

Master of Arts in Behavioral Sciences

Master of Arts in Education

Master of Arts in English

Master of Business Administration

Consult the appropriate sections of this catalog for graduate admission requirements and college requirements for the master's degree. Specific program requirements are shown with the curricula in Behavioral Sciences, Business Administration, Education and English.

## INNOVATIVE PROGRAMS AND INSTITUTIONAL DEVELOPMENT

### THE SMALL COLLEGE

The Small College concept, permitting educational innovation and closer student-faculty contact, has been in the master plan of California State College, Dominguez Hills, since its inception.

With the cooperation of a Carnegie Corporation grant, the California State College, Dominguez Hills, enrolls a limited number of freshman students each quarter in a creative, accelerated program leading to the baccalaureate degree. The Small College, while part of the larger institution, has its own facilities, faculty, goals, and standards of achievement.

#### *Three-Year Baccalaureate*

Although a variety of learning experiences are available in the Small College and students may pursue their education at varying rates of speed, perhaps most unusual is that the program is designed to provide the typical student with the opportunity to earn a bachelor's degree in three years. The three-year baccalaureate can be achieved by elimination of repetition of subject matter and utilization of such techniques as student acceleration, advanced placement, and independent study. It does not require additional work, such as summer session or extension.

#### *The Curriculum*

The Small College curriculum structure recognizes the variety of material, teaching techniques, and depth of inquiry which distinguish college level courses, especially those created within an innovative program. Classes in the Small College, termed modules, vary in length and unit value according to the subject matter and the teaching technique utilized. For convenience in scheduling, all modules are either three, six, or nine weeks in length; and three-week, six-week, or nine-week modules may begin or end at any three-week interval.

Each module is taught to specific learning objectives. The student is advised what these objectives are and what abilities he will be expected to have mastered upon the completion of the module. At any time the student demonstrates that the objectives have been accomplished, credit is granted for the class. By the same token, no credit will be granted for a module without the student's first demonstrating that the objectives have been met. Pre-testing out of modules is encouraged.

#### *Advisement/The Mentor System*

One of the major foundations of the program is the personal involvement of the faculty in the academic progress of each student. Upon admission, each student is assigned to a faculty member who is to serve as friend and adviser, or "mentor." This assignment is made on a random

basis, and any student dissatisfied with the arrangement may request a change. The mentor is responsible for advising the student concerning progress toward academic goals. Together, mentor and student design a program of study that will meet that student's interests, needs and capabilities.

### *The Program Design*

*General Education.* Students are expected to follow a general program of introduction to the main disciplines within the humanities, natural sciences, and social sciences, as well as demonstrating some skills in mathematics, speaking, and writing. Portions of this program may function as initial steps in the student's Field of Emphasis. While no courses are specifically required, students select a range of courses which fulfill California state requirements for a total of sixty quarter units.

*Field of Emphasis.* The Fields of Emphasis correspond somewhat to "majors" but consist of broad, interdisciplinary fields rather than the specialized subject matter areas traditionally offered for the baccalaureate. Their structure is flexible in order both to serve immediate student needs and to make the curriculum adaptable to later changes in content. Students can presently choose a Field of Emphasis in Humanities, Social Sciences, Natural Sciences, or General Studies. They may also select, under close faculty advisement, a "concentration" in a more specialized area within their Field of Emphasis, such as communications, comparative literature, or human biology.

*Thematic Project.* The Thematic Project provides maximum opportunity for students to pursue their individual interests and talents to the extent that they are educationally valid. The following options are included:

1. Concentration in a specific area. Students who wish to pursue a specialized subject suggested by their interdisciplinary concentration can do so, as well as students who wish, for professional or personal reasons, to strengthen their backgrounds in a traditional academic discipline so that they can be admitted to specific graduate programs.
2. A creative project in the arts. Students who are artistically creative can produce a series of paintings or writings, make a film, compose a piece of music.
3. Research. Students interested in research can present a solid paper or thesis on a research subject of their interest.
4. Development of human resources. Students with strong avocational interests and talent can develop them in a systematic and serious manner.
5. Foreign study related to a particular interest. The State Colleges International Program is available for students wishing to study foreign languages, cultures, politics and economies abroad.

6. Experiential/Cooperative Education. Supervised employment or volunteer service related to the student's career interests and goals is encouraged.

*Electives.* In addition to a flexible Field of Emphasis and an individualized Thematic Project, student programs include electives.

### **Admission**

The Small College is committed to a creative admissions policy where each applicant is given personal attention. Prospective students from all social, cultural, and academic backgrounds are encouraged to apply.

The Small College provides for a complete undergraduate program. Only incoming freshmen with less than 21 quarter, or 14 semester, units are eligible for admission. The Small College can consider only those applicants that have met the admissions requirements of The California State College, Dominguez Hills. Inquiries may be directed to the office of the Small College.

### **EXTERNAL DEGREE PROGRAMS**

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

California State College, Dominguez Hills, with the approval of The California State University and Colleges Commission on External Degree Programs, is offering a Master of Business Administration, a Portal Program in Business Administration, and a Bachelor of Arts in Humanities (Images of Humanity).

Further information about external degree programs, including admission requirements and course descriptions, is available in the Office of Innovative Programs.

### **SUMMER SESSION**

Immediately following the close of Spring quarter, a six-week summer session is conducted. A comprehensive schedule of classes from the regular college catalog is offered, as well as special courses designed for presentation during the Summer Session only.

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

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

#### EXTENSION

The college offers special programs at various off-campus locations. These offerings are either regular courses of the college or special courses/programs designed to meet the particular needs of the community.

Information is available in the Office of the Director of Extension.

## THE SCHOOL OF EDUCATION

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

### *Early Childhood Studies*

The Interdepartmental Field of Concentration in Early Childhood Studies fulfills the requirements for both the partial credential in Early Childhood Teaching and the Bachelor of Arts degree.

*Note:* Since new requirements for teaching credentials will be effective in the fall 1974, students interested in a partial credential in Early Childhood Teaching should consult an adviser in the School of Education prior to enrolling in this program.

### *Post-Graduate Credential Programs*

The School of Education has developed a performance-based, field-centered teacher education curriculum. After fulfillment of certain prerequisite experiences, students are selected for the professional sequence of work, including a one-year internship in a public school setting.

### *Master's Degree Programs*

*Curriculum Specialization.* Students electing the Specialization in Curriculum are provided an opportunity to extend their own understanding of the process of personal growth and development in relation to teaching and learning, to examine special problems in development and organization of school curriculum, and to develop sensitivity to communities and cultures which schools serve. This broad option includes electives in special education, social and philosophical foundations, socio-linguistics and reading and educational technology.

*Early Childhood Education Specialization.* This option is designed to prepare individuals to assume leadership positions in public or private early childhood education facilities. In addition to a core of instruction in research methods, human development, socio-cultural understanding and community resources, students may pursue one of two emphases: Administration or Curriculum-Instruction. This program is performance-based and requires an internship experience.

## THE SCHOOL OF HUMANITIES AND FINE ARTS

The School of Humanities and Fine Arts offers instruction in communications, language, literature, music, philosophy and visual arts. In addition to the fields of concentration shown below, the School is responsible for instruction in humanities and fine arts offerings in General Education and in elective courses.

Students choosing departmental or interdepartmental fields offered by the School of Humanities and Fine Arts will ordinarily be pursuing one or more of the following objectives: completing a college 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 pursuits in which an emphasis on the humanities and fine arts is especially desirable.

Among course offerings open to all students in the college are activities courses and workshops in drama, music, and studio art. These courses offer training and experience in creating works in the visual arts and in creating and performing works in the arts of music and drama.

### *Fields of Concentration*

Departmental fields offered by the School, available either as majors or minors, are:

Art	Music
English	Philosophy
French	Spanish

Interdepartmental fields, available either as majors or minors, are:

East Asian Studies	Mexican American Studies
Latin American Studies	Theatre Arts
Linguistics	Twentieth Century Thought and Expression

In addition to the above, the School of Humanities and Fine Arts currently offers a single field major in Communications, lower division courses in Japanese and German, and a number of courses not assigned to specific departmental or interdepartmental programs (see page 148).

The School also offers a Master of Arts Degree in English. Other M.A. degree programs are projected for subsequent years.

### *School Requirements for the B.A. Degree*

In addition to satisfying all other college requirements for the B.A. degree, students who plan to take the degree in one of the departmental fields offered by the School of Humanities and Fine Arts must complete

satisfactorily at least nine upper division full courses (or a combination of full and half courses equivalent to nine full courses) in the pattern specified for the departmental field.

### *Evening Programs*

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

Art

English (B.A. and M.A.)

Philosophy

Twentieth Century Thought and Expression

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

### *Advisement*

Academic advisement for all students selecting fields of concentration in the School of Humanities and Fine Arts is available through departmental and interdepartmental offices housed in the Educational Resources Center (ERC). Students who are undecided about the specific choice of fields of concentration are invited to confer with the School Coordinator of Advisement, whose office is also located in the Educational Resources Center.

## THE SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

The School of Natural Sciences and Mathematics includes departments of biological science, chemistry, health science, mathematics, physical education-recreation, and physics. In addition to the fields of concentration shown below, the School is responsible for instruction within the General Education program and for elective courses in the biological and physical sciences and mathematics.

Programs in the departmental fields are sufficiently flexible to serve students with various educational, vocational and professional goals. Suitable combinations of departmental and interdepartmental fields will enable a student to prepare for graduate work and a subsequent career as a professional scientist; to prepare for professional graduate schooling in such fields as medicine and dentistry; to enter directly into industrial or government laboratories; to prepare for teaching; or to provide a scientific background for a future career in business, law, or management.

Lower division students who plan to choose departmental or interdepartmental fields in the School of Natural Sciences and Mathematics will normally complete course sequences in chemistry and in mathematics in the freshman year, and course sequences in physics and in biological science in the sophomore year.

### *Fields of Concentration*

The departmental fields of concentration offered by the School of Natural Sciences and Mathematics are:

- Biological Science
- Chemistry
- Mathematics
- Physical Education
- Physics

The interdepartmental fields of concentration offered by the School are:

- Earth and Marine Sciences
- The Foundations of Natural Science
- Information Systems

A major in Health Science: Medical Technology, a single field, is also offered by the School.

## THE SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

The School of Social and Behavioral Sciences includes departments of anthropology, economics, geography, history, political science, psychology, and sociology. In addition to the fields of concentration shown below, the School is responsible for courses in the General Education program and elective courses in the social and behavioral sciences.

Curriculums in the School are designed to explain the cultural landscape, human attitudes and human behavior through methods already well established, and through the use of newer analytical techniques frequently involving quantitative procedures.

Programs in the departmental fields combined with interdepartmental fields, chosen from any of the three Schools in the college, provide a wide degree of flexibility for attaining various educational, vocational, or professional goals. Appropriate combinations will enable students not only to complete their bachelor's degree with an emphasis on social and behavioral sciences, but also to prepare for graduate work and to obtain a background for additional study leading to careers in business, government service, law, and other professions. Graduate degree programs in departmental and interdepartmental fields are also being implemented in accordance with the academic master plan of the college.

### *Fields of Concentration*

The departmental fields of concentration offered by the School of Social and Behavioral Sciences are:

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

The interdepartmental fields of concentration offered by the School are:

- Afro-American Studies
- American Business and Economic Systems
- American Studies
- Behavioral Sciences
- Urban Studies

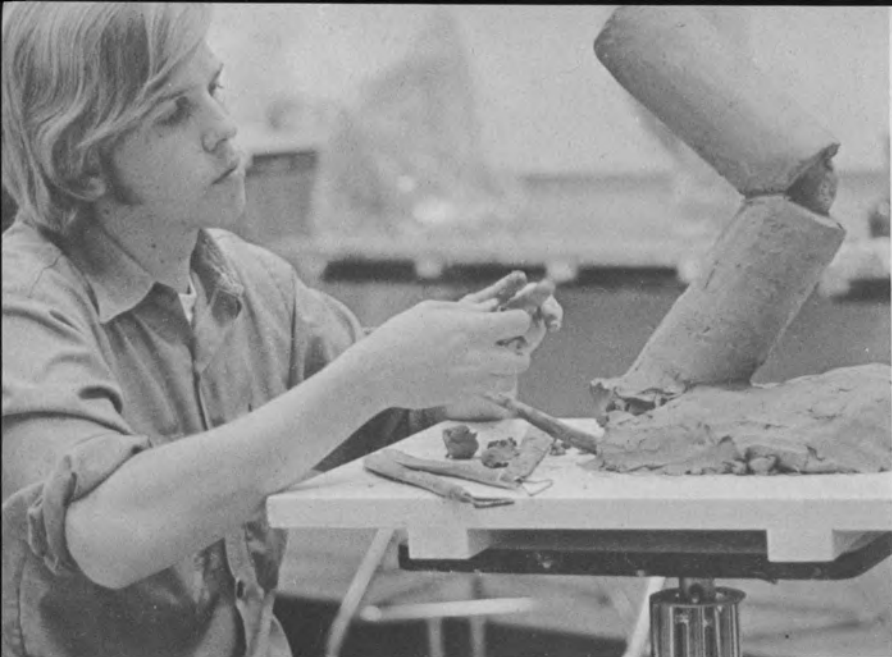
The School also offers a Master of Arts Degree in Behavioral Sciences.

## THE DIVISION OF MANAGEMENT

The newly formed Division of Management includes the departments of business administration, public administration, and urban and environmental management. The majors offered by this division, which require completion of a single field only and which lead to the Bachelor of Science degree, are:

- Business Administration
- Public Administration
- Urban Studies: Environmental Management
- Urban Studies: Urban Management

In addition, a Master of Business Administration is offered.



# DEGREE REQUIREMENTS

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## COLLEGE REQUIREMENTS FOR THE BACHELOR'S DEGREE

Course work for the Bachelor of Arts or the Bachelor of Science degree normally extends over 12 full quarters of academic work (3 quarters during each of 4 academic years), but progress may be accelerated through summer sessions, acceptable extension course work, or credit by examination. College-wide requirements for the degree are described in detail in succeeding paragraphs, and specific requirements for the various majors are outlined under their appropriate headings elsewhere in this catalog.

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

1. Completion of 186 quarter units of credit.
2. Completion of General Education (60 quarter units).
3. Satisfaction of statutory requirements in American history and government—either by completing a course (History 101 or Political Science 101) or by successfully passing an examination.
4. Completion of one of the following: a Major with Dual Fields of Concentration; a Major and a Minor; or a Major in one of the seven designated Single Fields.
5. Completion of elective courses (beyond the requirements in 2, 3 and 4 above) to reach the total of 186 quarter units of credit.

### UNITS

#### *Total Units*

A minimum of 186 quarter units (46½ full courses) is required for the bachelor's degree.

#### *Upper Division Units*

A minimum of 60 quarter units (15 full courses) of upper division credit must be completed.

#### *Resident Units*

1. A minimum of 36 quarter units must be completed in residence—i.e., at the California State College, Dominguez Hills.
2. At least 18 of these 36 residence units must be completed among the last 30 quarter units counted toward the degree.<sup>1</sup>
3. Extension credit or credit by examination may not be used to fulfill the minimum residence requirement.
4. Credit received in summer session may be counted as residence credit.

<sup>1</sup> To assure the acceptability of courses taken out of residence toward fulfillment of major requirements at this college, students who plan to complete any of the last 30 quarter units out of residence must petition for approval with the Office of Admissions and Records.

## SCHOLARSHIP

A minimum grade point average of 2.0 is required for:

1. All units attempted at California State College, Dominguez Hills;
2. All units attempted (combination of California State College, Dominguez Hills units and transfer units);
3. All units attempted for the departmental major or minor; and all units attempted for the interdepartmental major or minor; or
4. All units attempted for the major in a single field.

## GENERAL EDUCATION REQUIREMENTS

Completion of a minimum of 60 quarter units in General Education, as specified in The California Administrative Code, Title V, is required of all students graduating from California State College, Dominguez Hills. The courses which may be used to satisfy this requirement are listed in the section of the catalog describing the Academic Program.

### *Certification*

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

## AMERICAN HISTORY AND INSTITUTIONS

Each student to qualify for graduation 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 either Political Science 101, American Institutions, *or* History 101, American Institutions, or by passing a comprehensive examination on these fields. Students transferring from other colleges who have not already met one or more of these requirements may take examinations in only those parts not met. Students transferring from other accredited institutions of collegiate grade who have already met these requirements shall not be required to take further courses or examinations therein.

## MAJOR REQUIREMENTS

A candidate for graduation must present one of the following in fulfillment of degree requirements.

### *A Major With Dual Fields of Concentration*

The Major with Dual Fields of Concentration consists of two fields of concentration—one a departmental field and the other an interdepartmental field.

*For the Departmental Field of concentration*, a minimum of nine full courses, including lower and upper division requirements, must be completed. Seven of the nine full courses must be in upper division work. Specific course requirements for each field are listed in this catalog under its heading.

*For the Interdepartmental Field of Concentration*, a minimum of nine full courses, including lower and upper division requirements, must also be completed. Six of the nine full courses must be in upper division work. Specific course requirements for each field are listed in this catalog under its heading.

#### ***A Major and A Minor***

The Major and Minor combination consists of two fields of concentration. *The Major* may be selected from any departmental or interdepartmental field of concentration and must consist of a minimum of nine full courses and be in accordance with the regulations specified in the preceding section.

*The Minor* may be selected from any departmental or interdepartmental field of concentration offering a minor program. The minimum number of courses required for the minor is six (24 units), of which four courses (16 units) must be upper division work.

#### ***A Major in a Single Field***

Students who select a major in one of the seven fields designated—Business Administration, Communications, Health Science: Medical Technology, Liberal Studies, Public Administration, Urban Studies: Environmental Management, and Urban Studies: Urban Management—are required to satisfy the requirements listed for that field only and are not required to select a second field of concentration.

#### ***Course Requirements***

A course may not satisfy unit requirements in more than one field of concentration; i.e., a course which is used to satisfy a requirement in a departmental field may not also be used to satisfy minimum course requirements in an interdepartmental field, and vice versa.

### **ELECTIVES**

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

Electives chosen by the student to complete the minimum requirements for graduation may be selected to broaden general education and avocational interests.

## REQUIREMENTS UNDER WHICH A STUDENT GRADUATES

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

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

## APPROVED PROGRAM OF STUDIES

A student should declare his major at the beginning of his junior year (upon completion of 90 quarter units) by completing the departmental and interdepartmental major advisement forms with his advisers. These forms may be obtained from the faculty advisers.

## APPLICATION FOR GRADUATION

An undergraduate must file a Candidacy for Bachelor's Degree Card during the first week of instruction for the second quarter of the senior year so that degree requirements may be checked.

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

First week of Fall Quarter for March graduation

First week of Winter Quarter for June graduation

First week of Spring Quarter for Summer graduation

First week of Spring Quarter for December graduation

Failure to file on time may result in late processing. If a student does not graduate in the term for which he files, he must notify the Admissions and Records Office of the new term in which he plans to graduate. The original graduation check is valid as long as the student remains in continuous attendance and completes the fields of concentration under which the graduation check was requested.

### *Faculty Approval*

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

## COLLEGE REQUIREMENTS FOR THE MASTER'S DEGREE

### *Advancement to Candidacy*

After meeting certain requirements, the student is advanced to *candidacy* which means that he has cleared the preliminary hurdles on his way to the degree and that the faculty believes he is capable of achieving it. Requirements for advancement to candidacy include: status as a *classified* student, recommendation of the appropriate department or institute, and approval of the all-college Graduate Studies Committee. Grade point averages will be weighed by the department in determining whether the student's undergraduate and graduate record merits advancement to candidacy.

### *Requirements*

The course of study leading to the Master's degree varies considerably in structure and content because different disciplines have different expectations; however, certain minimum standards are prescribed by the *California Administrative Code, Title V*, and by the college. These requirements are:

1. A minimum of *45 quarter units* of approved graduate work completed within seven years of the date when all the requirements for the degree are completed, except that the college, at its option, may extend the time for students who pass a comprehensive examination in the relevant course or subject field.
  - A. Not less than *36 quarter units* shall be completed in residence.
  - B. Not less than *22½ quarter units* shall be in courses organized primarily for graduate students.
  - C. No more than *9 quarter units* shall be in student teaching, extension, or a combination of student teaching and extension; and no units in student teaching or in extension classes taken at another college shall apply.
  - D. Not more than *9 quarter units* shall be allowed for a thesis.
2. A grade point average of 3.0 (grade of B on a five-point scale) or better in all courses taken to satisfy the requirements for the degree, except that a course in which no letter grade is assigned shall not be used in computing the grade point average.
3. Completion of a satisfactory pattern of studies in an approved field of concentration. (Foreign language requirement is a policy determined by the department concerned.)
4. Completion of one or more of the following: a project in the creative arts; a thesis; a comprehensive examination. The departments will

determine which alternatives are most appropriate to particular disciplines.

5. Approval of the department, the Graduate Studies Committee, and the faculty of the college.



# MAJOR FIELDS OF CONCENTRATION AND COURSE OFFERINGS

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## AFRO-AMERICAN STUDIES

### An Interdepartmental Field of Concentration

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

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN AFRO-AMERICAN STUDIES

#### *Upper Division*

- A. History 254. The Afro-American from Africa through Reconstruction  
History 275. Africa: Pre-Colonial Period
- B. Any three of the following in the School of Social and Behavioral Sciences, of which not more than two may be selected from the same department:
  - Anthropology 238. Peoples of Sub-Saharan Africa
  - Geography 262. Modern Africa
  - History 255. The Afro-American from Reconstruction to the Present
  - History 276. Africa: Colonialism to Independence
  - Political Science 223. Black Politics
  - Political Science 238. New States in World Politics
  - Political Science 249. Government and Politics in Sub-Saharan Africa
  - Psychology 283. Psychology of the Black Experience
  - Sociology 216. Black Communities: Class, Status, and Power
  - Sociology 235. Social Movements: Black Awareness
  - Sociology 260. Minority Racial and Ethnic Relations
- C. Any two courses from the following list in the School of Humanities and Fine Arts:
  - Art 254. Afro-American Art
  - Art 265. Art of Black Africa
  - English 243. Afro-American Poetry
  - English 244. Afro-American Prose
  - Music 252. Afro-American Music
- D. An elective outside the student's departmental field from sections B and C or any of the following:
  - Anthropology 210. Psychological Anthropology
  - Anthropology 220. Urban Anthropology
  - †Economics 245. Economic Development
  - Economics 282. Economics of Poverty
  - Philosophy 270. Philosophy in the Modern World
  - Philosophy 272. Philosophical Issues in Third World Social Thought
  - Political Science 220. Urban Government and Politics
  - Political Science 248. The Politics of Developing Areas
- E. The senior seminar in this field.

† Consult course description for prerequisite.

REQUIREMENTS FOR THE MINOR IN AFRO-AMERICAN STUDIES

*Upper Division*

- A. History 254. The Afro-American from Africa through Reconstruction  
History 255. The Afro-American from Reconstruction to the Present
- B. Any two of the following:
  - Anthropology 238. Peoples of the Sub-Saharan Africa
  - Economics 282. Economics of Poverty
  - Geography 262. Modern Africa
  - History 275. Africa: Pre-Colonial Period
  - History 276. Africa: Colonialism to Independence
  - Political Science 223. Black Politics
  - Political Science 238. New States in World Politics
  - Political Science 249. Government and Politics in Sub-Saharan Africa
  - Psychology 283. Psychology of the Black Experience
  - Sociology 216. Black Communities: Class, Status, and Power
  - Sociology 235. Social Movements: Black Awareness
  - Sociology 260. Minority Racial and Ethnic Relations
- C. Any two of the following:
  - Art 254. Afro-American Art
  - Art 265. Art of Black Africa
  - English 243. Afro-American Poetry
  - English 244. Afro-American Prose
  - Music 252. Afro-American Music

COURSE OFFERING

*Upper Division*

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

Full Course (4)

## AMERICAN BUSINESS AND ECONOMIC SYSTEMS

### An Interdepartmental Field of Concentration

The interdepartmental field in American Business and Economic Systems is designed to provide a broad understanding of the American business system, in terms of the internal decisionmaking process and in terms of its current and historical social environment.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN AMERICAN BUSINESS AND ECONOMIC SYSTEMS

Course requirements are intended to meet specific objectives consistent with the general goals of the program. It is recommended that courses be taken in the order suggested below.

1. To provide an understanding of the economic role of the business enterprise, that is, to demonstrate the role of the firm in combining and allocating scarce resources in such ways as to optimize production efficiency and consumer satisfaction, students are required to take:

American Business and Economic Systems 200. Business and the Economic System.

NOTE: *Students who have taken Economics 110-111, or the equivalent, may not take American Business and Economics Systems 200 and should consult their adviser to select an additional elective course from 3 below.*

2. Two components provide an understanding of the management function:
  - a. To convey an understanding of how decisions affecting the firm's primary economic functions are made, two courses are required:  
Business Administration 210. Management and Organizational Behavior  
Economics 215. American Economic History
  - b. To explore the role of the individual in the modern business enterprise and to see how the individual is accommodated by the organization and the kinds of concessions he is required to make, one course is required:  
Sociology 225. Sociology of Work
3. To give the student an appreciation of the interaction between the business system and its external environment, that is, to show the reciprocal influences between business and cultural, political, and social institutions and thought, students may select four of the following courses:  
Chemistry 286. American Science and Technology  
†Economics 275. Industrial Organization and the American Economy  
†Geography 225. Economic Geography  
History 251. Labor in American Society  
Philosophy 217. Values and the Future  
Political Science 260. American Constitutional Law: Distribution of Power  
Sociology 214. Formal Organizations  
Sociology 236. Sociology of Economic Life
4. An evaluation of the functions of the contemporary business system and a projection of its possible evolution are dealt with through:  
American Business and Economics Systems 290. Seminar in American Business and Economic Systems

† Consult course description for prerequisites.

## REQUIREMENTS FOR THE MINOR IN AMERICAN BUSINESS AND ECONOMIC SYSTEMS

### *Upper Division*

It is recommended that courses be taken in the order listed below.

1. American Business and Economic Systems 200. Business and the Economic System
2. Economics 215. American Economic History  
Business Administration 210. Management and Organizational Behavior  
Sociology 225. Sociology of Work
3. Select one from the following list:  
Chemistry 286. American Science and Technology  
†Economics 275. Industrial Organization and the American Economy  
† Geography 225. Economic Geography  
History 251. Labor in American Society  
Philosophy 217. Values and the Future  
Political Science 280. American Constitutional Law:  
Distribution of Power  
Sociology 214. Formal Organizations  
Sociology 236. Sociology of Economic Life
4. American Business and Economic Systems 290. Seminar in American Business and Economic Systems

### COURSE OFFERINGS

#### *Upper Division*

**200. BUSINESS AND THE ECONOMIC SYSTEM.** Fundamental concepts of micro- and macro-economic theory in their business applications. Factor organization, market structure and pricing under conditions of competition, monopolistic competition, oligopoly and monopoly. Governmental policies as they affect business decisionmaking.

Full Course (4)

**290. SEMINAR IN AMERICAN BUSINESS AND ECONOMIC SYSTEMS.** Designed to integrate perspectives in American business and economic systems afforded by the major. Students will prepare and present seminar papers. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

† Consult course description for prerequisites.

## AMERICAN STUDIES

### An Interdepartmental Field of Concentration

The American Studies program offers the student an opportunity to approach the American experience historically and culturally across conventional disciplines. Its requirements provide the basis for a broad analysis of national development and an in-depth focus on particular American problems, issues and conflicts.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN AMERICAN STUDIES

#### *Upper Division*

- A. American Studies 200. Introduction to American Studies
- B. History 252. History of American Thought
- C. One of the following:
  - Economics 215. American Economic History
  - Political Science 254. American Political Thought
  - Political Science 260. American Constitutional Law: Distribution of Power
- D. One of the following:
  - † English 240. American Literature I
  - † English 241. American Literature II
- E. One of the following:
  - † Art 250. American Art
  - Music 250. American Music
- F. Three of the following:
  - One theme or period course in American history;
  - One course with American focus in the School of Social and Behavioral Sciences *or*
  - Chemistry 286. American Science and Technology;
  - One course with American focus in the School of Humanities and Fine Arts;
  - American Studies 297. Directed Research in American Studies
- G. American Studies 290. Seminar in American Studies

#### *Order of Courses*

In planning the sequence in the American Studies program, the student is expected: (a) to enroll in American Studies 200 at the beginning of his Interdepartmental study (and no later than his junior year); (b) to enroll in the required core courses B, C, D and E before pursuing the electives in F; and (c) to enroll in American Studies 290 (and American Studies 297, for those electing it) at the end of his study in the program. Students electing American Studies 297 should enroll in it either concurrently with, or after, American Studies 290.

† Consult course description for prerequisite.

## REQUIREMENTS FOR THE MINOR IN AMERICAN STUDIES

### *Upper Division*

Six courses (24 units) are required.

- A. American Studies 200. Introduction to American Studies
- B. History 252. History of American Thought
- C. One of the following:
  - Economics 215. American Economic History
  - Political Science 254. American Political Thought
  - Political Science 260. American Constitutional Law: Distribution of Power
  - With adviser's consent, one elective course with American focus in the School of Social and Behavioral Sciences
- D. One of the following:
  - † English 240. American Literature I
  - † English 241. American Literature II
- E. One of the following:
  - † Art 250. American Art
  - Music 250. American Music
  - Chemistry 286. American Science and Technology
  - With adviser's consent, an elective course with American focus in the School of Humanities and Fine Arts
- F. American Studies 290. Seminar in American Studies

## COURSE OFFERINGS

### *Upper Division*

- 200. INTRODUCTION TO AMERICAN STUDIES.** Introduction to the concepts, methods and problems of American Studies as an interdisciplinary field.  
Full Course (4)
- 290. SEMINAR IN AMERICAN STUDIES.** An integrative seminar applying the concepts and methods of the various disciplines and of the interdisciplinary field of American Studies to selected problems in American culture. *Prerequisites: Senior standing and consent of instructor and American Studies adviser.*  
Full Course (4)
- 297. DIRECTED RESEARCH IN AMERICAN STUDIES.** Preparation of an original research paper on an American Studies problem selected by the student. *Prerequisites: Senior standing and consent of instructor and American Studies adviser.*  
Full Course (4)

† Consult course description for prerequisites.

## ANTHROPOLOGY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ANTHROPOLOGY

#### *Lower Division*

- Anthropology 110. Cultural Anthropology
- Anthropology 111. Biological Anthropology
- Sociology 120. Elementary Statistical Analysis in Sociology *or*
- Psychology 150. Elementary Statistical Analysis in Psychology

#### *Upper Division*

- A. Required courses:
  - Anthropology 211. Archaeology and Prehistory
  - Anthropology 212. Language and Culture
  - Anthropology 285. Theory in Cultural Anthropology
- B. One course selected from each of the following groups:
  - 1. Anthropology 230. Indians of North America
  - Anthropology 231. Contemporary Mexican American Culture and Its Antecedents
  - Anthropology 232. Cultures of Mexico and the Caribbean
  - Anthropology 233. Ethnology of South America
  - Anthropology 235. Peoples of East Asia
  - Anthropology 238. Peoples of Sub-Saharan Africa
  - 2. Anthropology 210. Psychological Anthropology
  - Anthropology 214. Law and Warfare in Non-Western Cultures
  - Anthropology 215. Magic, Religion and Witchcraft
  - Anthropology 220. Urban Anthropology
  - Anthropology 225. Comparative Peasant Societies
  - Anthropology 240. Social Structure
  - Anthropology 241. Folklore
  - 3. Anthropology 213. Methods and Techniques of Archaeology
  - Anthropology 250. Old World Prehistory
  - Anthropology 251. New World Prehistory
  - 4. Anthropology 260. Human Evolution
  - Anthropology 261. Methods and Techniques in Biological Anthropology
  - Anthropology 262. Primate Social Behavior
- C. Electives chosen to provide a minimum of 36 quarter units in upper division Anthropology. May be selected in consultation with adviser from any of the above groups *or* from:
  - Anthropology 275. Field Studies
  - Anthropology 292. Special Topics in Anthropology
  - Anthropology 298. Independent Study

### REQUIREMENTS FOR THE MINOR IN ANTHROPOLOGY

#### *Lower Division*

- Anthropology 110. Cultural Anthropology
- Anthropology 111. Biological Anthropology

## Anthropology

### *Upper Division*

- A. One of the following courses:
- Anthropology 230. Indians of North America
  - Anthropology 232. Cultures of Mexico and the Caribbean
  - Anthropology 235. Peoples of East Asia
  - Anthropology 238. Peoples of Sub-Saharan Africa
- B. Three additional upper division Anthropology courses. Students in consultation with an adviser may develop a program with concentration in a specific sub-discipline of Anthropology, such as archaeological-biological anthropology, theoretical anthropology or some smaller area.

### COURSE OFFERINGS IN ANTHROPOLOGY

#### *Lower Division*

- 100. BASIC STUDIES ANTHROPOLOGY.** Cultural institutions and processes, with emphasis on tools and methods used by anthropologists to study the functional and historical aspects of human behavior.

Full Course (4)

- 110. CULTURAL ANTHROPOLOGY.** Examination of anthropological approach to study of man. The concept of culture, evolution of cultural systems, application of concept of culture to anthropological problems.

Full Course (4)

- 111. BIOLOGICAL ANTHROPOLOGY.** Human biology in cultural perspective. Fossil evidence for the biological evolution of non-human primates and of man. The genetic mechanisms which bring about these changes. Basis for racial classification. *Three hours of lecture and three hours of laboratory per week.*

Full Course (4)

#### *Upper Division*

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

Full Course (4)

- 211. ARCHAEOLOGY AND PREHISTORY.** Introduction to methods and techniques used by archaeologists in reconstructing past cultures and a review of the major stages of cultural development.

Full Course (4)

- 212. LANGUAGE AND CULTURE.** Analysis of language as an aspect of culture. Relationship between language and culture patterns; dynamics of language and cultural change; the problem of meaning.

Full Course (4)

- 213. METHODS AND TECHNIQUES OF ARCHAEOLOGY.** Consideration of basic procedures and techniques used by archaeologists to excavate, analyze and interpret prehistoric remains. Field trips to museums and excavation sites. *Prerequisite: Anthropology 211 (may be taken concurrently) or equivalent.*

Full Course (4)

214. **LAW AND WARFARE IN NON-WESTERN CULTURES.** Analysis of law and warfare in non-Western cultures; forms of control, institutional violence, resolution of conflict.  
Full Course (4)
215. **MAGIC, RELIGION AND WITCHCRAFT.** A comparative analysis of magico-religious systems in their cultural setting and the role of the supernatural in human societies.  
Full Course (4)
220. **URBAN ANTHROPOLOGY.** Comparative analysis of patterns of urban culture. Evidences of prehistoric urban life. Urban cultural patterns in nonindustrialized societies.  
Full Course (4)
225. **COMPARATIVE PEASANT SOCIETIES.** A comparative analysis of traditional societies with cases drawn from historical and contemporary cultures throughout the world. Aspects of local institutions and politics; political and economic integration with the state; peasant economic and marketing systems; religion, ideology, subcultural variation, and cultural integration.  
Full Course (4)
230. **INDIANS OF NORTH AMERICA.** Native peoples of North America, their origins, cultural patterns. Culture change after European settlement.  
Full Course (4)
231. **CONTEMPORARY MEXICAN AMERICAN CULTURE AND ITS ANTECEDENTS.** Native peoples of Pre-Columbian Mexico and Nueva Hispana. Their origin, cultural patterns, and culture change after Spanish settlement and United States western expansion.  
Full Course (4)
232. **CULTURES OF MEXICO AND THE CARIBBEAN.** An analysis of the contemporary cultures of Middle America, including Mexico and the Caribbean, with emphasis on ethno-historical background and socio-cultural change.  
Full Course (4)
233. **ETHNOLOGY OF SOUTH AMERICA.** A comparative analysis of the native peoples of South America, with special consideration of the effect of cultural contact and socio-cultural change.  
Full Course (4)
235. **PEOPLES OF EAST ASIA.** Investigation of rise of civilization in East Asia; comparative analysis of socio-cultural institutions among the peoples of East Asia.  
Full Course (4)
238. **PEOPLES OF SUB-SAHARAN AFRICA.** Comparative analysis of the cultures of Sub-Saharan Africa; historical, cultural, and ecological backgrounds of the regional ethnic groups.  
Full Course (4)
240. **SOCIAL STRUCTURE.** A comparative analysis of the structure, function, and change in human socio-cultural organization and kinship systems. Consideration of current anthropological theories developed to account for the principles involved in institutional organization.  
Full Course (4)
241. **FOLKLORE.** Theory and method in the study and collection of folktales, myths, legends, proverbs, riddles, and other forms of verbal tradition.  
Full Course (4)

## Anthropology

- 250. OLD WORLD PREHISTORY.** 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. *Prerequisite: Anthropology 211 or equivalent; consent of instructor.*  
Full Course (4)
- 251. NEW WORLD PREHISTORY.** In-depth examination of the archaeological record of the New World (North America, Mesoamerica, and Andean area). Emphasis on critical analysis of excavated materials, processes of culture change, and reconstructions of social patterns. *Prerequisite: Anthropology 211 or equivalent; consent of instructor.*  
Full Course (4)
- 260. HUMAN EVOLUTION.** Detailed review of all pre-human primate and human fossil discoveries and their theoretical implications for understanding human evolution. *Prerequisite: Anthropology 111 recommended.*  
Full Course (4)
- 261. METHODS AND TECHNIQUES IN BIOLOGICAL ANTHROPOLOGY.** An introduction to the identification of skeletal material and the research methods and techniques for analysis of primate and human evolution and genetic information. *One hour of lecture and three hours of laboratory per week. Prerequisite: Anthropology 111.*  
One-Half Course (2)
- 262. PRIMATE SOCIAL BEHAVIOR.** Survey of the social behavior and organization of monkeys and apes and their relevance to the evolution of human behavior and social organization. *Prerequisite: Consent of instructor.*  
Full Course (4)
- 275. FIELD STUDIES.** Field study observation of a selected ethnic population or site, under supervision and with instruction, to acquaint students with techniques of research and reporting. Emphasis on development of skills. Students to complete a research project based on field experience. *One hour of lecture and three hours of activity per week. Prerequisites: Anthropology 110 and 111, or equivalent.*  
One-Half Course (2) \*
- 285. THEORY IN CULTURAL ANTHROPOLOGY.** A historical and critical survey of the main theoretical approaches to the study of the origin and development of culture, of the principal concepts developed within anthropology, and of the important figures who have contributed to the discipline. *Prerequisites: Anthropology 110, 111, 211, and three additional upper division courses in Anthropology, or consent of instructor.*  
Full Course (4)
- 288. ANTHROPOLOGICAL THEORIES OF BEHAVIOR.** A critical analysis in terms of anthropological research and findings of current theories, both cultural and biological, that have been advanced to explain human behavior. NOTE: This course will not count toward the Anthropology major.  
Full Course (4)
- 292. SPECIAL TOPICS IN ANTHROPOLOGY.** An intensive study of an issue, or concept or theory in anthropology that is of special interest to both the faculty member and the students. *Prerequisite: Consent of instructor.*  
Full Course (4)
- 298. INDEPENDENT STUDY.** Independent study of a particular problem under the direction of a member of the anthropology department. *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*

\* Repeatable Course.

*Graduate*

- 440. SEMINAR IN SOCIAL ANTHROPOLOGY.** Selected studies of the theory and research of social anthropology, with specific subject matter varying from quarter to quarter. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

- 442. SEMINAR IN CROSS-CULTURAL STUDIES IN DEVIANT BEHAVIOR.** An examination of deviant behavior in various parts of the world. Consideration of the mechanisms whereby deviance is recognized and controlled in other cultures. Comparative analysis of concepts of deviance. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

## ART

*Art majors will choose between an  
ART HISTORY or a STUDIO ART specialization.*

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ART

With a Specialization in Art History

#### *Lower Division*

- A. Art 101. Introduction to Traditional Western Art
- B. Plus one of the following 3-unit courses:
  - Art 165. Graphics Media
  - Art 170. Art Structure I
  - Art 171. Art Structure II
  - Art 179. Beginning Drawing
  - Art 180. Beginning Painting
  - Art 190. Beginning Sculpture

#### *Upper Division*

Nine (4-unit) courses are required.

- A. Three courses in an Emphasis Area to be selected upon advisement. Emphasis Areas are:
  - 1. Art of Egypt and the Near East, Art of Greece and Rome, and Medieval Art;
  - 2. Medieval Art, Renaissance Art, and Baroque Art;
  - 3. Renaissance Art, Baroque Art, and Nineteenth Century Art;
  - 4. Nineteenth Century Art, Twentieth Century Art, and Art Since 1945;
  - 5. Twentieth Century Art, Art Since 1945, and Modern Architecture;
  - 6. Art of India, Art of China, Art of Japan and Korea;
  - 7. Art of Latin America, Art of California and the Southwest, and Pre-Columbian Art;
  - 8. American Art, Art of California and the Southwest, and Twentieth Century Art;
  - 9. African Art, Pre-Columbian Art, and Oceanic Art.
- B. Four courses in Art History outside of Emphasis Area to be selected upon advisement.
- C. Art 295. Senior Seminar in Theories of Art Criticism
- D. Art 297. Directed Research

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ART

With a Specialization in Studio Art

#### *Lower Division*

Required (3-unit) courses:

- Art 165. Graphics Media
- Art 170. Art Structure I
- Art 171. Art Structure II
- Art 179. Beginning Drawing
- Art 180. Beginning Painting
- Art 190. Beginning Sculpture

**Upper Division**

Eleven (3- and 4-unit) courses are required:

- A. Art 269. Concepts of Art
- B. Three courses in one Art History Emphasis Area
- C. Seven (3-unit) courses from the following lists; *four courses must be from the same list.*

- 1. DRAWING

- Art 271. Intermediate Drawing
- Art 272. Advanced Drawing
- Art 273. Life Drawing I
- Art 274. Life Drawing II
- Art 289. Analysis of Form

- 2. PAINTING

- Art 280. Intermediate Painting
- Art 284. Advanced Painting I
- Art 286. Advanced Painting II
- Art 287. Painting Media
- Art 288. The Human Figure in Painting

- 3. GRAPHICS

- Art 276. Beginning Etching
- Art 277. Intermediate Etching
- Art 278. Advanced Etching
- Art 279. Beginning Lithography
- Art 281. Intermediate Lithography
- Art 282. Advanced Lithography
- Art 283. Silkscreen

- 4. SCULPTURE

- Art 285. Intermediate Sculpture
- Art 290. Advanced Sculpture—Wood
- Art 292. Advanced Sculpture—Metal
- Art 293. Advanced Sculpture—Plastics
- Art 294. Advanced Sculpture—Casting
- Art 296. Advanced Sculpture—Structural Systems

### REQUIREMENTS FOR THE MINOR IN ART HISTORY

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

### REQUIREMENTS FOR THE MINOR IN COMBINED ART HISTORY AND STUDIO ART

- A. Three 200-level courses in Art History. (12 units)
- B. Four studio courses taken as electives at the 200-level. (12 units)
- C. Strongly recommended, if the student has not already had them or their equivalent, are Art 101 and any of the lower division studio art courses.

## COURSE OFFERINGS IN ART

### Lower Division

- 100. BASIC STUDIES ART.** A course presenting a series of steps designed to lead to an art of seeing. Intensive study of the materials, elements, and compositional factors of a limited number of art works to uncover the underlying principles of knowing and discerning the literature of art works in several different media.  
Full Course (4)
- 101. INTRODUCTION TO TRADITIONAL WESTERN ART.** An introduction to the arts of Egypt and Mesopotamia, Greece and Rome, and Medieval, Renaissance, and Baroque Europe. Discussion of concepts of style, style development, iconography, and interrelationships between art and society.  
Full Course (4)
- 110. THE CREATIVE EXPERIENCE.** A workshop exploring a variety of two and three-dimensional materials and processes for non-art majors. *Two hours of lecture and four hours of laboratory per week.*  
Full Course (4)
- 120. FIELD STUDY IN ART.** Guided observation and analysis of visual arts in various media through visits to studios, galleries, museums, and public buildings. *One hour of lecture and three hours in the field per week.*  
One-Half Course (2)
- 165. GRAPHICS MEDIA.** Experiences in the print processes of silkscreen, woodblock, linoleum block, and monoprint.  
Three-Fourths Course (3)
- 170. ART STRUCTURE I.** 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.  
Three-Fourths Course (3)
- 171. ART STRUCTURE II.** Principles of design as they relate to the three-dimensional elements (line, plane, volume) and their composition in space. Introduction to various three-dimensional media.  
Three-Fourths Course (3)
- 175. VISUAL ELEMENTS WORKSHOP.** A foundation course introducing the various elements and principles of design and vision with emphasis on structure, color study, and composition. *Three hours per week plus additional work by arrangement.*  
One-Half Course (2) \*
- 179. BEGINNING DRAWING.** A foundation course in drawing, oriented to the understanding and use of various systems of graphic representation.  
Three-Fourths Course (3)
- 180. BEGINNING PAINTING.** A foundation course introducing the student to problems of pictorial space, organization, and color through the use of two-dimensional painting media. *Prerequisite: Art 179.*  
Three-Fourths Course (3)
- 190. BEGINNING SCULPTURE.** Introduction to the basic principles and materials of sculpture. Various temporary and permanent media.  
Three-Fourths Course (3)

\* Repeatable Course.

*Upper Division*

- 208. ART OF EGYPT AND THE NEAR EAST.** The architecture, sculpture, painting, and minor arts of Egypt and the Near East from the beginnings of civilization to the time of Alexander the Great.  
Full Course (4)
- 210. ART OF GREECE AND ROME.** The architecture, sculpture, painting, and minor arts of ancient Greece and Rome from the 3rd millenium B.C. to ca. 315 A.D.  
Full Course (4)
- 215. MEDIEVAL ART.** The architecture, painting, sculpture, and minor arts of Europe and the Near East from the founding of Constantinople to ca. 1400. *Prerequisite: Art 210 or consent of instructor.*  
Full Course (4)
- 220. RENAISSANCE ART.** The architecture, painting, and sculpture of Western Europe in the fifteenth and sixteenth centuries. *Prerequisite: Art 215 or consent of instructor.*  
Full Course (4)
- 225. BAROQUE ART.** The architecture, painting, and sculpture of Western Europe in the seventeenth and eighteenth centuries. *Prerequisite: Art 220 or consent of instructor.*  
Full Course (4)
- 230. NINETEENTH CENTURY ART.** The architecture, painting, and sculpture of Europe in the nineteenth century. *Prerequisite: Art 225 or consent of instructor.*  
Full Course (4)
- 231. TWENTIETH CENTURY ART.** The architecture, painting, and sculpture of Europe and the United States in the Twentieth Century. *Prerequisite: Art 230 or consent of instructor.*  
Full Course (4)
- 232. MODERN ARCHITECTURE.** History of the technological and stylistic developments in the architecture of the nineteenth and twentieth centuries. *Prerequisite: Art 225 or consent of instructor.*  
Full course (4)
- 233. ART SINCE 1945.** Painting, sculpture, prints, and architecture since 1945. *Prerequisites: Art 231 and Art 270.*  
Full Course (4)
- 234. ASIAN ARTS I: ART OF INDIA.** Development of the visual arts in India from the earliest times to the modern era.  
Full Course (4)
- 235. ASIAN ARTS II: ART OF CHINA.** A study of the visual arts of China.  
Full Course (4)
- 236. ASIAN ARTS III: ART OF JAPAN AND KOREA.** A study of the visual arts of Japan and Korea. (Art 234, 235 and 236 may be taken separately and in any order.)  
Full Course (4)
- 250. AMERICAN ART.** A study of the ways in which American artists, architects, and designers have reacted to, been influenced by, and initiated important world trends in the arts. *Prerequisite: Art 100 or equivalent.*  
Full Course (4)

## Art

- 253. ART OF CALIFORNIA AND THE SOUTHWEST.** The art and architecture of California, Arizona, New Mexico, Texas and contiguous areas from prehistoric to more recent times. Emphasis on the nature of regional variations related to broader art historical movements.  
Full Course (4)
- 254. AFRO-AMERICAN ART.** A study of selected works in Afro-American culture including an examination of African and other influences.  
Full Course (4)
- 255. HISTORY OF URBAN AESTHETICS.** Explores the aesthetic problems of design within the framework of the development of urbanization.  
Full Course (4)
- 260. LATIN AMERICAN ART.** The architecture, painting, and sculpture of the various Latin American nations from the conquest to present times.  
Full Course (4)
- 262. PRE-COLUMBIAN ART.** The architecture, sculpture, painting, and minor arts of the pre-Columbian cultures of the Western Hemisphere with emphasis on Mexico and Peru.  
Full Course (4)
- 265. ART OF BLACK AFRICA.** A study of the civilization and culture of Black Africa through the examination of architecture, painting, sculpture and related arts.  
Full Course (4)
- 268. ART OF OCEANIA.** A study of selected works of architecture, sculpture, painting and related arts from Australia, Indonesia, Melanesia, Micronesia, and Polynesia.  
Full Course (4)
- 269. CONCEPTS OF ART.** Exploration of ideas prevalent in traditional and contemporary art by means of student art projects. Emphasis on realization of idea in form and medium. Discussion and slides of various artists and movements. *Principally for art majors; others by consent of instructor.*  
Three-Fourths Course (3)
- 270. TWENTIETH CENTURY ARTISTS: THEIR WRITINGS AND THEIR ART.** An examination of some of the outstanding art and documents by or concerning twentieth century artists to understand the art of this period and to locate both similarities and differences between their "20th-century-ness" and their relationship to tradition. *Prerequisite: Art 100 or equivalent or consent of instructor.*  
Full Course (4)
- 271. INTERMEDIATE DRAWING.** Development of skill in graphic representation, stressing an understanding of pictorial space and organization. Problems of technique and media. *Prerequisite: Art 179 or equivalent.*  
Three-Fourths Course (3)
- 272. ADVANCED DRAWING.** Advanced studies in graphic representation, with special emphasis on aesthetic development, experimentation, and individual problem-solving. *Prerequisite: Art 179 and 271.*  
Three-Fourths Course (3) \*
- 273. LIFE DRAWING I.** Development of the graphic representation of the human form. Live models used to introduce problems of form, structure, and anatomy. *Prerequisite: Art 179 or equivalent.*  
Three-Fourths Course (3)

\* Repeatable Course.

- 274. LIFE DRAWING II.** An advanced course in the graphic study of the human figure. Emphasis upon the creative interpretation of form and structure through media. *Prerequisite:* Art 273.  
Three-Fourths Course (3)
- 275. ENVIRONMENTAL DESIGN.** Problems of design in relation to the urban environment from a functional and aesthetic point of view. *Two hours of lecture, three hours of studio work plus field work by arrangement. Prerequisite:* Art 175 or equivalent.  
Full Course (4)
- 276. BEGINNING ETCHING.** A foundation course in intaglio printmaking, introducing the processes of aquatint, soft ground, and hard ground etching.  
Three-Fourths Course (3)
- 277. INTERMEDIATE ETCHING.** A continuation of basic intaglio techniques and an introduction to color printmaking. *Prerequisite:* Art 276.  
Three-Fourths Course (3)
- 278. ADVANCED ETCHING.** Special projects in selected aspects of intaglio printmaking. *Prerequisite:* Art 277.  
Three-Fourths Course (3) \*
- 279. BEGINNING LITHOGRAPHY.** An introduction to the basic techniques of lithographic printmaking processes. *Prerequisite:* Art 179 or equivalent.  
Three-Fourths Course (3)
- 280. INTERMEDIATE PAINTING.** Problems in the creative use of the materials of painting. Emphasis on visual concepts, interpretation, and expression. *Prerequisite:* Art 170 and 180.  
Three-Fourths Course (3)
- 281. INTERMEDIATE LITHOGRAPHY.** A continuation of basic techniques in lithography and an introduction to color printmaking. *Prerequisite:* Art 279.  
Three-Fourths Course (3)
- 282. ADVANCED LITHOGRAPHY.** Special projects in selected aspects of lithographic printmaking. *Prerequisite:* Art 281.  
Three-Fourths Course (3) \*
- 283. SILKSCREEN.** An introduction to basic stencil printmaking processes. *Prerequisite:* Art 170.  
Three-Fourths Course (3) \*
- 284. ADVANCED PAINTING I.** Development of a more comprehensive understanding of materials and methods as they relate to current concepts of painting. Problems of color field, shaped canvas, and geometric abstraction. *Prerequisite:* Art 280.  
Three-Fourth Course (3)
- 285. INTERMEDIATE SCULPTURE.** Continued study of principles and materials of sculpture. Various temporary and permanent media. *Prerequisite:* Art 171 and 190.  
Three-Fourths Course (3)
- 286. ADVANCED PAINTING II.** Advanced study emphasizing aesthetic development, personal imagery, and individual critical awareness. Self-initiated studio problems. *Prerequisite:* Art 284.  
Three-Fourths Course (3) \*

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\* Repeatable Course.

## Art

- 287. PAINTING MEDIA.** A study of the traditional and contemporary methods and materials. Development of an understanding and appreciation of the technical problems common to the media of the painter.

Three-Fourths Course (3)

- 288. THE HUMAN FIGURE IN PAINTING.** Study of the structural and symbolic implications of the human form in terms of painting techniques and styles. Problems emphasizing the development of personal expression. *Prerequisite: Art 180 and 273.*

Three-Fourths Course (3)

- 289. ANALYSIS OF FORM.** Problems in draftsmanship emphasizing objective transcription through an analysis of the structural principles of natural and man-made forms. *Prerequisite: Art 179.*

Three-Fourths Course (3)

- 290. ADVANCED SCULPTURE—WOOD.** Instruction in woodworking techniques applied to solution of student individual projects. Possible topics include wood carving, tool forming, laminating, assembling. *Prerequisite: Art 285.*

Three-Fourths Course (3) \*

- 291. SPECIAL STUDIES IN ART.** Detailed study of a period, area, figure, or movement in the history of art.

Full Course (4) \*

- 292. ADVANCED SCULPTURE—METAL.** Instruction in metalworking techniques applied to solution of student individual projects. Possible topics include soldering, brazing, welding, and sheet metal fabrication. *Prerequisite: Art 285.*

Three-Fourths Course (3) \*

- 293. ADVANCED SCULPTURE—PLASTICS.** Instruction in plastic-forming techniques applied to solution of student individual projects. Possible topics include sheet plastic fabrication, thermoforming, and resin casting. *Prerequisite: Art 285.*

Three-Fourths Course (3) \*

- 294. ADVANCED SCULPTURE—CASTING.** Instruction in sculptural casting techniques. Possible topics include sand casting, waste molds, displacement molds, lost wax process. Variety of casting materials. *Prerequisite: Art 285.*

Three-Fourths Course (3) \*

- 295. SEMINAR IN THEORIES OF ART CRITICISM.** Various approaches to art criticism throughout the centuries with particular emphasis on contemporary problems of criticism. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

- 296. ADVANCED SCULPTURE—STRUCTURAL SYSTEMS.** Examination of contemporary systems used to define large volumes of mass or space. Exploration of small and full-scale studies. Individual and group projects. *Prerequisite: Art 285.*

Three-Fourths Course (3) \*

- 297. DIRECTED RESEARCH.** Preparation of a research paper on a selected topic. *Prerequisite: Senior standing and consent of department head.*

Full Course (4)

- 298. INDEPENDENT STUDY.** *Prerequisite: Senior standing and consent of the department head.*

Full Course (4)

\* Repeatable Course.

## BEHAVIORAL SCIENCES

### An Undergraduate Interdepartmental Field of Concentration and a Graduate Degree Program

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

### B.A. DEGREE REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN BEHAVIORAL SCIENCES

#### *Prerequisite*

One course in elementary statistics selected from the following:

- † Mathematics 150. Elementary Statistics and Probability
- Psychology 150. Elementary Statistical Analysis in Psychology
- Sociology 120. Elementary Statistical Analysis in Sociology

#### *Upper Division*

Anthropology, Psychology, Sociology, Political Science, and Biological Science majors must replace the course(s) offered by the department in which the student is majoring. Political Science majors must replace the required Political Science course of category C with any course in categories B, D, or E. Biological Science majors must replace the required Biological Science course of category D with any course in categories B, C, or E. Anthropology, Psychology, or Sociology majors must replace the two courses (one in category A, and one in category B) offered by their major department with two replacement courses selected from categories B, C, D, or E, with no more than one of these in a single discipline and no more than one from category E.

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

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

† Consult course description for prerequisites.

## Behavioral Sciences

- B. Three additional courses, one in each of the three core areas of the behavioral sciences, selected from the following:

Anthropology 210. Psychological Anthropology  
Anthropology 214. Law and Warfare in Non-Western Cultures  
Anthropology 240. Social Structure  
Anthropology 241. Folklore  
† Anthropology 262. Primate Social Behavior  
Psychology 212. Theories of Learning  
Psychology 240. Social Psychology: Psychological Perspective  
Psychology 250. Developmental Psychology  
Psychology 260. Theories of Personality  
Psychology 263. The Abnormal Personality  
Sociology 214. Formal Organizations  
Sociology 240. Social Psychology: Sociological Perspective  
Sociology 252. Sociology of Conversation  
Sociology 254. Sociology of Knowledge  
Sociology 265. Deviant Behavior

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

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

- D. One course relating biology and human behavior:

† Biological Science 270. Biological Bases of Human Behavior

- E. The following courses, which also approach human behavior in a systematic fashion, are *not required* courses. But a student majoring in Anthropology, Biological Science, Political Science, Psychology, and Sociology may select one of these courses to replace a required course which falls within the student's departmental major:

Economics 285. Economic Policy and Social Values

† English 219. Psycholinguistics  
Geography 252. Environmental Perception  
Philosophy 216. Evolutionary Ethics  
Philosophy 230. The Nature of Scientific and Humanistic Inquiry

- F. The senior seminar in this field.

## REQUIREMENTS FOR THE MINOR IN BEHAVIORAL SCIENCES

### *Upper Division*

- A total of six courses, distributed as follows, are required.

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

† Consult course description for prerequisites.

- Anthropology 210. Psychological Anthropology
- Anthropology 214. Law and Warfare in Non-Western Cultures
- Anthropology 240. Social Structure
- Anthropology 241. Folklore
- † Anthropology 262. Primate Social Behavior
- Anthropology 288. Anthropological Theories of Behavior
- Psychology 205. History and Systems of Psychology
- Psychology 212. Theories of Learning
- Psychology 240. Social Psychology: Psychological Perspective
- Psychology 250. Developmental Psychology
- Psychology 260. Theories of Personality
- Psychology 263. The Abnormal Personality
- Sociology 214. Formal Organizations
- Sociology 240. Social Psychology: Sociological Perspective
- Sociology 252. Sociology of Conversation
- Sociology 254. Sociology of Knowledge
- Sociology 255. Modern Sociological Theories
- Sociology 265. Deviant Behavior
- B. One course relating to political behavior, selected from the following:
  - Political Science 236. Theories of International Relations
  - Political Science 270. Public Opinion and Propaganda
  - Political Science 271. Conflict and Violence
  - Political Science 273. Psychology and Politics
- C. The senior seminar in this field.

#### REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN BEHAVIORAL SCIENCES

The program leading to the MA degree is conceived as a full-year, or four-quarter, sequence. The program should be of value to personnel specialists in business, industry, or public agencies; school and college administrators; administrators of community action programs; general classroom teachers; applied researchers; Ph.D. candidates in behavioral sciences and education.

The primary goal of the graduate program is to provide professional training for persons concerned with the design and evaluation of programs in all human contact areas. Graduates have found managerial and research assignments with private research organizations, governmental bureaus and community agencies.

Students enter the program with a conditional classification status and must participate in an initial interview with the Chairperson of the Behavioral Science Graduate Program before registration can be approved.

Completion of the degree requires the following:

1. Satisfactory completion of two upper division theory and two upper division methods courses, which must be selected with an adviser's approval, in at least two of the three generic disciplines: psychology, sociology, and anthropology.
2. Written examinations in: (a) theory and (b) research methods in the Behavioral Sciences. Completion of the examinations is a prerequisite for Advancement to Candidacy and the submission of a formal thesis proposal.

## Behavioral Sciences

3. A thesis (up to 9 units may be earned).
4. A minimum of 45 units in courses (including thesis), at least 27 of which are elected from the following graduate listings.

A specialization in Sociology is being added as an option in the program for the Master's Degree in Behavioral Sciences. Consult an adviser for further information.

### COURSE OFFERINGS IN BEHAVIORAL SCIENCES

#### *Upper Division*

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

Full Course (4)

#### *Graduate*

*An understanding of statistics and research methods, Graduate standing, and consent of instructor are prerequisite to enrollment in the following courses:*

**400. INTRODUCTION TO GRADUATE STUDIES IN THE BEHAVIORAL SCIENCES.** Consideration of the scope of the M.A. program in Behavioral Sciences. Culminates in planning of individual student programs. *Required as a first course for all students seeking the degree.*

One-Half Course (2)

**410. SEMINAR IN THEORY.** Discussion of the origin, development, and usefulness of theory in general, followed by a critical examination of specific theories from various fields investigating all aspects of behavior (anthropology, biology, psychology, etc.) and a determination of their value in leading to understanding of human beings as individuals and in social relations.

Full Course (4)

**412. COMPUTER APPLICATIONS IN BEHAVIORAL SCIENCE.** Past and present applications of computers in social science data processing, statistical analysis, laboratory research, field studies, simulation, model building and theory construction. The computer as teacher or tutor. Computing vs. thinking. Programs as theories.

Full Course (4)

**414. SEMINAR IN RESEARCH METHODS.** Consideration of various types of research methods in the Behavioral Sciences with reading and evaluation of selected published research reports. Demonstration of skill in selecting appropriate statistical procedures and interpreting results. Development of a brief research proposal, including definition of problem and description of procedures.

Full Course (4)

**416. STUDIES IN RESEARCH LITERATURE.** Critique of selected major research studies in the student's special interest field.

Full Course (4)

**420. CRITIQUE OF PROGRAMS AND PRACTICES.** Critical evaluation of operational programs and practices, with reference to the student's special interest field, as described in the literature and as studied in special field assignments. Development and analysis of evaluation criteria.

Full Course (4)

- 422. THE DESIGN OF SOCIAL SYSTEMS.** A cross-disciplinary examination of the design of small scale social systems; their structure, functions, limitations and the problems of control and coordination.

Full Course (4)

- 430. STUDIES IN HUMAN COMMUNICATION.** Reading and discussions concerning verbal and nonverbal communication. Critical reviewing of the theories of Miller, Skinner, Shorf, Chomsky, and others. Discussion of psycholinguistics and the mechanisms whereby language influences and is influenced by individuals and societies. *Three hours of discussion; research projects by arrangement.*

Full Course (4)

- 434. SEMINAR IN BEHAVIORAL CONTROL.** A cross-disciplinary examination of the techniques and procedures of human behavioral control including literature in behavior modification, brain stimulation, genetic engineering, drugs, advertising, environmental design, brainwashing, hypnosis, interpersonal and group influences.

Full Course (4)

- 440. SEMINAR IN APPLIED BEHAVIORAL SCIENCES.** Selected applications of the behavioral sciences to the schools, military, business, industry, and other institutions. Observations, field experiences, readings and discussion related to topics such as leadership, industrial engineering, human factors, personnel selection and classification, social work and employment counseling, industrial sociology, and industrial anthropology. *Three hours of discussion, field work and observation by arrangement.*

Full Course (4)

- 497. DIRECTED RESEARCH.** Research in any area of Behavioral Science such as psychological, social, neurophysiological, or biochemical problems. Choice of area with consent of adviser. *May be repeated for a total of 8 units.*

One-Half Course (2) \* or Full Course (4) \*

- 498. DIRECTED READING.** In consultation with a faculty member, assignment of a list of readings which may be used as background information for preparation for examinations or for orientation in a little known area. Or, reading in an area of special interest which may serve as an introduction to a future research proposal. *May be repeated for a total of 8 units.*

One-Half Course (2) \* or Full Course (4) \*

- 499. THESIS.** A thesis or special project.  
(2-9 units)

**Anthropology 440. SEMINAR IN SOCIAL ANTHROPOLOGY.** See Anthropology Course Offerings.

**Anthropology 442. SEMINAR IN CROSS-CULTURAL STUDIES IN DEVIANT BEHAVIOR.** See Anthropology Course Offerings.

**Biological Science 412. SEMINAR IN BIOLOGICAL BASES OF BEHAVIOR.** See Biological Science Course Offerings.

**Political Science 410. STUDIES IN POLITICAL BEHAVIOR.** See Political Science Course Offerings.

**Psychology 410. SEMINAR IN LEARNING.** See Psychology Course Offerings.

**Psychology 431. INDIVIDUAL TESTING.** See Psychology Course Offerings.

**Psychology 440. SEMINAR IN SOCIAL PSYCHOLOGY.** See Psychology Course Offerings.

**Psychology 450. SEMINAR IN DEVELOPMENTAL PSYCHOLOGY.** See Psychology Course Offerings.

\* Repeatable Course.

## Behavioral Sciences

**Psychology 460. SEMINAR IN PERSONALITY.** See Psychology Course Offerings.

**Psychology 467. INDIVIDUAL ASSESSMENT** See Psychology Course Offerings.

**Psychology 483. SEMINAR IN THE BLACK EXPERIENCE.** See Psychology Course Offerings.

**Sociology 411. SEMINAR IN SOCIAL ORGANIZATIONS AND INSTITUTIONS.** See Sociology Course Offerings.

**Sociology 450. SEMINAR IN INTERACTION PROCESSES.** See Sociology Course Offerings.

## BIOLOGICAL SCIENCE

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN BIOLOGICAL SCIENCE

#### *Lower Division*

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

Biological Science 110-112-114. Principles of Biology  
Chemistry 110-112-114. General and Quantitative Chemistry  
Physics 120-122. Elements of Physics  
Physics 110-112 or 110-114. General Physics  
Mathematics 110-112. Differential and Integral Calculus I and II

#### *Upper Division*

Biological Science 210-212. Organism Biology I and II  
Biological Science 214. Developmental Biology  
Biological Science 220. Cell Biology  
Biological Science 232. Ecology  
Biological Science 240. Genetics  
Biological Science 294. Senior Seminar in Biology (One-Fourth Course)  
Chemistry 216-217. Introductory Organic Chemistry *or*  
Chemistry 210. Organic Chemistry I

Two full courses selected from:

Biological Science 222. Microanatomy of Cells and Tissues  
Biological Science 224. Microbiology  
Biological Science 226. Immunology and Serology  
Biological Science 230. Population Biology  
Biological Science 250. Plant Physiology  
Biological Science 252. Animal Physiology  
Biological Science 258. Parasitology  
Biological Science 262. Marine Ecology  
Biological Science 281. Laboratory in Selected Topics in Biology  
Biological Science 295. Selected Topics in Biology  
Biological Science 297. Directed Research  
Chemistry 250. Biochemistry I

### REQUIREMENTS FOR THE MINOR IN BIOLOGICAL SCIENCE—OPTION I

*(Option I is for students either majoring in the natural sciences or with a strong science background.)*

#### *Prerequisites*

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

Biological Science 110-112-114. Principles of Biology  
Chemistry 110-112-114. General and Quantitative Chemistry

## Biological Science

### Required Courses

- Biological Science 210–212. Organism Biology I and II
- Biological Science 214. Developmental Biology
- Biological Science 232. Ecology
- Biological Science 240. Genetics

One full course selected from the following:

- † Biological Science 220. Cell Biology
- † Biological Science 222. Microanatomy of Cells and Tissues
- Biological Science 230. Population Biology
- Biological Science 258. Parasitology
- Biological Science 262. Marine Ecology
- Biological Science 295. Selected Topics in Biology
- † Chemistry 250. Biochemistry I

### REQUIREMENTS FOR THE MINOR IN BIOLOGICAL SCIENCE—OPTION II

(Option II is for students majoring in areas other than the natural sciences.)

### Prerequisites

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

- Biological Science 102. General Biology
- Chemistry 102. Basic Chemistry

### Required Courses

- Biological Science 120. Fundamentals of Microbiology  
*This course may not be used to meet General Education requirements by students choosing this minor.*
- Biological Science 236. Environmental Biology
- Biological Science 246. Human Heredity
- Biological Science 256. Human Anatomy and Physiology
- Biological Science 257. Human Anatomy and Physiology Laboratory
- Biological Science 270. Biological Bases of Human Behavior

## COURSE OFFERINGS IN BIOLOGICAL SCIENCE

### Lower Division

- 102. GENERAL BIOLOGY.** Representative topics in modern biology, emphasizing the present state of knowledge and the major means whereby this knowledge is being expanded. *Three hours of lecture and three hours of laboratory per week.*

Full Course (4)

- 110. PRINCIPLES OF BIOLOGY.** A broad introduction to biological substances and systems on the molecular, cellular, organism and population levels; structures of plants and animals. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 112.*

Full Course (4)

- 112. PRINCIPLES OF BIOLOGY.** A continuation of Biological Science 110. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 110 and Chemistry 114.*

Full Course (4)

† Consult course descriptions for prerequisites.

**114. PRINCIPLES OF BIOLOGY.** A continuation of Biological Science 112. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 112.*  
Full Course (4)

**120. FUNDAMENTALS OF MICROBIOLOGY.** General knowledge of microbiology for paramedical students: morphology, physiology, control of microorganisms. Microbiological laboratory techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 110; or Biological Science 102 and one course in general chemistry. Not open to students with credit in Biological Science 224.*  
Full Course (4)

**150. ELEMENTS OF HUMAN ANATOMY AND PHYSIOLOGY.** Basic principles of anatomical structure and physiological processes of human organ systems. *Designed for paramedical students. Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 102 or equivalent.*  
Full Course (4)

### Upper Division

**210. ORGANISM BIOLOGY I.** The relationship between structure and function of multicellular organisms. Topics include nutrient acquisition and processing, gas exchange, internal transport and body fluid regulation. The laboratory includes gross and microscopic anatomical studies and student designed experiments. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 114.*  
Full Course (4)

**212. ORGANISM BIOLOGY II.** Chemical and nervous control mechanisms, periodicity and rhythms, locomotion and behavior. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 210.*  
Full Course (4)

**214. DEVELOPMENTAL BIOLOGY.** Development of plants and animals, including gametogenesis, fertilization, morphogenesis and cell differentiation. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 212 or consent of instructor.*  
Full Course (4)

**220. CELL BIOLOGY.** Basic biological problems at the cellular level. Chemical composition of cells, metabolism, synthesis and membrane phenomena. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 114 and Chemistry 210 or 217.*  
Full Course (4)

**222. MICROANATOMY OF CELLS AND TISSUES.** Structure and organization of cells during division, growth and development and their integration into tissues. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 114 and Chemistry 210 or 217.*  
Full Course (4)

**224. MICROBIOLOGY.** The morphology, physiology, genetics and development of microorganisms. Basic bacteriological techniques included in the laboratory. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 220, or Biological Science 114 and Chemistry 250.*  
Full Course (4)

**226. IMMUNOLOGY AND SEROLOGY.** Principles of immunity and serology. Emphasis on the cellular and molecular nature of the immune process, the nature of antibodies and antigens, the principles of hematology and uses of serologic methods for the evaluation of the immune response. Immunohematology, immunology of neoplastic tissue, hypersensitivity. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 120 or 224; and Chemistry 210 or 217.*

Full Course (4)

**227. CLINICAL MYCOLOGY.** Comparative morphology, physiology and pathogenicity of medically important fungi. Laboratory methods for identification emphasize interpretation and evaluation of results. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 224.*

Full Course (4)

**228. VIROLOGY.** The anatomy, biochemistry, physiology and pathology of bacterial and animal viruses emphasizing virus diseases of man. Laboratory methods include culturing, identification, and measurements of virus cell interactions. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 224.*

Full Course (4)

**230. POPULATION BIOLOGY.** Structure and organization of populations; principles of population growth and density control; genetics and evolutions of populations; traffic of materials and energy between populations; environmental factors affecting populations. *Three hours of lecture and three hours of laboratory and field work per week. Prerequisite: Biological Science 114.*

Full Course (4)

**232. ECOLOGY.** Distribution of plants and animals with reference to environmental factors and adaptation to special habitats. *Three hours of lecture and three hours of laboratory and field work per week. Prerequisite: Biological Science 114.*

Full Course (4)

**236. ENVIRONMENTAL BIOLOGY.** Principles of ecology and contemporary ecological problems, with emphasis on man and his environment. *Designed for non-Biological Science majors. Three hours of lecture and three hours of laboratory per week. One-day weekend field trips replace several laboratory sessions. Field projects may be substituted for trips upon consent of instructor. Prerequisite: Biological Science 102 or equivalent.*

Full Course (4)

**240. GENETICS.** Principles of heredity; the action of genes on the molecular and organismic levels; variations and mutations. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 114.*

Full Course (4)

**246. HUMAN HEREDITY.** Introduction to human genetics, including human reproduction, Mendelian inheritance, chemical basis of gene action, mutation and eugenics. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 102 or equivalent. Not open for credit to Biological Science majors or to students with credit in Biological Science 240.*

Full Course (4)

**250. PLANT PHYSIOLOGY.** A study of plant relations to water and solutes, plant nutrition, photosynthesis and plant metabolism. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 212 and 220.*

Full Course (4)

**252. ANIMAL PHYSIOLOGY.** A study of the digestive, circulatory and respiratory systems, and of the role of muscular, sensory, nervous and endocrine systems in animal organisms. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Biological Science 212 and 220.*

Full Course (4)

**256. HUMAN ANATOMY AND PHYSIOLOGY.** Anatomical structure and the biological processes occurring in the organ systems of man. Designed for nonbiological science majors. *Prerequisite: Biological Science 102. Not open for credit to Biological Science majors.*

Full Course (4)

**257. HUMAN ANATOMY AND PHYSIOLOGY LABORATORY.** Laboratory work and demonstrations in the anatomical structure and processes occurring in man. *Six hours of laboratory per week. Prerequisite: Biological Science 256 or concurrent enrollment.*

One-Half Course (2)

**258. PARASITOLOGY.** Physiological aspects of parasites in man and domestic animals, their symbiotic host and parasite relationships and clinical diagnostic techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 114.*

Full Course (4)

**260. GENERAL OCEANOGRAPHY: BIOLOGICAL.** Introduction to the plants and animals of the ocean. Their adaptations to and effects on the environment. Biological factors of the marine environment. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 102 or equivalent and Chemistry 270.*

Full Course (4)

**262. MARINE ECOLOGY.** The interrelationship between marine organisms and their environment; emphasis on productivity, population dynamics, community structure. The organisms which make up the pelagic and benthic realms. *Three hours of lecture and three hours of laboratory per week. Field work required. Prerequisite: Biological Science 230, or 232, or 260.*

Full Course (4)

**264. PALEONTOLOGY.** A study of the life of past geological periods on the basis of fossil remains of plants and animals; the significance of such study in understanding natural science today. *Three hours of lecture and three hours of laboratory per week, with field work assignments. Prerequisite: Biological Science 102 or equivalent.*

Full Course (4)

**270. BIOLOGICAL BASES OF HUMAN BEHAVIOR.** 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.

Full Course (4)

**294. SENIOR SEMINAR IN BIOLOGY.** Intensive use of current biological literature and bibliographies. *One hour of presentation and discussion per week. Prerequisite: Senior standing and Biological Science major.*

One-Fourth Course (1)

**295. SELECTED TOPICS IN BIOLOGY.** Advanced course which may include laboratory exercises. *Prerequisite: Consent of instructor.*

One-Half Course (2)\* or Full Course (4)\*

**297. DIRECTED RESEARCH.** Advanced laboratory work, with each student undertaking an independent and original investigation. *Six or twelve hours of laboratory per week. Prerequisite: Upper division standing and consent of instructor.*

One-Half Course (2)\* or Full Course (4)\*

\* Repeatable Course.

## Biological Science

### Graduate

**412. SEMINAR IN BIOLOGICAL BASES OF BEHAVIOR.** Review and discussion of current literature on topics related to behavior: Genic control of cellular metabolism, hormonal regulation, structure and function of the nervous system and integrative mechanisms of the brain. *Prerequisite: Biological Science 102 or equivalent; Graduate standing and consent of instructor.*

Full Course (4)

## BUSINESS ADMINISTRATION

### Undergraduate and Graduate Degree Programs

The undergraduate degree program in Business Administration, which leads to a Bachelor of Science degree, is designed to prepare students for professional careers in commerce, finance and industry, as well as for management positions in the public and non-profit sectors. A total of 84 quarter units is required in Business Administration for the bachelor's degree. The program is divided into three segments: lower division, upper division core courses, and a Concentration in Accounting or General Business.

#### *Cooperative Education*

Students majoring in Business Administration may participate in a Cooperative Education program which supplements the on-campus learning experience with career-related employment in a business or public enterprise. A maximum of 16-quarter units of elective course credit may be earned. Eight quarter units in Cooperative Education may be transferred from a two-year college; these units will apply to the total of 16-quarter units allowed by this college.

### REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN BUSINESS ADMINISTRATION

#### *Lower Division*

##### Required Courses:

- Business Administration 102. Legal Aspects of Business Transactions
- Business Administration 130. Essentials of Accounting
- Business Administration 170. Introduction to Computers and Data Processing
- Economics 110-111. Economic Theory IA, IB
- Mathematics 102. Mathematical Analysis for Business

#### *Upper Division*

##### A. Required Courses (40 quarter units)

- Business Administration 210. Management and Organizational Behavior
- Business Administration 220-221. Quantitative Analysis I, II
- Business Administration 230. Accounting for Planning and Control
- Business Administration 250. Elements of Marketing
- Business Administration 260. Business Finance
- Business Administration 270. COBOL Programming
- Business Administration 280. Economics of the Firm
- Business Administration 290. Management Policy
- Economics 211. Intermediate Macro-Economic Theory *or*
- Economics 222. Money and Banking

## Business Administration

### B. Concentration (20 quarter units)

In addition to the above, each student must select a Concentration in either Accounting or General Business.

#### 1. Concentration in Accounting

Business Administration 231-232. Intermediate Accounting I, II

Business Administration 233. Advanced Accounting and Theory Problems

Business Administration 234. Income Tax Accounting

Business Administration 235. Auditing, Systems, and Non-Profit Accounting

#### 2. Concentration in General Business

Students choosing this Concentration must take three of the courses listed below plus any two other courses in Business Administration:

Business Administration 211. Production Management

Business Administration 212. Small Business Management

Business Administration 213. Personnel Management

Business Administration 262. Elements of Real Estate

Business Administration 264. Elements of Risk and Insurance

## GRADUATE PROGRAM

The Master of Business Administration program is designed to meet the professional needs of two groups: recent college graduates who plan careers in business, and those persons already employed who desire to extend their business understanding and potential.

### REQUIREMENTS FOR THE MASTER OF BUSINESS ADMINISTRATION DEGREE

A. The curriculum leading to the M.B.A. is constructed around a common core designed to provide all students with a broad understanding of the business system. The core (11 courses) covers five areas:

#### 1. SOCIAL SETTING OF BUSINESS

Business Administration 401. The Corporation and Its Social Setting

Business Administration 404. Law and the Economy

#### 2. MANAGING THE ENTERPRISE

Business Administration 410. Management Theory

Business Administration 411. Organizational Theory and Behavior

#### 3. QUANTITATIVE TECHNIQUES IN BUSINESS

Business Administration 420. Quantitative Methods in Business

Business Administration 424. Business Conditions Analysis

Business Administration 430. Managerial Accounting

#### 4. FUNCTIONAL AREAS OF MANAGEMENT

Business Administration 440. Production Management

Business Administration 450. Marketing Management

Business Administration 460. Corporate Finance

#### 5. INTEGRATIVE SEMINAR

Business Administration 490. Seminar in Business Policy

- B. In addition to the core, each student will take three elective courses from the following:
- Business Administration 415. Seminar in Multinational Business
  - Business Administration 426. Seminar in Business and Economic Forecasting
  - Business Administration 435-436. Seminars in the Business Applications of Data Processing I-II
  - Business Administration 445. Seminar in Industrial Relations
  - Business Administration 462-463. Seminars in Finance I-II
  - Business Administration 480. Business Internship
  - Business Administration 485-486. Seminars in Management I-II

In addition to course requirements, completion of the degree requires passage of a two-part comprehensive examination:

1. Part A to be taken upon completion of the quantitative sequence of the core;
2. Part B, covering the organizational and problem-solving aspects of management and the elective areas, to be taken in the final quarter of coursework.

### *Admission to the Program*

All applicants to the M.B.A. program must submit a completed application for admission to graduate standing at the California State College, Dominguez Hills, and transcripts of all previous college-level work in accordance with the procedures outlined in the Admission section of this catalog.

To be admitted to classified standing in the M.B.A. program, an applicant must:

1. Score a minimum of 400 on the Admission Test for Graduate Study in Business given by the Educational Testing Service;
2. Have achieved a minimum 2.5 grade point average in upper division undergraduate work.

A personal interview and letters of recommendation may be required of individual applicants.

## COURSE OFFERINGS IN BUSINESS ADMINISTRATION

### *Lower Division*

- 102. LEGAL ASPECTS OF BUSINESS TRANSACTIONS.** Analysis of the legal process; functions and operations within a federal system; contracts, sales, agency.

Full Course (4)

- 130. ESSENTIALS OF ACCOUNTING.** Preparation and use of accounting records; the accounting process; cases and problems.

Full Course (4)

- 170. INTRODUCTION TO COMPUTERS AND DATA PROCESSING.** Introduction to computer systems with emphasis on the impact of computers and their use; elements of programming.

Full Course (4)

### *Upper Division*

- 210. MANAGEMENT AND ORGANIZATIONAL BEHAVIOR.** Integration of classical and behavioral approaches to management with emphasis upon human relations, informal organization, and motivation.

Full Course (4)

## Business Administration

- 211. PRODUCTION MANAGEMENT.** Analysis of the management function in the production area; methods used in planning, organizing, and controlling production. *Prerequisite: Business Administration 210 and Business Administration 221.*  
Full Course (4)
- 212. SMALL BUSINESS MANAGEMENT.** Role of small business in the American economy; establishing, financing and operating independent businesses. *Prerequisite: Business Administration 210.*  
Full Course (4)
- 213. PERSONNEL MANAGEMENT.** Principles and practices with emphasis upon selection, training, evaluation and motivation of employees; labor-management relations. *Prerequisite: Business Administration 210.*  
Full Course (4)
- 220. QUANTITATIVE ANALYSIS I.** Mathematical methods applied to management problems; elementary mathematical optimization models. *Prerequisite: Mathematics 102.*  
Full Course (4)
- 221. QUANTITATIVE ANALYSIS II.** Collection, analysis and presentation of statistical data; random sampling, estimation, hypothesis testing, regression and correlation. *Prerequisite: Mathematics 102.*  
Full Course (4)
- 230. ACCOUNTING FOR PLANNING AND CONTROL.** The use of accounting data in the analysis and control of business operations and in the management decision-making process. *Prerequisites: Business Administration 130 and Economics 110.*  
Full Course (4)
- 231. INTERMEDIATE ACCOUNTING I.** The quantification, recording, and presentation of balance sheet and income statement items with emphasis on corporate organizations; statement of application of funds; cash flows, accounting theory; interpretation of financial statements; introduction of AICPA pronouncements. *Prerequisite: Business Administration 130.*  
Full Course (4)
- 232. INTERMEDIATE ACCOUNTING II.** Continuation of Intermediate Accounting I. *Prerequisite: Business Administration 231.*  
Full Course (4)
- 233. ADVANCED ACCOUNTING AND THEORY PROBLEMS.** Formation, utilization, and analysis of consolidated financial statements at advanced level; accounting problems of estates, trusts, insolvencies, foreign subsidiaries and exchange; AICPA pronouncements; brief of SEC regulations; CPA theory problems integrated throughout course. *Prerequisite: Business Administration 232.*  
Full Course (4)
- 234. INCOME TAX ACCOUNTING.** Principles of federal income tax law, reference sources, limited practice in preparation of returns for individuals, proprietorships, partnerships, corporations; survey of estate and trust tax law. *Prerequisite: Business Administration 232.*  
Full Course (4)

**235. AUDITING, SYSTEMS, AND NON-PROFIT ACCOUNTING.** Emphasis on the public accounting profession, generally accepted auditing standards and procedures, professional ethics and problems in working paper preparation and report writing; CPA exam auditing problems integrated with course; also survey of principles of development of accounting systems and survey of non-profit accounting. *Prerequisite: Business Administration 234.*

Full Course (4)

**250. ELEMENTS OF MARKETING.** Management of the marketing function; decision-making concerning products, distribution channels, pricing and promotion, consumer behavior.

Full-Course (4)

**260. BUSINESS FINANCE.** Development of a decision framework for financial management; capital budgeting, trade credit policy, case planning and dividend and capital structure policies. *Prerequisites: Business Administration 130, Economics 110, and Mathematics 102.*

Full Course (4)

**262. ELEMENTS OF REAL ESTATE.** Functions and regulations of the real estate market; transfers of property, including escrows, mortgage deeds, title insurance; appraisal techniques; financing methods; leases; subdivision development; property management.

Full Course (4)

**264. ELEMENTS OF RISK AND INSURANCE.** Principles of risk-bearing and insurance; insurance needs of individuals and businesses; types of carriers and insurance markets; organization and functions of carriers; industry regulation.

Full Course (4)

**270. COBOL PROGRAMMING.** Computer programming for business applications, using the international business programming language COBOL. *Prerequisites: Business Administration 130 and Business Administration 170, or consent of instructor.*

Full Course (4)

**280. ECONOMICS OF THE FIRM.** Application of economic concepts to business organization: market structure, pricing and output determination, budgetary processes, forecasting. *Prerequisites: Economics 110 and 111.*

Full Course (4)

**290. MANAGEMENT POLICY.** An integrating course dealing with problems of management, using actual business cases for analysis and decision-making practice. *Prerequisites: Senior standing and completion of all other core requirements.*

Full Course (4)

### Graduate

*Graduate standing is prerequisite to enrollment in the following courses:*

**401. THE CORPORATION AND ITS SOCIAL SETTING.** The business enterprise as a social institution. The interaction of business and its social, political, technological and economic environment. Development of contemporary business organization and ethos. The social role of business.

Full Course (4)

**404. LAW AND THE ECONOMY.** Significance and development of law in relation to business enterprise. Law and the organization of business. Contemporary issues and developments.

Full Course (4)

## Business Administration

- 410. MANAGEMENT THEORY.** Conceptual foundations of the managerial function, organization and structure.

Full Course (4)

- 411. ORGANIZATIONAL THEORY AND BEHAVIOR.** The process by which the capabilities of the organization to attain and sustain an optimum level of performance are developed. A pragmatic approach to the strategies and tactics available to the professional manager.

Full Course (4)

- 415. SEMINAR IN MULTINATIONAL BUSINESS.** Analysis of multinational corporations and their environment with emphasis on market structure, cost factors, and international resource allocation within the firm. *Prerequisite: Consent of instructor.*

Full Course (4)

- 420. QUANTITATIVE METHODS IN BUSINESS.** Mathematical and statistical techniques used in business research, including set theory, matrix algebra, Bayes strategies, minimax. *Prerequisite: Mathematics 150 or equivalent.*

Full Course (4)

- 424. BUSINESS CONDITIONS ANALYSIS.** Problems of business forecasting in the light of business cycle analysis; predictive performance of various types of historical relationships. *Prerequisite: Mathematics 150 or equivalent.*

Full Course (4)

- 426. SEMINAR IN BUSINESS AND ECONOMIC FORECASTING.** Methods of forecasting business conditions; business index construction; time series analysis; econometric models; input-output analysis; indicator analysis. Forecasting for the firm, the industry and the economy. *Prerequisites: Business Administration 424, and consent of instructor.*

Full Course (4)

- 430. MANAGERIAL ACCOUNTING.** The use of accounting data in internal management decisions. Topics emphasized include: cost accounting, cost-volume-profit analysis, and budgeting. *Prerequisite: A basic course in accounting or equivalent.*

Full Course (4)

- 435. SEMINAR IN THE BUSINESS APPLICATIONS OF DATA PROCESSING I.** Computer structure, programming languages, flow-charting, software tools, systems analysis, integrated systems, modeling and simulation, management information systems, planning, programming budgeting systems, group projects in system design. *Prerequisite: Consent of instructor.*

Full Course (4)

- 436. SEMINAR IN THE BUSINESS APPLICATIONS OF DATA PROCESSING II.** A continuation of Business Administration 435. *Prerequisite: Business Administration 435.*

Full Course (4)

- 440. PRODUCTION MANAGEMENT.** Organization and theory of manufacturing operations; production planning, scheduling and control; inventory management; layout; quality and cost control; materials, transport and equipment utilization.

Full Course (4)

- 445. SEMINAR IN INDUSTRIAL RELATIONS.** Employee-employer relationships: selection and testing, training, wages and salary administration, staff personnel functions, collective bargaining. *Prerequisite: Consent of instructor.*

Full Course (4)

- 450. MARKETING MANAGEMENT.** Organization and operation of the distributive system from manufacturer to ultimate user; emphasis in achieving corporate objectives.

Full Course (4)

**460. CORPORATE FINANCE.** An analytical approach to the optimization of the firm's financial structure.

Full Course (4)

**462. SEMINAR IN FINANCE I.** Requirements, procedures and institutions for financing world trade, investment and economic development and international monetary cooperation. Market for loanable funds and relation to saving-investment process; analysis of flow-of-funds; characteristics of financial institutions; monetary and financial policy, the role of the Federal Reserve. *Prerequisite: Consent of instructor.*

Full Course (4)

**463. SEMINAR IN FINANCE II.** A continuation of 462. *Prerequisite: Business Administration 462.*

Full Course (4)

**480. BUSINESS INTERNSHIP.** For those students with limited business experience, none of it managerial. At least twenty hours of employment per week. *May be repeated for a second quarter. Prerequisite: Consent of instructor.*

Full Course (4) \*

**485. SEMINAR IN MANAGEMENT I.** For those students with considerable business experience, including some of a managerial nature, a two-quarter sequence in management simulation and problem-solving. *Prerequisite: Consent of instructor.*

Full Course (4)

**486. SEMINAR IN MANAGEMENT II.** A continuation of 485. *Prerequisite: Business Administration 485.*

Full Course (4)

**490. SEMINAR IN BUSINESS POLICY.** Administration of the firm from the viewpoint of top management. Managerial decision-making through participation in a business simulation. *Prerequisites: Completion of all other core courses; and consent of instructor.*

Full Course (4)

\* Repeatable Course.

## CHEMISTRY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN CHEMISTRY

#### *Lower Division*

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

Chemistry 110-112-114. General and Quantitative Chemistry  
Mathematics 110-112-114. Differential and Integral Calculus I, II, III  
Physics 110-112-114. General Physics  
Biological Science 102. General Biology *or*  
Biological Science 110. Principles of Biology

#### *Upper Division*

Chemistry 210. Organic Chemistry I  
Chemistry 212-214. Organic Chemistry II, III  
Chemistry 211-213. Organic Chemistry Laboratory I, II  
Chemistry 220-222-224. Physical Chemistry  
Chemistry 230-231. Analytical Chemistry  
Chemistry 223 and 225. Physical Chemistry Laboratory I, II  
Chemistry 240. Inorganic Chemistry

*All chemistry courses, both lower and upper division, which are required or are prerequisite to the departmental major in Chemistry must be passed with a grade of C or better.*

### REQUIREMENTS FOR THE MINOR WITH AN EMPHASIS ON BIO-ORGANIC CHEMISTRY

#### *Prerequisites*

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

Biological Science 110. Principles of Biology, *or*  
Biological Science 102. General Biology  
Chemistry 110-112-114. General and Quantitative Chemistry

#### *Required Courses*

Chemistry 210-212-214. Organic Chemistry I, II, III  
Chemistry 211. Organic Chemistry Laboratory I  
Chemistry 250. Biochemistry I  
One-half course selected from the following:  
Chemistry 213. Organic Chemistry Laboratory II  
Chemistry 251. Laboratory in Biochemistry

One course selected from the following; however, students who have taken Chemistry 210 to satisfy the requirements for the major in Biological Science must select two courses from this group:

- Chemistry 256. Clinical Chemistry  
 † Chemistry 260. Radiochemical Techniques  
 Chemistry 272. Marine Chemistry

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

## COURSE OFFERINGS IN CHEMISTRY

### Lower Division

- 102. BASIC CHEMISTRY.** Atoms, molecules, periodic properties, bonding and structure; chemical reactions.  
 Full Course (4)
- 108. INTRODUCTION TO COLLEGE CHEMISTRY.** Measurements, units, unit conversion, scientific notation, slide rule, chemical stoichiometry, mole concept, structure of atoms and molecules. *Three hours of lecture and three hours of laboratory per week.*  
 Full Course (4)
- 110. GENERAL AND QUANTITATIVE CHEMISTRY.** Atomic structure and periodicity, chemical bonding; elementary thermodynamics, kinetics and equilibrium; inorganic chemistry; qualitative analysis; quantitative measurements. *Three hours of lecture and three hours of laboratory per week. Prerequisite: (a) grade of C or better in Chemistry 108; or (b) high school chemistry and satisfactory performance on placement test administered by the college.*  
 Full Course (4)
- 112. GENERAL AND QUANTITATIVE CHEMISTRY.** A continuation of Chemistry 110. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 110.*  
 Full Course (4)
- 114. GENERAL AND QUANTITATIVE CHEMISTRY.** A continuation of Chemistry 112. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Chemistry 112.*  
 Full Course (4)

### Upper Division

- 210. ORGANIC CHEMISTRY I.** A systematic study of organic compounds, with emphasis on molecular structure and reaction mechanisms. Introduction to spectroscopic methods of analysis of organic compounds. Basic experimental techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114.*  
 Full Course (4)
- 211. ORGANIC CHEMISTRY LABORATORY I.** Preparation of organic compounds. Introduction to infrared spectroscopy, gas chromatography, and other instrumental methods. *Eight hours of laboratory per week. Prerequisite: Chemistry 210; and 212, or concurrent enrollment in Chemistry 212.*  
 One-Half Course (2)
- 212. ORGANIC CHEMISTRY II.** A continuation of Chemistry 210 with emphasis on aromatic systems; spectroscopic methods of structure determination; and structures and reactions of organic compounds containing oxygen, sulfur, and nitrogen. *Prerequisite: Chemistry 210.*  
 Full Course (4)

† Consult course descriptions for prerequisites.

## Chemistry

- 213. ORGANIC CHEMISTRY LABORATORY II.** Preparation of organic compounds. Introduction to qualitative and quantitative organic analysis. Methods of investigating reaction mechanisms. *Eight hours of laboratory per week. Prerequisites: Chemistry 211 and 212.*  
One-Half Course (2)
- 214. ORGANIC CHEMISTRY III.** Polyfunctional systems, heterocyclics. Advanced aspects of theoretical organic chemistry. *Prerequisite: Chemistry 212.*  
Full Course (4)
- 216. INTRODUCTORY ORGANIC CHEMISTRY.** Structure and properties of aliphatic and aromatic compounds. Stereochemistry and functional group chemistry. *Not open to Chemistry departmental majors. May not be accepted by medical or dental schools. Prerequisite: Chemistry 114.*  
Full Course (4)
- 217. INTRODUCTORY ORGANIC CHEMISTRY LABORATORY.** Laboratory studies of the properties of organic compounds, preparation of organic compounds, basic techniques of separation of mixtures and purification processes. Introduction to qualitative and quantitative analysis. *Not open to Chemistry departmental majors. May not be accepted by medical or dental schools. One hour of lecture and three hours of laboratory per week. Prerequisite: Chemistry 216 (may be taken concurrently).*  
One-Half Course (2)
- 220. PHYSICAL CHEMISTRY LECTURE I.** The first of a series of courses covering thermodynamics, properties of matter, atomic and molecular structure, chemical kinetics, photochemistry, and surface chemistry. *Prerequisite: Chemistry 114, Mathematics 114, and Physics 114.*  
Full Course (4)
- 222. PHYSICAL CHEMISTRY LECTURE II.** A continuation of Chemistry 220. *Prerequisite: Chemistry 220.*  
Full Course (4)
- 223. PHYSICAL CHEMISTRY LABORATORY I.** Laboratory exercises illustrating physical-chemical methods, including vacuum, electrical, optical and thermal techniques, error analysis and report writing. *Six hours of laboratory per week. Prerequisite: Chemistry 220 and concurrent enrollment in Chemistry 222.*  
One-Half Course (2)
- 224. PHYSICAL CHEMISTRY LECTURE III.** A continuation of Chemistry 222. *Prerequisite: Chemistry 222.*  
Full Course (4)
- 225. PHYSICAL CHEMISTRY LABORATORY II.** A continuation of Chemistry 223, including laboratory investigations of thermodynamics, kinetics, properties of matter, atomic and molecular spectroscopy, and surface chemistry. *Six hours of laboratory per week. Prerequisite: Chemistry 223 and concurrent enrollment in Chemistry 224.*  
One-Half Course (2)
- 230. ANALYTICAL CHEMISTRY.** Discussions of titrimetric, gravimetric, electroanalytical, optical, and other methods of separation and measurement. *Prerequisite: Chemistry 210 and Chemistry 220 and concurrent enrollment in Chemistry 231. (Chemistry 212 and Chemistry 222 recommended.)*  
Full Course (4)
- 231. LABORATORY IN ANALYTICAL CHEMISTRY.** *Six hours of laboratory per week. Prerequisite: Concurrent enrollment in Chemistry 230.*  
One-Half Course (2)

**240. INORGANIC CHEMISTRY.** Structural inorganic chemistry; coordination compounds; mechanisms of inorganic reactions; inorganic synthetic methods. *Prerequisite: Chemistry 224.*

Full Course (4)

**250. BIOCHEMISTRY I.** Biologically significant organic compounds, including carbohydrates, proteins, lipids, nucleic acids, enzymes and vitamins. Metabolism of carbohydrates and lipids; energy production and gas transport systems. *Prerequisite: Chemistry 214 or 217 or consent of instructor.*

Full Course (4)

**251. LABORATORY IN BIOCHEMISTRY.** A study of properties of chemical substances incorporated in biological systems, including isolation and analytical techniques. *Six hours of laboratory per week. Prerequisite: Chemistry 250 or concurrent enrollment in Chemistry 252.*

One-Half Course (2)

**252. BIOCHEMISTRY II.** Metabolism of nitrogenous compounds, with special emphasis on mammalian systems. Related metabolism in human specialized tissues covered where applicable. *Prerequisite: Chemistry 250.*

Full Course (4)

**256. CLINICAL CHEMISTRY.** Methods of analysis of body fluids and tissues. Relation of analytical results to interpretation of metabolism and diagnosis of disease. *Two hours of lecture and six hours of laboratory per week. Prerequisites: Chemistry 114 and Chemistry 250 (may be taken concurrently).*

Full Course (4)

**260. RADIOCHEMICAL TECHNIQUES.** A survey of the principles and methods of nuclear science as applied to the investigation of chemical problems. Topics include nuclear reactions, radiation detection and measurement, preparation of tracers and the techniques of handling and using radioactive materials. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Chemistry 114 and Physics 114.*

Full Course (4)

**270. GENERAL OCEANOGRAPHY: PHYSICAL AND CHEMICAL.** Physical and chemical characteristics of ocean waters. Geomorphology of ocean bottoms and shorelines. Transport and circulation phenomena. Energy budget of oceans. *Prerequisite: Physics 150.*

Full Course (4)

**272. MARINE CHEMISTRY.** Chemical composition and physical properties of sea waters; methods of seawater analysis, chemical equilibria in the oceans; marine biochemistry. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Chemistry 114 and Chemistry 212 or 216.*

Full Course (4)

**274. GEOCHEMISTRY.** An introduction to the principal methods for, and results of, the application of chemistry to the study of the earth. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114.*

Full Course (4)

**276. CHEMICAL CRYSTALLOGRAPHY.** Identification of compounds by X-ray powder diffraction methods; laboratory problems in crystal symmetry, crystal stoichiometry and coordination theory; introduction to single crystal methods of structure determination. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Chemistry 112, Physics 112, and Mathematics 112.*

Full Course (4)

## Chemistry

- 286. AMERICAN SCIENCE AND TECHNOLOGY.** A critical assessment of the historical development and present role of science and technology in America, with particular attention to the interrelationships of science and technology with industry, government, education and culture.

Full Course (4)

- 295. SELECTED TOPICS IN CHEMISTRY.** *Prerequisite: Consent of instructor.*

One-Half Course (2) \* or Full Course (4) \*

- 297. DIRECTED RESEARCH.** Advanced laboratory work, with each student undertaking an independent and original investigation. *Six or twelve hours of laboratory per week. Prerequisite: Senior standing and consent of instructor.*

One-Half Course (2) \* or Full Course (4) \*

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\* Repeatable Course.

## COMMUNICATIONS

### An Undergraduate Major in a Single Field

The Communications program combines elements of communication theory with professional training, offering the preparation needed to enter careers in the news media and other communications fields. The initial program offers students training in both the print and electronic or broadcast aspects of journalism. In later years, additional specializations in film-making, communication theory, and radio and television production may be provided. The program in communications fulfills the requirements for both the departmental and interdepartmental major.

### REQUIREMENTS FOR THE MAJOR IN COMMUNICATIONS

#### *Lower Division*

Communications 150. Introduction to Communications

#### *Upper Division*

- A. The following two courses (8 units), which may be taken concurrently, must be taken first:
  - Communications 200. Theories of Communication *or*
  - Linguistics 200. Introduction to Human Language
  - Communications 201. Methods of Communication
- B. Nine full courses (36 units) in Broadcast and Print Journalism:
  - † Communications 250. Principles of Journalism
  - † Communications 251. Radio and Television Newswriting
  - † Communications 252. Newspaper and Magazine Newswriting
  - Communications 257. News Graphics (Half Course)
  - Communications 259. Law of the Mass Media

Two and one-half additional courses (10 units) to be selected through advisement from the following:

  - † Communications 253. Newspaper and Magazine Production
  - † Communications 255. Radio News Production
  - Communications 256. Television News Production
  - Communications 258. News Photography (Half Course)
  - Communications 260. History of Journalism

Plus two full courses (8 units) from:

  - Communications 261. News Bureau
  - Humanities 209. Cooperative Education
- C. Interdisciplinary work totaling six full courses (24 units) to be chosen through advisement from the following:
  - Anthropology 210. Psychological Anthropology
  - Communications 210. Interviewing Techniques
  - Communications 214. Organizational and Industrial Communication
  - Communications 215. Advertising and Campaign Communication
  - Communications 225. Introduction to Film
  - † Communications 226. Workshop in Film

† Consult course description for prerequisite.

## Communications

- Economics 230. Labor and the American Economy
- † English 235. Readings in World Literature
- † English 240. American Literature I
- † English 269. Modern Theatre
- † Geography 225. Economic Geography
- Geography 235. Urban Geography
- † Geography 246. Political Geography
- History 249. United States: Recent Period
- History 252. History of American Thought
- Political Science 236. Theories of International Relations
- Political Science 270. Public Opinion and Propaganda
- Psychology 240. Social Psychology: Psychological Perspective
- Sociology 221. Political Sociology

Other appropriate upper division courses, approved by the adviser, may be substituted for the above.

D. The senior seminar in this field:

Communications 291. Senior Seminar in Communications

### COURSE OFFERINGS IN COMMUNICATIONS

**150. INTRODUCTION TO COMMUNICATIONS.** Survey of the field of mass communications dealing with newsgathering, film production, theory, and occupations in these fields.

Full Course (4)

**200. THEORIES OF COMMUNICATION.** Introduction to the major theories of communication drawn from data in psychology, sociology, and anthropology.

Full Course (4)

**201. METHODS OF COMMUNICATION.** An introduction to the various methods utilized in the media including print, electronic, film, and theory.

Full Course (4)

**210. INTERVIEWING TECHNIQUES.** Theory and techniques of interviewing. Special emphasis given to verbal and nonverbal communication, information theory, question selection and evaluation as they relate to the interview.

Full Course (4) *Not offered in 1973-74*

**214. ORGANIZATIONAL AND INDUSTRIAL COMMUNICATION.** 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.

Full Course (4) *Not offered in 1973-74*

**215. ADVERTISING AND CAMPAIGN COMMUNICATION.** Examination of theory, strategy, and practical application of advertising, and campaign technology to activities in political, industrial, and public relations campaigns.

Full Course (4) *Not offered in 1973-74*

**225. INTRODUCTION TO FILM.** Exploration into the history, aesthetics and craft of the film. Examination of entire range of motion picture art. If practicable, opportunity to combine theory with a production project.

Full Course (4)

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† Consult course description for prerequisite.

- 226. WORKSHOP IN FILM.** Theory and practices of film making. Basic techniques of film production, particularly as applied to educational and documentary film forms. Fundamentals of the motion picture, camera, lighting, sound, editing, and laboratory procedures. *Prerequisite: Communications 225.*  
Full Course (4) *Not offered in 1973-74*
- 250. PRINCIPLES OF JOURNALISM.** Basic techniques of gathering, writing, and editing news. The feature story, editorial, and column. Journalistic ethics and the law; news media and their responsibilities. *Prerequisite: English 100-101.*  
Full Course (4)
- 251. RADIO AND TELEVISION NEWSWRITING.** Techniques of reporting and writing news for electronic media. *Prerequisite: Communications 250.*  
Full Course (4)
- 252. NEWSPAPER AND MAGAZINE NEWSWRITING.** Techniques of reporting and writing for print media. *Prerequisite: Communications 250 or consent of instructor.*  
Full Course (4)
- 253. NEWSPAPER AND MAGAZINE PRODUCTION.** Instruction and practice in copy editing and makeup. *Prerequisite: Communications 252 or consent of instructor.*  
Full Course (4)
- 255. RADIO NEWS PRODUCTION.** Instruction and practice in preparing and delivering radio news. *Prerequisite: Communications 251 or consent of instructor.*  
Full Course (4)
- 256. TELEVISION NEWS PRODUCTION.** Instruction and practice in preparing and delivering television news. *Prerequisite: Communications 251 or consent of instructor.*  
Full Course (4) *Not offered in 1973-74*
- 257. NEWS GRAPHICS.** Preparation and instruction in the use of visuals for print and electronic media.  
One-Half Course (2)
- 258. NEWS PHOTOGRAPHY.** Instruction in the basic principles of still photography as related to news coverage.  
One-Half Course (2)
- 259. LAW OF THE MASS MEDIA.** Libel law, right to privacy, contempt of court, copyright, the right to print news of public affairs and other legal topics of concern to the professional reporter or editor.  
Full Course (4) *Not offered in 1973-74*
- 260. HISTORY OF JOURNALISM.** Important papers and persons in American journalism.  
Full Course (4) *Not offered in 1973-74*
- 261. NEWS BUREAU.** Practical public relations aspects of news communication; preparation of college brochures, news releases, etc. *Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 291. SENIOR SEMINAR IN COMMUNICATIONS.** Selected topics in the field of communications. *Prerequisite: Senior standing.*  
Full Course (4) *Not offered in 1973-74*

\* Repeatable course.

## EARLY CHILDHOOD STUDIES

### An Interdepartmental Field of Concentration

The undergraduate interdepartmental field in Early Childhood Studies is a 42 quarter unit sequence of work which, when completed with a departmental major or a minor and other degree requirements, leads to the Bachelor of Arts degree and a partial credential in Early Childhood Teaching.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN EARLY CHILDHOOD STUDIES

#### *Upper Division*

- Psychology 250. Developmental Psychology
- † Psychology 255. Field Work in Developmental Psychology
- Education 210. Motivation and Learning
- † Education 252. Language Development of the Child
- † Education 290. Supervised Teaching in Elementary School
- Education 291. Supervised Teaching in Elementary School
- † Education 293. Supervised Teaching: Preschool
- † Humanities 285. The Humanities in Early Childhood Education I
- † Humanities 286. The Humanities in Early Childhood Education II
- † Social Science 275. Exploring the Natural and Social Environment:  
Preschool Years
- † Social Science 276. Exploring the Natural and Social Environment:  
Early School Years
- Sociology 239. Social Environment of Education
- Sociology 270. Field Studies in Urban Problems

During the academic year 1973-74 the interdepartmental field in Early Childhood Studies will be modified, as required by State guidelines for multiple subject credential programs. *Students should consult an adviser in the School of Education prior to enrolling in this program.*

† Consult course description for prerequisites.

## EARTH AND MARINE SCIENCES

### An Interdepartmental Field of Concentration

This program is designed to provide students choosing departmental majors both in and out of the School of Natural Sciences and Mathematics with a broad integrated background in the areas of oceanography, geology, and physical and environmental geography.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN THE EARTH AND MARINE SCIENCES

#### *Lower Division*

To be taken prior to any of the upper division courses:

- Geography 112. Physical Geography
- † Physics 150. Physical Geology

#### *Upper Division*

- A. Three courses selected from the following:
  - † Biological Science 260. General Oceanography: Biological
  - † Biological Science 262. Marine Ecology
  - † Chemistry 270. General Oceanography: Physical and Chemical
  - † Chemistry 272. Marine Chemistry
  - † Geography 284. Marine Geology
- B. Two courses selected from the following:
  - † Biological Science 264. Paleontology
  - † Chemistry 274. Geochemistry
  - † Geography 286. Structural Geology
  - † Physics 250. Space Physics
  - † Physics 252. Geophysics
  - † Physics 258. Mineralogy and Petrology
- C. Two courses selected from the following:
  - Geography 210. Principles of Geomorphology
  - Geography 215. Weather
  - † Geography 220. Natural Resources
  - † Geography 222. Contemporary Environmental Problems
  - † Geography 248. Interpretation of Aerial Photographs and Remote Sensing Data
- D. Earth and Marine Sciences 290. Colloquium in Earth and Marine Sciences

### REQUIREMENTS FOR THE MINOR IN EARTH AND MARINE SCIENCES

#### *Prerequisites*

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

- Geography 112. Physical Geography
- † Physics 150. Physical Geology

#### *Required Courses*

- † Biological Science 264. Paleontology
- † Geography 286. Structural Geology
- † Physics 258. Mineralogy and Petrology

† Consult course description for prerequisites.

## Earth and Marine Sciences

Two courses selected from the following list:

- † Chemistry 274. Geochemistry
- Geography 205. Cartography
- Geography 210. Principles of Geomorphology
- † Geography 248. Interpretation of Aerial Photographs and Remote Sensing Data
- † Geography 284. Marine Geology
- † Physics 252. Geophysics

### COURSE OFFERING

#### *Upper Division*

**290. COLLOQUIUM IN EARTH AND MARINE SCIENCES.** Student presentations of reports on pertinent subject matter from current literature. *Prerequisite: Senior standing and consent of instructor.*

One-Half Course (2)

† Consult course descriptions for prerequisites.

## EAST ASIAN STUDIES

### An Interdepartmental Field of Concentration

This field is designed to provide an understanding of social, political, and cultural patterns of East Asia, with emphasis on China and Japan. The study of major philosophic and artistic works of East Asian civilization is included.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN EAST ASIAN STUDIES

#### *Upper Division*

- A. Three courses from the School of Humanities and Fine Arts, selected from the following:
    - Art 235. Asian Arts II: Art of China *or*
    - Art 236. Asian Arts III: Art of Japan and Korea, *but not both*
    - † English 238. Literature of China and Japan
    - Music 255. Music of China, Japan, and Korea
    - Philosophy 286. Philosophies of China and Japan
  - B. Three courses from the School of Social and Behavioral Sciences, selected from the following:
    - Anthropology 235. Peoples of East Asia
    - Economics 243. Economic Development in East Asia
    - Geography 270. Geography of East Asia
    - History 271. Traditional China
    - History 272. Modern China
    - History 273. Traditional Japan
    - History 274. Modern Japan
    - Political Science 241. Government and Politics of East Asia
  - C. Two additional courses selected by advisement from the above lists or from Japanese language.
  - D. The senior seminar in this field.
- One or two years of college-level study of Chinese or Japanese language is recommended as electives, especially for students who plan to focus on East Asia in graduate school.

### REQUIREMENTS FOR THE MINOR IN EAST ASIAN STUDIES

#### *Lower Division*

Two courses in Japanese or Chinese language may substitute for two upper division courses.

#### *Upper Division*

Six courses selected from the upper division offerings listed above in the interdepartmental field.

† Consult course description for prerequisite.

COURSE OFFERING

*Upper Division*

**290. SEMINAR IN EAST ASIAN STUDIES.** An integrative seminar serving as a capstone to the interdepartmental major in East Asian Studies. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

## ECONOMICS

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ECONOMICS

#### *Lower Division*

- Mathematics 150. Elementary Statistics and Probability  
Economics 110-111. Economic Theory IA-IB

#### *Upper Division*

- A. Required courses:  
Economics 210. Intermediate Micro-Economic Theory  
Economics 211. Intermediate Macro-Economic Theory  
Economics 250. Quantitative Economic Analysis I
- B. Four courses selected from:  
Economics 221. History of Economic Thought  
Economics 222. Money and Banking  
Economics 227. Fiscal and Monetary Theory  
Economics 240. International Economics  
Economics 245. Economic Development
- C. One additional upper division course in Economics
- D. Economics 295. Senior Seminar in Economics

### REQUIREMENTS FOR THE MINOR IN ECONOMICS

#### *Lower Division*

- Economics 110-111. Economic Theory 1A, 1B

#### *Upper Division*

- A. Select two courses from this group:  
Economics 210. Intermediate Micro-Economic Theory  
Economics 211. Intermediate Macro-Economic Theory  
Economics 222. Money and Banking  
Economics 227. Fiscal and Monetary Theory  
Economics 240. International Economics  
Economics 245. Economic Development
- B. Select two courses from this group:  
Economics 215. American Economic History  
Economics 228. State and Local Finance  
Economics 230. Labor and the American Economy  
Economics 250. Quantitative Economic Analysis I  
Economics 275. Industrial Organization and the American Economy  
Economics 280. The Economics of Urban Areas

## COURSE OFFERINGS IN ECONOMICS

### *Lower Division*

- 100. BASIC STUDIES ECONOMICS.** Fundamental economic concepts used to analyze and evaluate current economic problems.

Full Course (4)

- 110. ECONOMIC THEORY IA.** Introductory micro-economic theory: resource allocation, output determination, production theory, income distribution.

Full Course (4)

- 111. ECONOMIC THEORY IB.** Introductory macro-theory: national income accounting, national income determination, monetary and fiscal policy.

Full Course (4)

### *Upper Division*

- 210. INTERMEDIATE MICRO-ECONOMIC THEORY.** Development of detailed micro-economic models of production and distribution. *Prerequisite: Economics 110.*

Full Course (4)

- 211. INTERMEDIATE MACRO-ECONOMIC THEORY.** Analysis of factors underlying the level of economic activity with emphasis on such topics as inflation, unemployment and stabilization policy. *Prerequisite: Economics 111.*

Full Course (4)

- 215. AMERICAN ECONOMIC HISTORY.** 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.

Full Course (4)

- 216. ECONOMIC HISTORY OF EUROPE.** Analysis of the processes of economic change in Europe from early times, with emphasis on the causes and social consequences of transformation into modern industrial societies.

Full Course (4)

- 221. HISTORY OF ECONOMIC THOUGHT.** Historical development of economic theory and the relationship to its institutional setting. *Prerequisites: Economics 110 and 111.*

Full Course (4)

- 222. MONEY AND BANKING.** Development of monetary and banking institutions in the United States. Contemporary monetary theory and policy. *Prerequisites: Economics 110 and 111.*

Full Course (4)

- 227. FISCAL AND MONETARY THEORY.** Theory of the optimum allocation of resources between public and private sector in a fully employed economy. Effects of various types of taxes on economic efficiency. Theory of monetary and fiscal policies as instruments for the achievement of national economic goals. *Prerequisites: Economics 110 and 111.*

Full Course (4)

- 228. STATE AND LOCAL FINANCE.** Study of the criteria for and determinants of expenditure, taxation, and debt management in state and local governments. Intergovernmental fiscal relations. Program budgeting, and cost benefit analysis.

Full Course (4)

- 230. LABOR AND THE AMERICAN ECONOMY.** Role of labor as a major productive agent; forces determining the general wage level and wage differentials. *Prerequisite: Economics 110.*  
Full Course (4)
- 240. INTERNATIONAL ECONOMICS.** International trade theory; balance of payments; international monetary mechanisms; compatibility of domestic and international objectives. *Prerequisites: Economics 110 and 111.*  
Full Course (4)
- 242. COMPARATIVE ECONOMIC SYSTEMS.** A study of the ideology of contemporary economic systems, i.e., capitalism, socialism, communism and fascism, with attention to their socio-political context, and their variations in practice.  
Full Course (4)
- 243. ECONOMIC DEVELOPMENT IN EAST ASIA.** A comparative analysis of the economic structures of China, India, and Japan; an evaluation of their performances as related to various theories of economic development.  
Full Course (4)
- 245. ECONOMIC DEVELOPMENT.** Theories of economic development. Contemporary economic structure of low income countries. Causes of limited economic growth. Policy alternatives. *Prerequisites: Economics 110 and 111.*  
Full Course (4)
- 250. QUANTITATIVE ECONOMIC ANALYSIS I.** Construction of mathematical models and their application to economic and business research. *Prerequisites: Economics 210 and Mathematics 110.*  
Full Course (4)
- 251. QUANTITATIVE ECONOMIC ANALYSIS II.** Role of advanced statistical methods and other quantitative techniques in the testing of economic hypotheses. Uses of mathematical models, games and linear programming in the analysis and solution of economic and business problems. *Prerequisites: Economics 250 and Mathematics 152 or Economics 252.*  
Full Course (4)
- 275. INDUSTRIAL ORGANIZATION AND THE AMERICAN ECONOMY.** Current issues of industrial organization, concentration and diversification. Anti-trust policy. *Prerequisites: Economics 110 and 111.*  
Full Course (4)
- 280. THE ECONOMICS OF URBAN AREAS.** Economic factors underlying and following from the urbanization of modern societies. Current problems such as urban decay, air and water pollution, transportation constriction, education, racial concentrations, and city-state and city-federal relationships.  
Full Course (4)
- 282. ECONOMICS OF POVERTY.** Characteristics of urban and rural poverty in the United States; wealth and income distribution, effects of tax and expenditure patterns, economic consequences of discrimination and segregation, preferential treatment, welfare issues.  
Full Course (4)
- 285. ECONOMIC POLICY AND SOCIAL VALUES.** Consideration of the alternative social and personal values implied by different policy judgments on significant public issues, such as distribution and taxation of income, consumer sovereignty, freedom of enterprise, and social welfare programs.  
Full Course (4)

## Economics

**295. SENIOR SEMINAR IN ECONOMICS.** A capstone course designed to integrate the major by the application of economic theory and principles to some broad area of policy to be selected by the students in consultation with the instructor. Senior thesis required. *Prerequisites: Senior standing and completion of at least two-thirds of course requirements for major.*

Full Course (4)

**298. INDEPENDENT STUDY.** Individual study of some topic or problem under the supervision of a member of the Economics Department. *Prerequisites: Economics 110 and 111, and consent of instructor.*

One-Half Course (2) \* or Full Course (4) \*

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\* Repeatable Course.

## EDUCATION

### *Credential Programs*

The Commission for Teacher Preparation and Licensing, established by the Legislature in 1970, is developing new guidelines and requirements for teaching credential programs. Students are advised that the requirements for credential programs listed in this catalog may be revised and that they should obtain supplemental information from the School of Education prior to course enrollment.

*All credentials issued after September 15, 1974, must comply with the new regulations.*

### *Admission*

Admission to School of Education programs is not automatic with admission to the College. Students must be accepted by the Teacher Education Selection Committee prior to beginning professional courses in Education. Application for admission to one of the programs, including tests, transcripts, references, etc., must be completed by *March 1 preceding the Fall Quarter* in which students expect to enter the program. Application is made through the School of Education.

Quotas on the number of students who may enroll in each teacher education program for each admission cycle will be established consistent with the resources available.

## REQUIREMENTS FOR STANDARD ELEMENTARY CREDENTIAL

### *Prerequisites*

1. A Bachelor's degree with an academic major and appropriate General Education and statutory requirements.
2. The following two courses:  
Education 210. Motivation and Learning  
Psychology 250. Developmental Psychology

### *Requirements*

Completion of a fifth year (45 quarter units) of post-baccalaureate coursework, including:

Education 220. Principles and Methods of Teaching in Elementary School  
(To be taken concurrently with Education 290)

Education 230. The Teaching of Reading in Elementary School

Education 240. Workshop in Methods: Social Studies

Education 250. Workshop in Methods: Humanities

Education 260. Workshop in Methods: Mathematics

Education 270. Workshop in Methods: Science

Education 290. Supervised Teaching in Elementary School

(To be taken concurrently with Education 220)

Education 291. Supervised Teaching in Elementary School

(To be taken concurrently with Education 297)

Education 292. Supervised Teaching in Elementary School

(To be taken concurrently with Education 297)

## Education

Education 297. Seminar in Student Teaching in Elementary School  
(To be repeated, two units each quarter, and taken concurrently with Education 291 and 292)

History 386. History and Philosophy of Education  
Plus additional courses to complete 45 quarter units.

All elementary credential candidates are required to pass an examination in advanced English composition prior to program completion. In addition, elementary candidates who have not taken Basic Studies Mathematics or equivalent as an undergraduate must complete a course in mathematics for elementary teaching.

## REQUIREMENTS FOR STANDARD SECONDARY CREDENTIAL

### *Prerequisites*

1. A Bachelor's degree with an academic major and appropriate General Education and statutory requirements.
2. The following two courses:  
Education 210. Motivation and Learning  
Psychology 250. Developmental Psychology

### *Requirements*

Completion of a fifth year (45 quarter units) of post-baccalaureate coursework, including:  
Education 331. The Teaching of Reading in Secondary School  
Education 380. Methods and Materials in Secondary Education  
Education 390-391-392. Supervised Teaching in the Secondary School  
(To be taken concurrently with Education 397)

Education 397. Seminar in Student Teaching in Secondary School  
(To be repeated for a total of 6 units, two units each quarter, and taken concurrently with Education 390, 391, and 392)

History 386. History and Philosophy of Education

Plus additional courses to complete 45 quarter units, including two courses in the major or minor.

All secondary credential candidates are required to pass an examination in advanced English composition prior to program completion.

## MASTER OF ARTS IN EDUCATION

The Master of Arts in Education is planned as a full year, four-quarter program. The degree offers two major areas of specialization: Early Childhood Education with emphasis on administration or curriculum instruction, and Curriculum with electives in such areas as special education, social and philosophical foundations, socio-linguistics and reading, and educational technology. For students selecting the Curriculum area of specialization a personalized program is designed with each student in accordance with the student's educational and vocational goals.

The program is of value to experienced educators who wish to increase their competencies by pursuing an organized program of graduate study, to researchers in the areas of interest represented in the program and to potential candidates for advanced graduate degrees in Education.

Students seeking admission to the graduate program leading to the Master of Arts in Education should confer with the Coordinator of Master's Degree Programs in the School of Education before taking courses. Specific admission requirements are outlined in a brochure which may be obtained in the School of Education Office.

### ***Admission Requirements***

To be admitted as a classified student with a Master's Degree objective, the applicant must possess:

1. A bachelor's degree from an accredited college or university;
2. A 2.75 or higher grade point average in the last 90 quarter units of undergraduate work completed.

To be admitted as a conditionally classified student with a Master's Degree objective, the applicant must possess:

1. A bachelor's degree from an accredited college or university;
2. A 2.5–2.74 grade point average in the last 90 quarter units of undergraduate work completed.

A conditionally classified student may apply for classified status upon completion of 12 units of prescribed coursework.

Students who do not meet the admission requirements specified above may petition the Graduate Studies Committee, or be admitted in an Other Objective category. (See College Requirements for Master's Degree.)

In addition to the above-mentioned admission requirements, applicants for the Early Childhood Education Master's program will be interviewed by a faculty-student committee prior to admission.

## **REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN EDUCATION**

### **With a Specialization in Curriculum**

#### ***Core Courses Required of All Curriculum Students***

- Education 400. Seminar: The Critique and Analysis of Research in Education  
 Education 451. Seminar: Bio-Psychological Issues in Learning and Development  
 Education 455. Seminar: Socio-Cultural Aspects of Learning and Development

#### ***Electives***

After completion of the core courses, a study plan will be designed with the student's adviser listing the elective courses to be taken.

The study plan may include:

- A. A maximum of 9 quarter units of approved transfer credit from an accredited college or university. The work must have been completed as a graduate student. Extension courses may apply if the transcript or catalog clearly indicates that the course would have applied toward a graduate degree at the sponsoring institution.
- B. A maximum of 12 quarter units of approved upper division coursework.

#### ***Options***

Prior to the completion of 28 quarter units (including core courses), the graduate student must select one of the following options:

## Education

### Option I: Coursework and Thesis (45 units)

1. Complete an approved program of 36 units of coursework with at least a B (3.0) average (including core courses).
2. Complete an approved thesis or creative project (9 units). See adviser for thesis preparation guidelines. Student may enroll for thesis credit after completing 28 hours of coursework with at least a B average.

### Option II: Coursework and Examinations (45 units)

1. Complete an approved program of 45 units of coursework with at least a B (3.0) average (including core courses).
2. Pass a comprehensive oral examination covering area of concentration. Examination may be taken when the student has completed 36 hours of coursework with at least a B average.
3. Pass a written examination on a topic selected by the student with adviser approval. May be taken during the candidate's last quarter of work. All, or a portion, of the last 12 hours of coursework should be directed toward preparing for this examination.

## REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN EDUCATION

### With a Specialization in Early Childhood Education

The Early Childhood Education Master's program is designed to prepare educators for leadership positions in this field. Competencies necessary for productive functioning in Early Childhood learning environments have been specified and assigned to the courses listed below. The program emphasizes self-directed learning on the part of graduate students. Consequently, most of the courses have been designed to allow the student to proceed at his own pace. If a student has already mastered the competencies assigned to a given course and is willing to demonstrate mastery, the student will be given credit for that course.

### *Core Courses Required of All*

#### *Early Childhood Education Students*

- Education 400. Seminar: The Critique and Analysis of Research in Education  
Education 401. Evaluation and Program Monitoring in Early Childhood Education  
Education 422. Seminar: Curriculum Development for Early Childhood Education  
Education 454. Seminar: Diagnosis, Prescription and Behavior Modification in Early Childhood  
Education 455. Seminar: Socio-Cultural Aspects of Learning and Development  
Education 477. Seminar in the Development and Training of School and Community Personnel: Emphasis on Early Childhood  
Education 478. Seminar: Organization and Supervision in Early Childhood Education *or*  
Education 479. Seminar in Early Childhood Administration and Finance  
Education 497. Internship in Early Childhood Administration of Curriculum  
Psychology 450. Seminar in Developmental Psychology

### *Electives*

- Education 431. Seminar in Reading: Diagnosis and Remediation  
Education 450. Education and Human Development  
Education 453. Seminar in Identification and Study of Pupil Differences  
Anthropology 210. Culture and Personality  
Anthropology 288. Anthropological Theories of Behavior

## COURSE OFFERINGS IN EDUCATION

*Upper Division*

*With the exception of Education 210, 222, and 237, enrollment in all professional Education courses requires the prior approval of the Office of Teacher Education. Field trips and field studies may be required.*

**209. COOPERATIVE EDUCATION.** Students participate in an off-campus work program with an approved employer. Provides for an integration of academic study and related work experience with the objective of extending formal education beyond the classroom. *Registration requires: (1) permission of the Dean of the School of Education; (2) full-time student status with a teaching objective; and (3) concurrent registration in a pre-specified course. Prerequisite: Sophomore, junior, or senior standing.*

**210. MOTIVATION AND LEARNING.** 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. *Three hours of lecture-discussion and three hours of laboratory per week.*

Full Course (4)

**220. PRINCIPLES AND METHODS OF TEACHING IN ELEMENTARY SCHOOL.**

The basic principles which underlie successful teaching in the elementary schools, including planning for varying capabilities and interests, design of effective classroom organization, and study of interpersonal relationships. Includes analysis of critical incidents, in printed and taped form, and classroom observation.

Three-Fourths Course (3)

**222. EDUCATION OF THE MEXICAN AMERICAN.** The study of the special educational problems of Mexican Americans, their historical and cultural basis, with an emphasis on research and innovative pedagogical methods for improving the curriculum for the bilingual learner.

Full Course (4)

**230. THE TEACHING OF READING IN ELEMENTARY SCHOOL.** Procedures and materials for teaching reading in the elementary school, including the use of recent media and methods.

Full Course (4)

**237. SOCIOLINGUISTICS AND READING: LANGUAGE AND DIALECT PROBLEMS IN READING.** Study of interference caused by one's mother tongue in reading English, other than Black or Mexican American dialects. Develop, select and evaluate materials and remediation techniques. *Three hours of lecture-discussion and three hours of laboratory per week. Prerequisite: Education 230, 331, or consent of instructor.*

Full Course (4)

**240. WORKSHOP IN METHODS: SOCIAL STUDIES.** Study of selected approaches to and methods of inquiry within the social and behavioral sciences. Development of applications for elementary school social study. Critical analysis of conventional and experimental social studies programs. *Six hours of workshop activity per week.*

Three-Fourths Course (3)

**250. WORKSHOP IN METHODS: HUMANITIES.** The development of understandings and appreciation in music, art, literary masterpieces, and creative writing at the elementary school level. *Six hours of workshop activity per week.*

Three-Fourths Course (3)

## Education

- 252. LANGUAGE DEVELOPMENT OF THE CHILD.** Study of language and the factors influencing language development in early childhood; examination of theories and approaches to maximizing young children's growth in language. Studies of individual children in early childhood settings. *Prerequisite: Psychology 250.*

Full Course (4)

- 260. WORKSHOP IN METHODS: MATHEMATICS.** Principles and methods of elementary mathematics; examination of modern mathematics through experimental and current programs; process of discovery, induction, inquiry and problem solving; use of remedial and advanced materials; and use of games and puzzles in teaching. *Six hours of workshop activity per week. Prerequisite: Mathematics 100, or Mathematics 342, or equivalent.*

Three-Fourths Course (3)

- 270. WORKSHOP IN METHODS: SCIENCE.** Principles and methods for teaching science in the elementary school; emphasis on scientific processes, including observing, hypothesizing, verifying and analyzing; examination of standard and experimental programs. *Six hours of workshop activity per week.*

Three-Fourths Course (3)

- 280. WORKSHOP IN METHODS: LANGUAGE ARTS.** Principles and methods of language arts in elementary schools; examination of programs in oral and written language through current and experimental techniques; use of remedial and advanced materials; analysis and development of creative and descriptive writing, experimental linguistics and spoken language. *Six hours of workshop activity per week.*

Three-Fourths Course (3)

- 290. SUPERVISED TEACHING IN ELEMENTARY SCHOOL.** The student is required to complete a minimum of 240 hours of supervised teaching in a three-quarter (two public school semesters) sequence to fulfill the student directed teaching requirement for the elementary credential. Supervised teaching will be arranged in conjunction with the availability of outstanding master teachers in the public schools. Students are supervised by college faculty in their teaching assignments. *Prerequisite: Approval for Teacher Education Program.*

Full Course (4)

- 291. SUPERVISED TEACHING IN ELEMENTARY SCHOOL.** A continuation of Education 290.

Full Course (4)

- 292. SUPERVISED TEACHING IN ELEMENTARY SCHOOL.** A continuation of Education 291.

Full Course (4)

- 293. SUPERVISED TEACHING: PRESCHOOL.** The student is required to complete a minimum of 180 hours of supervised teaching in a three-quarter sequence to fulfill requirements for the credential in early childhood teaching. Teaching experience at three levels (preschool, kindergarten, grade 1, and grades 2 or 3) is required. Students are supervised by college faculty in their teaching assignments. *Prerequisite: Admission to Early Childhood Studies Program.*

Full Course (4)

- 297. SEMINAR IN STUDENT TEACHING IN ELEMENTARY SCHOOL.** Weekly seminar meetings with faculty supervisors. *Required for all elementary student teachers; taken concurrently with Education 291 and 292. Repeated once for credit.*

One-Half Course (2) \*

\* Repeatable Course.

*Graduate Professional*

*Enrollment in all professional Education courses requires the prior approval of the Dean, Teacher Education.*

- 331. THE TEACHING OF READING IN SECONDARY SCHOOL.** Principles, methods and materials for teaching reading in secondary schools; remediation and acceleration techniques; reading skills involved in subject matter areas; individualized reading, multi-media, library programs and innovative practices.

Full Course (4)

- 380. METHODS AND MATERIALS IN SECONDARY EDUCATION.** Preparation for supervised teaching in both the departmental and interdepartmental fields of emphasis. *Three hours of lecture-discussion and two hours of workshop activity per week.*

Full Course (4)

- 390. SUPERVISED TEACHING IN THE SECONDARY SCHOOL.** The student is required to complete a minimum of 160 hours of supervised teaching in a three-quarter sequence. The supervised teaching will be arranged in conjunction with scheduled observations of outstanding teachers. All students are required to attend a weekly seminar with faculty supervisors and supervising teachers.

Full Course (4)

- 391. SUPERVISED TEACHING IN THE SECONDARY SCHOOL.** A continuation of Education 390.

Full Course (4)

- 392. SUPERVISED TEACHING IN THE SECONDARY SCHOOL.** A continuation of Education 391.

Full Course (4)

- 397. SEMINAR IN STUDENT TEACHING IN SECONDARY SCHOOL.** Weekly meetings with faculty supervisors and supervising teachers. *Required for secondary student teachers. Taken concurrently with Education 390-391-392. Repeated twice for credit.*

One-Half Course (2) \*

*Graduate*

*Graduate standing or consent of the Dean is prerequisite to enrollment in the following courses.*

- 400. SEMINAR: THE CRITIQUE AND ANALYSIS OF RESEARCH IN EDUCATION.**

Considerations of assumptions and techniques of educational research ranging from the theoretical to the empirical. Review of pertinent research studies in emphasizing their applicability to general and specific educational problems. Analysis of statistical concepts. Preview of sources of educational research.

Full Course (4)

- 401. EVALUATION AND PROGRAM MONITORING IN EARLY CHILDHOOD EDUCATION.** Designed to prepare students to apply theories and models of evaluation in Early Childhood Education. On-site experiences, provide opportunity to apply formative and summative evaluation procedures in monitoring Early Childhood programs. *Prerequisite: Education 422 or consent of instructor.*

Full Course (4)

- 410. SEMINAR IN INSTRUCTIONAL TECHNOLOGY.** Prepares student 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.

Full Course (4)

\* Repeatable Course.

- 411. EDUCATIONAL COMMUNICATIONS MEDIA: THEORY AND PRACTICE.** Examination of the socio-psychological research in communications media and implications for education. Design and production of media and materials for classroom utilization to achieve instructional objectives. *Prerequisite: Education 410.*  
Full Course (4)
- 420. THE PROCESS OF CURRICULUM DEVELOPMENT.** A course designed to review contemporary developments in curriculum theory and practice, to provide experience in development of units of instruction, to develop criteria for evaluating published curriculum materials. *Prerequisite: Basic teaching credential, or consent of instructor.*  
Full Course (4)
- 421. SEMINAR: THE PROCESS OF CURRICULUM DEVELOPMENT.** Development of curriculum proposals applicable to local districts and problems; development and defense of total curriculum proposal related to major educational problem or to local district need; critique of curriculum proposals of other seminar members. *Prerequisites: Education 420; admission to candidacy for the master's degree in the Graduate Institute of Education.*  
Full Course (4)
- 422. SEMINAR: CURRICULUM DEVELOPMENT FOR EARLY CHILDHOOD EDUCATION.** Introduces four representative Early Childhood curricula, presents curriculum theory and guides students in the development and implementation of Early Childhood curriculum within an early childhood setting. *Prerequisite: Consent of instructor.*  
Full Course (4)
- 430. THE TEACHING OF ENGLISH AS A SECOND LANGUAGE.** Issues and problems, techniques, procedures and materials for teaching the dominant language (standard English) to the bilingual and to the bidialectal. *Prerequisite: English 210 or English 219, or consent of instructor.*  
Full Course (4)
- 431. SEMINAR IN READING: DIAGNOSIS AND REMEDIATION.** Survey of reading programs for children with special learning needs; determine techniques and procedures for appraising reading proficiency; discuss the theoretical and practical consideration of the causes of reading disability; know some classroom techniques and materials for individual diagnosis. *Prerequisites: Education 230 or 331.*  
Full Course (4)
- 440. CHILDREN'S LITERATURE.** Survey of available children's literature for prescriptive reading designations and the enjoyment and appreciation of children's literature.  
Full Course (4)
- 445. EUROPEAN EDUCATIONAL SYSTEMS.** Present educational policies and practices in selected European countries, with particular reference to historical, political, social and philosophical forces shaping their cultures. Analysis of similarities and contrasts among the American and the European educational systems.  
Full Course (4)
- 446. EDUCATION AND CULTURE IN THE DEVELOPING NATIONS.** The educational systems of selected developing nations in Africa, Asia, and South America. Analysis and evaluation of problems of socio-economic development and education. Special emphasis on factors causing change and progress in education after 1945. Evaluation of significant innovations which may have utility in the United States; assessment of European and American contributions.  
Full Course (4) \*

\* Repeatable Course.

**450. EDUCATION AND HUMAN DEVELOPMENT.** A course designed to familiarize students with empirical studies of human development which have special relevance to educational practice. Emphasis on studies of the normal range of human development. Examination of major studies for their implications for teaching. Review of methods of research. *Prerequisite: Introductory course in developmental psychology, child psychology, or consent of instructor. Teaching experience desirable.*

Full Course (4)

**451. SEMINAR: BIO-PSYCHOLOGICAL ISSUES IN LEARNING AND DEVELOPMENT.** Theories, basic assumptions, research related to the learner and the learning process; emphasis on biological and psychological factors in individual differences; relevant factors in cognitive and affective development.

Full Course (4)

**453. SEMINAR IN IDENTIFICATION AND STUDY OF PUPIL DIFFERENCES.** The intensive study of pupil variation and search for special pupil abilities and needs within classroom groups. Educational planning based on identified needs of individual pupils.

Full Course (4)

**454. SEMINAR: DIAGNOSIS, PRESCRIPTION AND BEHAVIOR MODIFICATION IN EARLY CHILDHOOD.** Designed to teach students to diagnose learning and behavioral problems and to prescribe and implement ameliorative procedures with emphasis on the techniques of behavior modification.

Full Course (4)

**455. SEMINAR: SOCIO-CULTURAL ASPECTS OF LEARNING AND DEVELOPMENT.** Examines the total process of socialization and the effects of cultural determinants upon individual growth, development and patterns of learning. Considers the school as an agent of socialization and mediator of culturally determined drives and values.

Full Course (4)

**460. PSYCHOLOGY AND EDUCATION OF THE GIFTED.** The study of research on the gifted and its implications for curriculum planning. Analysis of problems in planning related to school structure, work with school personnel, parents, and the community. Specific curriculum changes.

Full Course (4)

**461. SEMINAR IN CURRICULUM PLANNING FOR THE GIFTED.** *An extension of Education 460.* Both historical and current studies by students of curriculum movements planned especially for the gifted, and of the writings of curriculum experts past and present. Studies to form a basis of intensive curriculum development in a given topical field. *Prerequisite: Education 460 or equivalent.*

Full Course (4)

**466. INTRODUCTION TO EXCEPTIONALITY.** Review of the field of exceptionality including current criteria for classification into various categories. Critique and analysis of current exemplary educational strategies for each category.

Full Course (4)

**467. MANAGING CLASSROOM BEHAVIOR OF THE EDUCATIONALLY HANDICAPPED.** Review of research-based techniques in dealing with frequently occurring classroom behavioral problems. Emphasis on analysis of individual problem behaviors and implementation of systematic change procedures appropriate to the behavioral disorder. Techniques for involving parents, peers, and tutors.

Full Course (4)

## Education

- 468. DIAGNOSIS AND PRESCRIPTION FOR THE EDUCATIONALLY HANDICAPPED.** Practice in the construction and use of diagnostic instruments for the educationally handicapped. Demonstration of ability to make valid instructional decisions based on diagnosis.

Full Course (4)

- 469. CURRICULUM DEVELOPMENT FOR THE EDUCATIONALLY HANDICAPPED.** Diagnosis of learning disorders for categories of EH children; assembly and/or development of curriculum materials suitable for each learning disability. Review of exemplary curriculum programs.

Full Course (4)

- 470. THE EDUCATION OF DISADVANTAGED LEARNERS.** Examination of the nature of socio-cultural disadvantage in learning; review of contemporary theory and research regarding children from a variety of backgrounds who often do not succeed in school; examination of current programs of compensatory, remedial, preventive and enrichment education for such learners.

Full Course (4)

- 471. PRACTICUM IN TEACHING THE DISADVANTAGED.** Provides classroom experience in working with disadvantaged learners in a variety of programs. Includes opportunity to evaluate critically new text and instructional materials and to become acquainted with resources for programs. *Prerequisite: Education 470.*

Full Course (4)

- 475. SELF-DEVELOPMENT OF THE TEACHER.** Study of theories and practices recommended for personal development. Field studies and critical appraisals of non-school programs for development of imagination and creativity in the adult years.

Full Course (4)

- 476. SEMINAR: ISSUES IN EDUCATION.** Identification of significant and persistent issues in education preparing students to analyze contemporary issues in education, to evaluate policy statements and published opinions with an awareness of elements involved.

One-Half Course (2) \*

- 477. SEMINAR IN THE DEVELOPMENT AND TRAINING OF SCHOOL AND COMMUNITY PERSONNEL: EMPHASIS ON EARLY CHILDHOOD.** Training needs assessments, specification of required competencies, development of procedures and materials to be utilized in achieving training goals. Group process skills as a means of effective personnel development. On-site in early childhood facility.

Full Course (4)

- 478. SEMINAR: ORGANIZATION AND SUPERVISION IN EARLY CHILDHOOD EDUCATION.** Formulation of plans for the organization and implementation of an early childhood educational program. Selecting facilities and equipment, recruiting personnel, recruiting children, and working with advisory council.

Full Course (4)

- 479. SEMINAR IN EARLY CHILDHOOD ADMINISTRATION AND FINANCE.** Designed to prepare students for administrative roles. Management, legal responsibilities, community services, budgeting and finance.

Full Course (4)

- 480. SEMINAR IN SUPERVISION OF TEACHING.** A weekly seminar in preparation for supervision of candidates for teaching credentials. *Prerequisite: Invitation of Director of Teacher Education Programs only.*

One-Half Course (2)

\* Repeatable Course.

**482. PHILOSOPHIES OF EDUCATION.** Identifies and surveys the major traditional and modern philosophical positions as they relate to education; examines the educational theories which derive from them; and considers certain educational practices in the light of the educational theories by which these are justified.

Full Course (4)

**484. SEMINAR: ADVANCED SOCIOLOGY OF EDUCATION.** Analysis of social interaction within the school and between the school and society. Special attention to the problems of urban education. *Prerequisite: Education 455 or equivalent.*

Full Course (4)

**485. SEMINAR: ADVANCED PHILOSOPHY OF EDUCATION.** Investigation in depth of the various branches of philosophy as they pertain to educational theory. Examination of the implications for education of metaphysical, epistemological and axiological theories. *Prerequisite: Education 482 or equivalent.*

Full Course (4)

**497. INTERNSHIP IN EARLY CHILDHOOD ADMINISTRATION OF CURRICULUM.** An extensive internship in an early childhood facility, requiring demonstration of performance competencies in lieu of thesis requirements for the master's degree. Students may elect either curriculum development or administrative roles.

Full Course (4)

**498. INDEPENDENT STUDY: SOCIAL OR PHILOSOPHICAL FOUNDATIONS.** *Prerequisite: Consent of instructor.*

One-Half (2) or Full Course (4)

**499. THESIS.** An individually planned research effort or a creative project of comparable quality. Students work under individual supervision with assigned faculty.

(4 to 9 units)

## ENGLISH

### B.A. DEGREE REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ENGLISH

#### *Lower Division*

- A. Required Courses  
English 190-191-192. British Literature I, II, III
- B. English 130 is a recommended elective.

#### *Upper Division*

- A. Seven courses, of which one must be in a literary period prior to 1800:
  - One in American literature (except 296);
  - One in world literature;
  - Five other courses
- B. One of the following:
  - English 210. The Study of Language
  - English 213. History of the English Language
  - English 214. English Syntax
- C. One of the following:
  - English 295. Seminar in Special Topics in British Literature *or*
  - English 296. Seminar in Special Topics in American Literature

### REQUIREMENTS FOR THE MINOR IN ENGLISH

A student may fulfill an English minor by completing 24 units in upper division English courses.

### REQUIREMENTS FOR THE MASTER OF ARTS DEGREE IN ENGLISH

The program leading to the Master of Arts degree in English is conceived as a full-year (four-quarter) sequence. Opportunities for concentration in English language and literature, American literature, or creative writing exist in a flexible curriculum. A Comprehensive Examination is required of all Master of Arts candidates in English.

1. In applying for admission to the graduate degree program in English, the student should have a transcript of all undergraduate and graduate work sent directly to the department, in addition to the transcripts that are sent to the college Office of Admissions. To be admitted to classified status, the Graduate Record Examination is required.
2. A reading knowledge of at least one foreign language is a valuable research and teaching tool. While a formal foreign language requirement is not part of this program, those planning to pursue a Ph.D. in English will eventually be held responsible for reading ability in two or three foreign languages.
3. Course work must represent reasonable and intelligent distribution among periods and major writers. No more than 12 units selected from upper division undergraduate offerings in English may count toward the Master's degree in English. Each student's program must be approved by a faculty adviser and must also satisfy the all-college policies applicable to Master of Arts degrees. (See page 53.)

4. A knowledge of the history or structure of English is required. This requirement may be satisfied by: (1) successful completion of English 213 or 214 or equivalents, or (2) passing an examination in the history or structure of English.

## COURSE OFFERINGS IN ENGLISH

### *Lower Division*

- 100. ORAL AND WRITTEN EXPRESSION I.** Basic language skills and techniques of composition. Papers regularly required.  
Full Course (4)
- 101. ORAL AND WRITTEN EXPRESSION II.** Techniques of composition with emphasis on research. *Prerequisite: English 100.*  
Full Course (4)
- 111. THE DEVICES OF PERSUASION.** How to identify the devices of persuasion in written or oral discourse and practice in the use of such devices in speaking and in writing.  
*Four hours per week.*  
One-Half Course (2)
- 121. THEATRE PRACTICUM.** An activity course in the scenic and technical arts and crafts of the theatre for both the general student and the prospective inter-departmental major in Theatre Arts. Participation in the mounting and management of major college theatrical productions. *Four hours per week plus additional hours to be arranged.*  
One-Half Course (2) \*
- 125. FIELD STUDY IN DRAMA.** Guided observation and analysis of rehearsal, staging, and production of dramatic performances in educational and community theaters, repertory groups, and the professional theater, including motion picture and television. *One hour of lecture and three hours in the field per week.*  
One-Half Course (2)
- 130. MODERN FICTION.** Lectures and discussions on selected aspects of modern (post-Industrial Revolution) fiction. Designed primarily for non-majors seeking to widen their knowledge of literature.  
Full Course (4)
- 190. BRITISH LITERATURE I.** Study of selected major works from *Beowulf* to 1640.  
Full Course (4)
- 191. BRITISH LITERATURE II.** Study of selected major works from 1640 to 1832.  
Full Course (4)
- 192. BRITISH LITERATURE III.** Study of selected major works from 1832 to the present.  
Full Course (4)
- 195. INTRODUCTION TO THEATRE ARTS.** Highlights of dramatic literature and theatre history studied through books and slides as well as through attendance at college and local productions. Analysis of aesthetic elements such as acting, directing, scenery designing, lighting, and costuming.  
Full Course (4)

\* Repeatable Course.

*Upper Division*

*English 101 or equivalent is a prerequisite to all upper-division courses in English, except English 220.*

**210. THE STUDY OF LANGUAGE.** Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as French 210 and Spanish 210.)

Full Course (4)

**211. PHONOLOGY.** 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.

Full Course (4)

**212. PHONOLOGICAL ANALYSIS.** Descriptive analysis of phonological structures. *Prerequisite: English 211.*

Full Course (4)

**213. HISTORY OF THE ENGLISH LANGUAGE.** The evolution of English from its Indo-European origins.

Full Course (4)

**214. ENGLISH SYNTAX.** English syntax approached through a generative-transformational model.

Full Course (4)

**215. THE HISTORY OF LINGUISTIC SCIENCE.** The historical context for consideration of current theories in linguistics. *Prerequisite: Two courses in linguistics.*

Full Course (4)

**216. SYNTACTIC ANALYSIS.** Descriptive analysis of grammatical structures. *Prerequisite: English 214.*

Full Course (4)

**217. SOCIOLINGUISTICS: BLACK ENGLISH AND READING.** Instruction to enable teachers of reading to discriminate between reading errors and dialectal variations of speakers of Black dialect. Remediation techniques for non-dialectal reading errors; survey of available literature on sociolinguistics and reading. *Prerequisite: Education 230, English 294, or consent of instructor.*

Full Course (4)

**218. INTRODUCTION TO HISTORICAL LINGUISTICS.** The methods and theories appropriate to the historical study of language. *Prerequisite: English 211.*

Full Course (4)

**219. PSYCHOLINGUISTICS.** An examination of psycholinguistic theory and research, with a survey of the historical background of current issues in the field; detailed examination of transformational theory and its psychological implications; recent experiments on speech perception, production and comprehension; the acquisition of language by children. *Prerequisite: English 214 or consent of instructor.*

Full Course (4)

**220. DRAMA WORKSHOP.** A laboratory course for upper division students with previous theatre experience. Emphasis on extending the range of participants' experiences in a variety of theatrical styles and assignments. Participation in one or more productions each quarter. *Three hours per week plus additional hours to be arranged.*

One-Half Course (2) \*

**221. ACTING.** Fundamentals of the actor's art, including scene work, improvisation, theatre games, mime, and voice.

Full Course (4) \*

\* Repeatable course.

- 223. DIRECTING.** Theory and practice of staging plays. Students direct scenes and short plays, with the possibility of public presentation on campus. *Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 230. READINGS IN BRITISH LITERATURE: NON-DRAMATIC POETRY.** Intensive study of selected major writers and periods. *Prerequisite: English 192 or equivalent, or consent of instructor.*  
Full Course (4)
- 231. READINGS IN BRITISH LITERATURE: DRAMA AND PROSE.** Intensive study of selected major writers and periods. *Prerequisite: English 192 or equivalent, or consent of instructor. English 192 and 231 may be taken separately and in either order.*  
Full Course (4)
- 235. READINGS IN WORLD LITERATURE.** Intensive study of selected major writers from the world's literature, read in translation. *Prerequisite: Any course in literature or consent of instructor.*  
Full Course (4)
- 238. LITERATURE OF CHINA AND JAPAN.** Study of selected works in translation from the classical and modern periods of Chinese and Japanese literature.  
Full Course (4)
- 240. AMERICAN LITERATURE I.** Intensive study of selected American works of fiction in relation to the culture which produced them and which they reflect. *Prerequisite: English 130 or equivalent, or consent of instructor.*  
Full Course (4)
- 241. AMERICAN LITERATURE II.** Intensive study of selected American works of poetry and non-fiction in relation to the culture which produced them and which they reflect. *English 240 and 241 may be taken separately and in either order. Prerequisite: Any course in literature or consent of instructor.*  
Full Course (4)
- 242. AFRO-AMERICAN DRAMA.** Survey of major twentieth century Afro-American and African plays. Focus on drama as a medium in forming particular aspects and textures of the Black experience and in presenting the human dilemmas confronting Blacks in the modern world.  
Full Course (4)
- 243. AFRO-AMERICAN POETRY.** A study and analysis of the historical development of Black poetry in Africa and the New World. A comparison of poems from the diaspora of the New World with the colonial situation of Africa. Special emphasis on contemporary poets.  
Full Course (4)
- 244. AFRO-AMERICAN PROSE.** A study of selected Afro-American works of fiction and non-fiction.  
Full Course (4)
- 245. LITERARY CRITICISM.** Exploration of major critical systems for the judgment of literary works. Exercises in practical criticism. *Prerequisite: English 230, 235, or equivalents.*  
Full Course (4)
- 246. DRAMATIC THEORY AND CRITICISM.** Analysis of dramatic theory and criticism from Aristotle to the present. *Prerequisite: Senior standing and at least one previous course in dramatic literature.*  
Full Course (4)

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\* Repeatable Course.

## English

- 250. ADVANCED COMPOSITION.** Advanced practice in expository writing.  
Full Course (4)
- 251. CREATIVE WRITING.** Practice in various forms of imaginative writing, with emphasis each quarter on one style: fiction, poetry, or playwriting. *Consult Class Schedule for specific genre(s) to be covered each quarter. Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 261. HISTORY OF THE THEATRE I.** Development of the theatre from ancient times through the sixteenth century, studied in relation to the cultural environment.  
Full Course (4)
- 262. HISTORY OF THE THEATRE II.** Development of the theatre from the seventeenth century to the mid-nineteenth century, studied in relation to the cultural environment.  
*Prerequisite: English 261.*  
Full Course (4)
- 264. WORLD DRAMA IN TRANSLATION.** Survey of major dramatic works from classical Greece to the modern period, including the Orient. Includes such writers as Sophocles, Plautus, Lope de Vega, Moliere, Goethe, Kalidasa, and Chikamatsu. *Prerequisite: English 130 or equivalent, or consent of instructor.*  
Full Course (4)
- 265. DEVELOPMENT OF THE ENGLISH DRAMA.** Survey of major English dramatists (excluding Shakespeare) from the beginnings (ca. 1550) through the eighteenth century. Includes such playwrights as Marlowe, Jonson, Beaumont and Fletcher, Webster, Congreve, Dryden, Lillo, Steele, Goldsmith, and Sheridan. *Prerequisite: At least one previous course in dramatic literature.*  
Full Course (4)
- 267. SHAKESPEARE.** Selected comedies, histories, and tragedies. *Prerequisite: English 191 or consent of instructor.*  
Full Course (4)
- 269. MODERN THEATRE.** The major movements and trends in drama and theatre from Ibsen to the present. Considers realism, naturalism, expressionism, symbolism, theatricalism, and absurdism. *Prerequisite: Any course in literature or consent of instructor.*  
Full Course (4)
- 270. TWENTIETH CENTURY EXPERIMENTS IN LITERARY FORM.** Explorations of relations between form and matter in literary works through intensive study of some of the experimental writing of this century.  
Full Course (4)
- 275. MODERN SOCIAL AND POLITICAL FICTION.** Selected fiction concerned with social and political ideals, movements, and conditions. Works from the nineteenth and twentieth centuries, both American and European, considered. *Prerequisite: English 130 or equivalent, or consent of instructor.*  
Full Course (4)
- 280. STYLISTICS.** An investigation of style in empirical terms, bringing contemporary linguistic analysis to bear on the aesthetics of English narrative and expository prose. *Prerequisite: English 210 or consent of instructor.*  
Full Course (4)
- 293. SEMINAR: SPECIAL TOPICS IN LITERARY STUDY.** An intensive investigation of a topic, a movement, a genre, or group of related themes revolving about problems in literary historiography, literary aesthetics, literary influence, and comparative literary study. *Prerequisite: Senior standing and consent of instructor.*  
Full Course (4) \*

\* Repeatable Course.

- 294. SEMINAR: SPECIAL TOPICS IN LINGUISTICS.** An intensive investigation of a topic or group of related topics of special interest to students and instructor. May vary from the study of a single earlier period of a language to the consideration of a "school" of linguists or the investigation of local dialects. *Prerequisite: Consent of instructor.*

Full Course (4) \*

- 295. SEMINAR IN SPECIAL TOPICS IN BRITISH LITERATURE.** Intensive study of a single author (e.g., Chaucer, Milton, T. S. Eliot), a single period (e.g., the Renaissance, the Age of Reason), or a literary genre (e.g., satire, the epic). *Prerequisite: Senior standing and consent of instructor.*

Full Course (4) \*

- 296. SEMINAR IN SPECIAL TOPICS IN AMERICAN LITERATURE.** Intensive study of a single author (e.g., Whitman, Melville, Faulkner), a single period (e.g., The American Renaissance, Twentieth Century), or a literary movement (e.g., naturalism, transcendentalism). *Prerequisite: Senior standing and consent of instructor.*

Full Course (4) \*

- 298. INDEPENDENT STUDY.** In consultation with a faculty member, extensive reading in some area or a project involving original research or creative writing. *Arrangements must be made a quarter in advance of registration. Prerequisite: Consent of instructor.*

Full Course (4) \*

### Graduate

*Graduate standing and consent of the department head is prerequisite to enrollment in the following courses.*

- 410. BIBLIOGRAPHY.** The tools and methods of literary research.

Full Course (4)

- 430. SEMINAR: STUDIES IN MEDIEVAL LITERATURE.** An introductory study of major works in English literature before 1500, with some attention to important continental analogues and critical methodology. Majority of the texts read in translation.

Full Course (4) \*

- 434. SEMINAR: STUDIES IN RENAISSANCE LITERATURE (1500-1603).** Aspects of English Renaissance literature within a framework of significant continental achievements, such as those of Erasmus, Ariosto, Castiglione, Machiavelli, Tasso, and others.

Full Course (4) \*

- 437. SEMINAR: STUDIES IN LATE RENAISSANCE LITERATURE (1603-1660).** 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.

Full Course (4) \*

- 440. SEMINAR: STUDIES IN NEO-CLASSIC LITERATURE (1660-1798).** Selected studies in Restoration dramatic and non-dramatic literature, and Neo-classical writing in the age of Dryden, Swift, Addison, Steele, Defoe, Pope, Johnson, Richardson, Fielding, and Sterne.

Full Course (4) \*

- 443. SEMINAR: STUDIES IN ROMANTIC LITERATURE (1798-1832).** Selected studies in the Romantic movement in English literature up to the death of Scott, including such precursors as Burns and Blake.

Full Course (4) \*

\* Repeatable Course.

## English

- 445. LITERARY CRITICISM.** Intensive study of a major school of literary criticism: Formalist, Freudian, Mythological, Structuralist, or another school of literary criticism chosen by the instructor. *Prerequisite: English 245 or equivalent and consent of instructor.*  
Full Course (4) \*
- 446. SEMINAR: STUDIES IN VICTORIAN LITERATURE (1832-1901).** 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.  
Full Course (4) \*
- 449. SEMINAR: STUDIES IN MODERN BRITISH LITERATURE.** 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.  
Full Course (4) \*
- 452. SEMINAR: STUDIES IN AMERICAN LITERATURE (1836-1917).** Selected study of major American writing from the Renaissance to the First World War.  
Full Course (4) \*
- 455. SEMINAR: STUDIES IN AMERICAN LITERATURE, THE MODERN PERIOD.** Study of selected American authors and their works since the Lost Generation.  
Full Course (4) \*
- 491. SEMINAR: SPECIAL TOPICS IN BRITISH LITERATURE.** Intensive study of a single author, period, or literary genre. *Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 493. SEMINAR: SPECIAL TOPICS IN AMERICAN LITERATURE.** Intensive study of a single author, period, or literary genre. *Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 494. SEMINAR: TOPICS IN LINGUISTIC THEORY.** Advanced topics in phonological, syntactic, or historical-comparative theory, the topic varying from quarter to quarter. *Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 497. DIRECTED READING.** Extensive reading in selected areas under the guidance of a faculty member. *Prerequisite: Consent of instructor.*  
One-Fourth Course (1)
- 498. INDEPENDENT STUDY.** In consultation with a faculty member, the student will investigate in detail current scholarship in some area, or will undertake a project involving original research or creative writing. *Prerequisite: Consent of Departmental Independent Studies Coordinator and instructor.*  
Full Course (4)
- 499. THESIS.** A thesis or special project required of candidates in Plan 2. *Prerequisite: Admission to program prior to Winter Quarter, 1973.*  
2-9 Units

\* Repeatable Course

## THE FOUNDATIONS OF NATURAL SCIENCE

### An Interdepartmental Field of Concentration

The interdepartmental field in the Foundations of Natural Science is intended both for students whose departmental field is in the School of Natural Sciences and Mathematics and for students whose departmental field is in one of the other schools. The program includes in-depth course work in one or more areas of the natural sciences and consideration of science from the historical and philosophical viewpoints.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN THE FOUNDATIONS OF NATURAL SCIENCE

- A. Five courses, approved by the interdepartmental adviser, from the departments of Biology, Chemistry, Mathematics, and Physics. No more than three may be lower division courses. A maximum of one course offered by the student's major department may be used, provided it is neither required nor prerequisite to the major. No course may be used to satisfy both General Education requirements and Foundations of Natural Science requirements. Courses listed under B may not be used for requirement A.
- B. One course selected from the following:  
Chemistry 286. American Science and Technology  
Philosophy 230. The Nature of Scientific and Humanistic Inquiry  
Physics 206. Modern Physics: Its Impact on Twentieth Century Thought  
Psychology 205. History and Systems of Psychology
- C. History 280. History of Science  
Philosophy 252. Philosophy of Natural Science
- D. The senior seminar in this field.

*A minor in Foundations of Natural Science is being considered; please consult designated faculty adviser for details.*

### COURSE OFFERING

#### *Upper Division*

- 290. SEMINAR IN THE FOUNDATION OF NATURAL SCIENCE.** *Prerequisite: Senior standing in this interdepartmental field, or consent of instructor.*  
Full Course (4)

## FRENCH <sup>1</sup>

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN FRENCH

#### *Lower Division*

- French 110-111-112. First, Second, and Third Quarter French  
French 120-121. Fourth, and Fifth Quarter French

NOTE: Students who have completed two, three, or four years of high school French and who pass a proficiency test will be placed in the appropriate quarter of college French. Consult a departmental adviser for details.

#### *Upper Division*

- French 210. The Study of Language  
French 211. The Structure of French  
French 230. Techniques of Literary Study I  
French 231. Techniques of Literary Study II  
French 232. Explication de Textes  
French 250. French Culture I  
French 251. French Culture II  
French 295. Seminar in Special Topics in French Literature  
Plus one elective from the upper division offerings in French.  
*Students planning to acquire a teaching credential must take French 270.*

### REQUIREMENTS FOR THE MINOR IN FRENCH

#### A. Required Courses:

- French 121. Fifth-Quarter French or equivalent  
French 205. Advanced Composition, Syntax, and Stylistics *or*  
French 211. The Structure of French  
French 210. The Study of Language  
French 230. Techniques of Literary Study I *or*  
French 231. Techniques of Literary Study II  
French 250. French Culture I *or*  
French 251. French Culture II

- B. Plus one elective selected from the list of upper division offerings in French (including French 280). *Candidates for a teaching credential must take French 270.*

### COURSE OFFERINGS IN FRENCH

All courses, except 210, 270, and 280 are conducted in French.

#### *Lower Division*

- 110. FIRST-QUARTER FRENCH.** Basic instruction in French. Training in speaking, listening, reading, and writing for students who have had no previous work in French.

Full Course (4)

- 111. SECOND-QUARTER FRENCH.** A continuation of French 110. *Prerequisite:* French 110 or a satisfactory score on a placement test.

Full Course (4)

<sup>1</sup> Students interested in studying foreign languages abroad should consult page 22.

- 112. THIRD-QUARTER FRENCH.** A continuation of French 111. *Prerequisite: French 111 or a satisfactory score on a placement test.*

Full Course (4)

- 120. FOURTH-QUARTER FRENCH.** A continuation of French 112. *Prerequisite: French 112 or a satisfactory score on a placement test.*

Full Course (4)

- 121. FIFTH-QUARTER FRENCH.** A continuation of French 120, with emphasis on oral communication skills. *Prerequisite: French 120 or a satisfactory score on a placement test.*

Full Course (4)

### *Upper Division*

- 205. ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS.** A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. *Prerequisite: French 121 or equivalent.*

Full Course (4)

- 210. THE STUDY OF LANGUAGE.** Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as English 210 and Spanish 210.)

Full Course (4)

- 211. THE STRUCTURE OF FRENCH.** A linguistic analysis of the phonological and syntactic systems of the French language. *Prerequisite: French 210.*

Full Course (4)

- 230. TECHNIQUES OF LITERARY STUDY I.** Basic principles and techniques used in studying works of French literature. *French 230 and 231 may be taken separately and in either order. Prerequisite: French 121 or equivalent.*

Full Course (4)

- 231. TECHNIQUES OF LITERARY STUDY II.** Principles and techniques used in studying works of French literature. *French 230 and 231 may be taken separately and in either order. Prerequisite: French 121 or equivalent.*

Full Course (4)

- 232. EXPLICATION DE TEXTES.** Practice in the explication of literary texts selected from French writers. *Prerequisite: French 230 or 231.*

Full Course (4)

- 250. FRENCH CULTURE I.** An area studies course focusing on patterns of French civilization and culture. *French 250 and 251 may be taken separately and in either order. Prerequisite: French 121 or equivalent.*

Full Course (4)

- 251. FRENCH CULTURE II.** An area studies course focusing on patterns of modern French civilization and culture. *French 250 and 251 may be taken separately and in either order. Prerequisite: French 121 or equivalent.*

Full Course (4)

- 252. HISTORY OF FRENCH LITERATURE I.** A study of the history and development of French literature from the Middle Ages to Classicism. *Prerequisite: French 121 or equivalent.*

Full Course (4)

## French

**253. HISTORY OF FRENCH LITERATURE II.** A study of the history and development of French literature from the eighteenth century through modern times. *French 252 and 253 may be taken separately and in either order. Prerequisite: French 121 or equivalent.*

Full Course (4)

**270. THE TEACHING OF FRENCH AS A LIVING LANGUAGE.** A theoretical and practical course in methodology and classroom learning techniques for foreign language teachers of grades 4 through 12, with emphasis on secondary level. *A recommended course for credential candidates. Prerequisite: A functional knowledge of French and/or consent of the instructor.*

Full Course (4)

**280. TWENTIETH CENTURY FRENCH LITERATURE IN TRANSLATION.** Study of selected works by significant writers: novels, poetry, drama, essays, criticism, screenplays. *Prerequisite: Upper division standing.*

Full course (4)

**295. SEMINAR IN SPECIAL TOPICS IN FRENCH LITERATURE.** Intensive study of a single author (e.g., Racine Zola, Valery), a literary movement (e.g., Romanticism, Existentialism), a literary genre (e.g., theater, poems en prose) or a single work (e.g., *Madame Bovary, La Jeune Parque*). *Prerequisite: French 232 or consent of instructor.*

Full Course (4) \*

**298. INDEPENDENT STUDY.** Independent study of a literary or linguistic problem, author, or movement. *Prerequisite: B average in French, upper division standing, and consent of instructor and department chairman.*

Full Course (4) \*

\* Repeatable Course.

## GEOGRAPHY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN GEOGRAPHY

#### *Lower Division*

- Geography 111. Cultural Geography
- Geography 112. Physical Geography
- Mathematics 150. Elementary Statistics and Probability

#### *Upper Division*

Nine full courses (36 quarter units) are required. Specializations may be arranged in environmental, economic, political, urban, cultural, physical, and biological geography.

- A. Seven courses, of which one four-unit course must be selected from each of the following categories (20 units):

##### *Environmental*

- Geography 220. Natural Resources
- Geography 222. Contemporary Environmental Problems
- Geography 224. Population and the Environment
- Geography 252. Environmental Perception

##### *Physical*

- Geography 210. Principles of Geomorphology
- Geography 215. Weather
- Geography 216. World Climate

##### *Regional*

- Geography 219. The California Landscape
- Geography 260. Geography of the United States and Canada
- Geography 262. Modern Africa
- Geography 264. Geography of Latin America
- Geography 270. Geography of East Asia

##### *Systematic*

- Geography 225. Economic Geography
- Geography 226. Localization of Manufacturing
- Geography 235. Urban Geography
- Geography 246. Political Geography

##### *Methodology*

- Geography 206. Quantitative Models and Map Analysis
- Geography 290. Contemporary Geographic Inquiry

- B. Required courses:

- Geography 205. Cartography
- Geography 291. Senior Seminar in Geography

### REQUIREMENTS FOR THE MINOR IN GEOGRAPHY

Six courses (24 units) of upper division geography courses. No more than three courses from one category, such as environmental, physical, regional, systematic, or methodology, may be counted toward the minor.

COURSE OFFERINGS IN GEOGRAPHY

*Lower Division*

- 100. ELEMENTS OF GEOGRAPHY.** Distribution of human habitats in terms of constraints and opportunities. Focuses on the dynamic spatial interactions of humans, other life forms, and the earth, in the more difficult habitats.

Full Course (4)

- 111. CULTURAL GEOGRAPHY.** Origin and diffusion of man and his major achievements: agriculture, urbanization, social organization, industrialization. Patterns of world social organization today; communications; economic, political interaction. *Three hours of lecture and two hours of laboratory per week.*

Full Course (4)

- 112. PHYSICAL GEOGRAPHY.** Basic physical elements of geography; lithosphere, hydrosphere, atmosphere, and biosphere. Introduction to the major physical components of the environment and their interrelationships and distributions on a world scale.

Full Course (4)

- 119. GRAPHICS.** The theory and practice of presenting factual data in graphic form; construction of charts, graphs, symbols, and areal distribution maps used in business, economics, education, geography, government, planning, and sociology. *Four hours of laboratory per week.*

One-Half Course (2)

- 150. FIELD STUDY IN GEOGRAPHY.** A series of conducted trips to selected areas for study of the inter-relation of natural environment and human activities. *One hour of classroom preparation per week, with field work by arrangement.*

One-Half Course (2) \*

*Upper Division*

- 205. CARTOGRAPHY.** Introduction to map compilation; lettering; symbolization of point, line, and areal data; landform depiction; construction of map projections; and preparation for photographic reproduction by scribing. *Two hours of classroom and six hours of laboratory work per week.*

Full Course (4)

- 206. QUANTITATIVE MODELS AND MAP ANALYSIS.** A comparison of statistical techniques and mapping techniques in the analysis of locational problems; includes the application of quantitative analysis in mapping. *Three hours of classroom and two hours of laboratory work per week. Prerequisite: Mathematics 150 and Geography 110.*

Full Course (4)

- 208. MAP AND AERIAL PHOTOGRAPH INTERPRETATION.** Study of maps of urban and rural features, land use, vegetation, geology, and other area phenomena. Interpretation and use of aerial photographs. Includes some directed field study and requires a special report. *One hour of lecture and three hours of laboratory per week.*

One-Half Course (2)

\* Repeatable Course.

**210. PRINCIPLES OF GEOMORPHOLOGY.** Analysis of factors responsible for landforms. Geographic patterns of the world's landforms and the relationship of these patterns to principles governing the processes of erosion, including climatic factors, and forces in the interior of the earth; landform conditions related to soil formation.

Full Course (4)

**215. WEATHER.** Study of the composition of the atmosphere and the basic principles of meteorology.

Full Course (4)

**216. WORLD CLIMATE.** Study of meteorological factors as they relate to climatology, principles of climatic classification, distribution of climates over the world, and climatic restrictions on human activity. *Prerequisite: Geography 215.*

Full Course (4)

**219. THE CALIFORNIA LANDSCAPE.** California as a microcosm. A study of this region in terms of the illustration of basic geographic principles. Examination of the dynamic interactions of humans, other life, and the land, both for the contemporary inhabitants and in archeological and historical perspective. Exploration of key issues in local and statewide planning, development and environmental impact. *Prerequisite: Geography 100 or equivalent.*

Full Course (4)

**220. NATURAL RESOURCES.** Supply and consumption of timber, minerals, fuels, energy, food, and water; effect of population growth on future availability of resources; problems in resources management and land use; survey of basic ecological principles as applied to regional resource management. *Prerequisite: Mathematics 150.*

Full Course (4)

**222. CONTEMPORARY ENVIRONMENTAL PROBLEMS.** Examination of the nature and sources of environmental pollutants and methods for their control. Special emphasis to regional air, water, and noise pollution; to pesticides; and to solid waste disposal. *Three hours of lecture and two hours of laboratory per week. Prerequisite: Physics 100.*

Full Course (4)

**224. POPULATION AND THE ENVIRONMENT.** Analysis of world, national, and state population growth rates and their import for the future. Relationship of population growth to demand for food and resources. Special emphasis on the impact of technological change on the deteriorating American environment.

Full Course (4)

**225. ECONOMIC GEOGRAPHY.** Location, distribution, and flow of the world's major types of production and associated systems of distribution and consumption; interpretation of economic activities in relation to cost of production including natural resources. *Prerequisite: Geography 100 or equivalent of consent of instructor.*

Full Course (4)

**226. LOCALIZATION OF MANUFACTURING.** Analysis of the effect that transportation, labor and processing costs have upon the spatial distribution of manufacturing industries. Covers the major manufacturing industries and regions. *Prerequisite: Geography 100 or equivalent.*

Full Course (4)

**227. HYDROGEOGRAPHY.** Elements of the hydrological cycle: precipitation, distribution and flow, behavior of subsurface and surface fluids, evapotranspiration, water use. Examination of socioeconomic spatial aspects of river basin planning.

Full Course (4)

## Geography

**235. URBAN GEOGRAPHY.** Study of urban settlement and contemporary land use; spatial distribution of natural and human phenomena ranging from open space to ghettos; intraurban transportation patterns and external linkages of cities with metropolitan regions; problems of geographic scale in the study of urbanization.

Full Course (4)

**237. GEOGRAPHY OF CIRCULATION AND CONNECTION.** The spatial attributes of communication and transportation, the flows and diffusion of ideas, data, information, people and goods in the contemporary world. *Prerequisite: Geography 100. Geography 225, 226; or consent of the instructor.*

Full Course (4)

**242. ADVANCED CARTOGRAPHY.** Planning and preparation of maps, graphics and models. Use of advanced cartographic materials, scribing, selected model-making methods, and single and time-sequence photographic techniques for visual presentation.

Full Course (4)

**246. POLITICAL GEOGRAPHY.** An examination of political processes and organization with respect to geographic space, and of the evolution, character and potential future of the contemporary political geographic patterns and interactions at all levels from the locality to the world. Emphasis on tendencies toward unity and disunity, cooperation and competition, and the persistence of historical political patterns. *Prerequisite: Geography 100 or equivalent.*

Full Course (4)

**248. INTERPRETATION OF AERIAL PHOTOGRAPHS AND REMOTE SENSING DATA.** Identification and analysis of physical and cultural landscape by use of aerial photographs and other remote sensing imagery. Laboratory work may include preparation of photographic materials.

Full Course (4)

**251. FIELD STUDY IN URBAN GEOGRAPHY.** Field reconnaissance, measurement, methodology and mapping in selected subjects of geographic study in the urban environment. A documented and illustrated analytic report required of all students. *One hour of lecture and field trips under supervision.*

One-Half Course (2)

**252. ENVIRONMENTAL PERCEPTION.** Comparison of different cultures' conceptions and perceptions of the natural environment; individual or class projects comparing environmental perceptions of individuals or subgroups within this society. *Three hours of lecture and two hours of field activity per week.*

Full Course (4)

**260. GEOGRAPHY OF THE UNITED STATES AND CANADA.** An analysis of the distribution of natural resources, economic development, and population in the United States and Canada; selected economic, social, and political problems are analyzed in each region.

Full Course (4)

**262. MODERN AFRICA.** Spatial organization of modern Black Africa. Brief treatment of the reorientation of African patterns of human geography during and after the colonial era. Current topics of economic, political, social integration of territory in the new nations and on a regional and continental scale.

Full Course (4)

**264. GEOGRAPHY OF LATIN AMERICA.** An analysis of the distribution of the elements of geography as they affect population patterns and cultural activities in the countries of Latin America and selected economic, social and political problems in each region.

Full Course (4)

- 270. GEOGRAPHY OF EAST ASIA.** An analysis of the distribution of the elements of geography as they affect population patterns and cultural activities in the countries of East Asia; selected economic, social, and political problems are analyzed in each region.

Full Course (4)

- 284. MARINE GEOLOGY.** Origin and nature of the topography and geology of the ocean floor and shoreline. Processes of marine erosion and sedimentation. Analysis of sedimentary rocks. *Three hours of lecture and weekend field trips by arrangement. Prerequisites: Geography 112 and Physics 150.*

Full Course (4)

- 286. STRUCTURAL GEOLOGY.** Origin, nature, and interpretation of geologic structures. Laboratory exercises, field mapping, and field trips. *Three hours of lecture and two hours of laboratory per week. Weekend field trips by arrangement. Prerequisite: Physics 150.*

Full Course (4)

- 290. CONTEMPORARY GEOGRAPHIC INQUIRY.** Geography as the study of spatial organization, interaction, diffusion. The logic of inquiry applied to geography as a behavioral and natural science. *Prerequisite: Geography 100 or equivalent.*

Full Course (4)

- 291. SENIOR SEMINAR IN GEOGRAPHY.** Presentation and discussion of selected individual topics by students and staff members. Designed to develop the insights gained from the major program. *Prerequisite: Completion of all other requirements for the Geography major or consent of the Department Chairperson.*

Full Course (4)

- 298. INDEPENDENT STUDY.** Independent study of a particular problem under the direction of a member of the geography staff. *Prerequisite: Consent of instructor.*

One-Half Course (2) \* or Full Course (4) \*

\* Repeatable Course.

## GERMAN <sup>1</sup>

### COURSE OFFERINGS IN GERMAN

NOTE: Students who have completed two, three, or four years of high school German and who pass a proficiency test will be placed in the appropriate quarter of college German. Consult a departmental adviser for details.

#### *Lower Division*

**110. FIRST-QUARTER GERMAN.** Basic instruction in German. Training in speaking, listening, reading, and writing for students who have had no previous work in German.

Full Course (4)

**111. SECOND-QUARTER GERMAN.** A continuation of German 110. *Prerequisite: German 110 or a satisfactory score on a placement test.*

Full Course (4)

**112. THIRD-QUARTER GERMAN.** A continuation of German 111. *Prerequisite: German 111 or a satisfactory score on a placement test.*

Full Course (4)

**120. SECOND-YEAR GERMAN.** Individualized instruction in German language, life and letters for second-year and advanced first-year students in German. *Prerequisite: At least one year of college German, or consent of instructor. This course taken successfully three times completes second-year German.*

Full Course (4) \*

#### *Upper Division*

**280. TWENTIETH CENTURY GERMAN LITERATURE IN TRANSLATION.** Study of selected works by significant writers: novels, poetry, drama, essays, criticism, screenplays. *Prerequisite: Upper division standing.*

Full Course (4)

<sup>1</sup> Students interested in studying foreign languages abroad should consult page 22.

\* Repeatable Course.

## HEALTH SCIENCE

### A Major in a Single Field

The Health Science program offers an interdisciplinary curriculum that leads to the Bachelor of Arts Degree in Health Science. At the present time only one option is offered, Medical Technology. This program fulfills the major requirements for the Bachelor of Arts degree at the California State College, Dominguez Hills, and also provides the clinical training required by the State of California Department of Public Health for eligibility to obtain a license as a Medical Technologist. No additional course work is required to fulfill minor or interdepartmental requirements.

Although the program is designed to extend normally over 12 full quarters of academic work (3 quarters during each of 4 academic years), progress may be accelerated by summer sessions, acceptable extension course work, or credit-by-examination. The clinical year of training consists of twelve months, beginning in the summer preceding the final academic year.

### REQUIREMENTS FOR THE MAJOR IN HEALTH SCIENCE: MEDICAL TECHNOLOGY

#### *Lower Division*

- † Biological Science 110-112-114. Principles of Biology.
- † Biological Science 150. Elements of Human Anatomy and Physiology
- † Chemistry 110-112-114. General and Quantitative Chemistry
- Economics 110-111. Economic Theory 1A-1B
- Mathematics 160. Computer Programming
- Physics 120-122. Elements of Physics

#### *Upper Division*

- A. Health Science Core:
  - Business Administration 210. Management and Organizational Behavior
  - Two full courses (8 units) selected from:
    - † Business Administration 230. Accounting for Planning and Control
    - Education 210. Motivation and Learning
    - † Psychology 211. Human Learning
    - Psychology 240. Social Psychology: Psychological Perspective
    - † Sociology 226. Sociology of Medicine
    - Sociology 240. Social Psychology: Sociological Perspectives
    - Health Science 290. Senior Seminar in Health Science

† Consult course description for prerequisites.

## Health Science

### B. Medical Technology Option:

- † Biological Science 224. Microbiology
- † Biological Science 226. Immunology and Serology
- Biological Science 228. Virology
- † Biological Science 246. Human Heredity
- † Biological Science 258. Parasitology
- † Chemistry 216. Introductory Organic Chemistry
- † Chemistry 217. Introductory Organic Chemistry Laboratory
- † Chemistry 250 and 252. Biochemistry I and II
- † Chemistry 256. Clinical Chemistry
- † Health Science 201. Clinical Techniques
- † Health Science 210. Clinical Sciences
- † Physics 231. Electrical Measurements

Five full courses (20 units) selected from:

- † Biological Science 210-212. Organism Biology I and II
- † Biological Science 222. Microanatomy of Cells and Tissues
- Biological Science 227. Clinical Mycology
- † Chemistry 220-222. Physical Chemistry Lecture I, II
- † Chemistry 230. Analytical Chemistry
- † Chemistry 231. Laboratory in Analytical Chemistry
- † Chemistry 251. Laboratory in Biochemistry

## COURSE OFFERINGS IN HEALTH SCIENCE

### Upper Division

**201. CLINICAL TECHNIQUES.** An introduction to the specialized methodology of the clinical laboratory. Includes instruction and training in drawing of blood samples; methods for preparation of serum and plasma samples and preservation of these samples for various kinds of laboratory assays. *Prerequisite: Acceptance into the clinical training program.*

One-Half Course (2)

**210. CLINICAL SCIENCES.** Didactic and practical experience in the various phases of clinical laboratory analyses, including bacteriology, hematology, chemistry, serology, parasitology, blood banking, and automated procedures. *Prerequisites: Biological Science 224 or equivalent, Biological Science 226, 228, 258, Chemistry 256, and acceptance into the clinical training program.*

One and One-Half Courses (6) \*

**290. SENIOR SEMINAR IN HEALTH SCIENCE.** *Prerequisites: Senior standing and concurrent enrollment in Health Science 210.*

One-Half Course (2) \*

\* Repeatable Course.

† Consult course description for prerequisites.

## HISTORY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN HISTORY

#### *Lower Division*

History 110. The Western World: The Classical Foundation

One course from the following:

History 111. The Western World: The Modern Experience

History 112. Asia: The Great Tradition

History 113. Latin America: Conflicts and Continuities

History 150. Research Methods and Field Study (Students are encouraged to enroll in this course as early in their program as possible.)

#### *Upper Division*

Nine additional courses in history, of which:

A. No more than five may be in one geographical area (i.e., Europe, United States, Asia, Latin America, Africa) or one topical area (see suggested field concentrations under Requirements for the Minor in History); *and*

B. At least two must be in an area other than the United States or Europe; *and*

C. Economics 215 or 216 may be included as part of the major; *and*

D. In the senior year, either History 295 or 296 or 298.

*If History 298 is taken to fulfill this requirement, it must be taken as a four-unit course for research and investigation of a major historical topic.*

### REQUIREMENTS FOR THE MINOR IN HISTORY

A. Five upper division courses selected in consultation with an adviser within a concentration in history. Examples of concentrations and courses are:

1. Ethnic and Minority Problems

History 247. Women in History

History 253. Asians in America

History 267. History of the Mexican American People II

2. Third World Studies

History 262. Latin America: National Period

History 272. Modern China

History 276. Africa: Colonialism to Independence

3. American Studies

History 240. United States: Colonial Period

History 258. The American Frontier

History 285. History of Urban America

4. Pre-Modern Societies and Institutions

History 222. The High Middle Ages

History 235. Tsarist Russia

History 273. Traditional Japan

5. The Individual, Society and the State

History 229. European Socialism and the Labor Movement

History 232. Modern England

History 286. Modern Mass Movements in History

## History

6. Democracy and Dictatorship  
History 220. The Ancient World  
History 236. History of the Soviet Union  
History 262. Latin America: National Period
7. The World in the Twentieth Century  
History 228. Twentieth Century Europe  
History 248. United States: War and Depression
8. Ideas and History  
History 280. History of Science  
History 296. Seminar in the Philosophy of History
9. Industrialization and Modernization  
History 231. Hanoverian England  
History 246. Emergence of Modern America  
History 272. Modern China

B. 2 to 4 units, in the senior year, to undertake research or analysis in the field of concentration. This may be satisfied by History 298 (2 or 4 units), or History 292 or 295.

### COURSE OFFERINGS IN HISTORY

#### Lower Division

**100. BASIC STUDIES HISTORY.** The study of specific historians or historical problems as an introduction to historical understanding and interpretation, including analyses of change and continuity in history and the means by which historians evaluate causes and effects.

Full Course (4)

**101. AMERICAN INSTITUTIONS.** A study of the ideals, creeds, structures and behavior of the peoples of the United States, including analysis of the various forces and circumstances pertaining to the evolution of American institutions on the federal, state and local levels. *Meets State requirement in United States Constitution, American History and California State and Local Government.*

Full Course (4)

**110. THE WESTERN WORLD: THE CLASSICAL FOUNDATION.** A search into the Judaeo-Christian, Greco-Roman and medieval through Reformation foundations of contemporary western civilization.

Full Course (4)

**111. THE WESTERN WORLD: THE MODERN EXPERIENCE.** Significant institutions and ideas of European civilization in the modern era, sixteenth century to the present.

Full Course (4)

**112. ASIA: THE GREAT TRADITION.** Historical introduction to the cultural legacies of India, China, and Japan as a foundation for understanding modern and contemporary changes.

Full Course (4)

**113. LATIN AMERICA: CONFLICTS AND CONTINUITIES.** An investigation into the roots of Latin American culture and institutions, from the pre-Columbian period to the present.

Full Course (4)

**150. RESEARCH METHODS AND FIELD STUDY.** Development of critical and bibliographical skills for historical research and writing, including book reviewing, critical reading, evaluation of documents, the writing of historical papers as well as observation of manuscript collections, specialized libraries and historical sites.

One-Half Course (2)

*Upper Division*

- 205. FIELD STUDIES IN THE USES OF HISTORY.** Field studies in the application of historical skills. A specific quarter may be devoted to oral history, documentary film, archives and special collections, teaching history, local history.  
One-Half Course (2) \*
- 220. THE ANCIENT WORLD.** 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.  
Full Course (4)
- 221. EARLY MIDDLE AGES.** Europe from the decline of the ancient Mediterranean civilization of Rome to the mid-eleventh century: political, economic, institutional and cultural changes and developments.  
Full Course (4)
- 222. THE HIGH MIDDLE AGES.** 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.  
Full Course (4)
- 223. RENAISSANCE AND REFORMATION.** 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.  
Full Course (4)
- 224. EARLY MODERN EUROPE.** Political, religious, and cultural foundations of modern Europe in the seventeenth and eighteenth centuries.  
Full Course (4)
- 226. NINETEENTH CENTURY EUROPE.** Destruction of traditional Europe by political and economic revolution; development of modern ideology and the social dislocation due to industrialization; nationalism and power politics; conservative reaction and violence preceding World War I.  
Full Course (4)
- 228. TWENTIETH CENTURY EUROPE.** The formation of present-day Europe amid intellectual and social ferment, war and revolution; democratic versus totalitarian solutions; socialist alternatives; political versus social change and the problems of the post World War II period.  
Full Course (4)
- 229. EUROPEAN SOCIALISM AND THE LABOR MOVEMENT.** A topical-chronological examination of European working class and socialist movements. Emphasis on the tension between ideology and practice in a study of the development of working class parties and trade unions and of socialist theories and groups from the late eighteenth century to the present.  
Full Course (4)
- 230. TUDOR-STUART ENGLAND.** England from 1485 to 1688. Analysis of constitutional, religious, and social developments in a revolutionary era: English Reformation; Elizabethan Age; English Civil War; Glorious Revolution.  
Full Course (4)
- 231. HANOVERIAN ENGLAND.** Glorious Revolution to First Reform Act. Search for stability and threats to stability in early modern England; Classical Age of the Constitution; First English Empire; Commercial, Agricultural and Industrial Revolutions; Second Hundred Years' War.  
Full Course (4)

\* Repeatable course.

## History

- 232. MODERN ENGLAND.** England from 1832 to the present. The realization of democracy and a changing world role: age of Peel; age of equipoise; imperialism and the rise of labor; impact of total wars; economic and social change; the welfare state.  
Full Course (4)
- 234. THE BRITISH EMPIRE AND COMMONWEALTH.** A survey of the post-Napoleonic developments in the British Empire, with emphasis on the separate cultures of dependent areas, dominion nationalism, and the theory of imperialism.  
Full Course (4)
- 235. TSARIST RUSSIA.** The evolution of the Russian state and empire from the medieval period to the Russian Revolution of 1917.  
Full Course (4)
- 236. HISTORY OF THE SOVIET UNION.** Major political, social and economic development in the Soviet Union from the Russian Revolution of 1917 to the present.  
Full Course (4)
- 237. MODERN GERMANY.** Germany from the late 19th century to the present, with chronological emphasis on the Weimar and Hitler periods and topical emphasis on domestic problems, such as industrialization and modernization, wartime and post-war tensions, political dysfunctions and social strife.  
Full Course (4)
- 238. ORIGINS OF MODERN EUROPEAN THOUGHT AND EXPRESSION.** A critical examination of the emergence of modern intellectual problems, ideologies and modes of communication in their social and cultural context from the mid-seventeenth through the nineteenth centuries.  
Full Course (4)
- 239. TWENTIETH CENTURY EUROPEAN THOUGHT AND EXPRESSION.** A critical examination of European intellectual problems, ideologies and modes of communication in their social and cultural context from the last years of the nineteenth century to the present.  
Full Course (4)
- 240. UNITED STATES: COLONIAL PERIOD.** The discovery, founding and expansion of colonial settlements to 1740. The relation of European institutions and plans to American ideas, experience and reality.  
Full Course (4)
- 241. UNITED STATES: REVOLUTIONARY AND CONSTITUTIONAL PERIOD.** 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.  
Full Course (4)
- 242. UNITED STATES: EARLY NATIONAL PERIOD.** 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.  
Full Course (4)
- 246. EMERGENCE OF MODERN AMERICA.** 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.  
Full Course (4)
- 247. WOMEN IN HISTORY.** Individuals, movements, and institutions reflecting major contributions of women to the history of nations and civilizations.  
Full Course (4)

- 248. UNITED STATES: WAR AND DEPRESSION.** 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.  
Full Course (4)
- 249. UNITED STATES: RECENT PERIOD.** Major developments in American life and institutions since World War II. Consideration of domestic politics from Truman to Nixon, effects of mass technology, the civil rights struggle, and confrontations with the communist world.  
Full Course (4)
- 250. FOREIGN RELATIONS OF THE UNITED STATES.** A study of the evolution of American foreign relations from the time of the Revolution to the present. Emphasis on major policies which have guided its formulation and execution, such as neutrality, isolation, the two-hemisphere concept, manifest destiny, the open door, and containment.  
Full Course (4)
- 251. LABOR IN AMERICAN SOCIETY.** The role of labor in the political, economic and social life of the United States, including growth of organized labor, rival ideologies, legal decisions, and contributions of various ethnic groups, from the colonial period to the present.  
Full Course (4)
- 252. HISTORY OF AMERICAN THOUGHT.** 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.  
Full Course (4)
- 253. THE ASIANS IN AMERICA.** A survey of the history of the Asians in America from immigration to the present, including patterns of settlement, problems encountered, and contributions to American culture, with special emphasis upon new areas of research.  
Full Course (4)
- 254. THE AFRO-AMERICAN FROM AFRICA THROUGH RECONSTRUCTION.** Consideration of the impact of general historical development upon the Black American and his significance in American history, with attention to political, economic, legal, social, and cultural aspects; includes study of the institution of slavery and the struggle for freedom.  
Full Course (4)
- 255. THE AFRO-AMERICAN FROM RECONSTRUCTION TO THE PRESENT.** Consideration of the impact of general historical development upon the Black American and his significance in United States history, with attention to political, economic, legal, social, and cultural aspects. Includes study of race relations and the circumstances and aspirations of the Black man in an industrial age.  
Full Course (4)
- 257. CALIFORNIA AND THE SOUTHWEST.** The social, political and cultural history of the Southwestern United States, especially California, Arizona, New Mexico and Texas, from the early cliff dwellers to the present, with emphasis upon adjustments of differing civilizations to a land of contrasts.  
Full Course (4)
- 258. THE AMERICAN FRONTIER.** 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.  
Full Course (4)

## History

- 260. LATIN AMERICA: COLONIAL PERIOD.** The conquest and settlement of colonial Latin America to the time of the wars of independence, with attention also to the ancient civilizations of the area.

Full Course (4)

- 262. LATIN AMERICA: NATIONAL PERIOD.** The struggle for independence and social, political, and economic problems of the Latin American nations in recent times.

Full Course (4)

- 264. MEXICO.** Development of the Mexican nation since ancient times, including the contributions of the Mayas, Aztecs, and other indigenous groups to the social, political, and economic structure of the country, and the emergence of Mexico as a leader in Latin America.

Full Course (4)

- 266. HISTORY OF THE MEXICAN AMERICAN PEOPLE I.** Mexican American life to 1900, stressing the evolution of economic and political thought, social institutions and cultural expressions.

Full Course (4)

- 267. HISTORY OF THE MEXICAN AMERICAN PEOPLE II.** The Mexican Americans' contributions to the building of the southwest; the clash between Mexicans and North Americans; the emergence of the urban Mexican American.

Full Course (4)

- 271. TRADITIONAL CHINA.** The origins and evolution of Chinese civilization and the influence of China on East Asia prior to the nineteenth century Western impact.

Full Course (4)

- 272. MODERN CHINA.** China from 1800 to the present. Western impact on traditional China and the Chinese response. Analysis of the attempts to modernize China.

Full Course (4)

- 273. TRADITIONAL JAPAN.** Origins and evolution of Japanese social, cultural, intellectual, and political traditions until the nineteenth century Western impact. Foundation for comparison and contrast of Japan before and after the Meiji Restoration.

Full Course (4)

- 274. MODERN JAPAN.** 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.

Full Course (4)

- 275. AFRICA: PRE-COLONIAL PERIOD.** 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.

Full Course (4)

- 276. AFRICA: COLONIALISM TO INDEPENDENCE.** A survey of the social, economic and political development in Africa in the nineteenth and twentieth centuries, with emphasis on the religious revivals in the Central and Western Sudan, the impact of European imperialism on traditional African institutions, colonialism and nationalism and ending with the regaining of political independence in the sixties.

Full Course (4)

- 280. HISTORY OF SCIENCE.** The growth of science, both theoretical and applied, from the Renaissance to the present, and its influence on modern thought and life.

Full Course (4)

- 282. LAW AND SOCIETY.** A course designed to explore the relations between law and society from a historical perspective. Special emphasis is placed on the implications to the social structure of the problems of the development of the morality of law with a concern for the appropriate legal and philosophical concepts.

Full Course (4)

- 284. THE CITY IN HISTORY.** 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.

Full Course (4)

- 285. HISTORY OF URBAN AMERICA.** 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; including urban physical development and architecture.

Full Course (4)

- 286. MODERN MASS MOVEMENTS IN HISTORY.** A historical analysis of modern mass movements, including consideration of ideology, social and economic dislocation, authoritarian traditions, dictatorships, racism, propaganda, the role of the military and the practice of violence.

Full Course (4)

- 287. WAR AND SOCIETY.** An examination of the historical settings of military and anti-military movements, the causes and effects of war on society, the struggles for peace, and military organizations.

Full Course (4)

- 292. SPECIAL TOPICS IN HISTORY.** Intensive study of a single period, area, figure, movement or idea in history. The problem may be either departmental or interdepartmental in nature, provided the focus of concern is historical; for example, Special Topics in History: Revolutions.

Full Course (4) \*

- 295. SENIOR SEMINAR IN HISTORY.** An intensive study of the sources and nature of a major historical problem. Requires the writing of bibliographic analyses and/or a research paper. Problems to be selected in accord with student interest. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

- 296. SEMINAR IN THE PHILOSOPHY OF HISTORY.** Study of interpretive theories and major historians with emphasis on such problems as the nature of historical facts and understanding, causation and change, relationships and patterns. *Prerequisite: Senior standing.*

Full Course (4)

- 298. INDEPENDENT STUDY.** Independent study of a particular problem under the direction of a member of the History Department. *Prerequisite: Consent of instructor.*

One-Half Course (2) \* or Full Course (4) \*

### *Graduate Professional*

- 386. HISTORY AND PHILOSOPHY OF EDUCATION.** A study of the major educational ideas affecting educational practice during the history of western civilization, and an analysis of their influence on American education.

Full Course (4)

\* Repeatable Course.

## HUMANITIES

### COURSE OFFERINGS IN HUMANITIES

#### *Upper Division*

**209. COOPERATIVE EDUCATION.** Students participate in an off-campus work program with an approved employer. Provides for an integration of academic study and related work experience with the objective of extending formal education beyond the classroom. *Registration requires permission of a departmental or interdepartmental Coordinator or the Director of Cooperative Education. Prerequisite: Sophomore, junior, or senior standing.*

One-Half Course (2) \* or Full Course (4) \*

**285. THE HUMANITIES IN EARLY CHILDHOOD EDUCATION I.** Teaching the pre-school child through aesthetic and expressive experiences in the humanities. *Prerequisite: Acceptance in the Early Childhood Studies program or consent of instructor.*

One-Half Course (2)

**286. THE HUMANITIES IN EARLY CHILDHOOD EDUCATION II.** Teaching the elementary school child, grades 1-3, through aesthetic and expressive experiences in the humanities. *Prerequisite: Acceptance in the Early Childhood Studies program or consent of instructor.*

One-Half Course (2)

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\* Repeatable Course

## INFORMATION SYSTEMS

### An Interdepartmental Field of Concentration

The program in this field is intended to provide a thorough grounding in the principles of data processing, of information storage and retrieval, and of automation in business, industry, and research. Opportunity is provided to gain a working familiarity with some of the modern tools used for these purposes.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN INFORMATION SYSTEMS

#### *Lower Division*

Business Administration 170. Introduction to Computers and Data Processing  
One course in statistics, such as † Business Administration 221,  
Mathematics 150, † Mathematics 250, Psychology 150, or Sociology 120.

#### *Upper Division*

- A. Two of the following courses:
  - † Business Administration 270. COBOL Programming
  - † Mathematics 160. Computer Programming
  - † Mathematics 162. Assembly Language Programming
- B. One course chosen from the following list:
  - † Business Administration 220. Quantitative Analysis I
  - † Economics 250. Quantitative Economic Analysis I
  - Geography 206. Quantitative Models and Map Analysis
  - † Mathematics 260. Computational Methods
  - Psychology 230. Behavioral Statistics and Research Design
  - Sociology 206. Quantitative Analysis in Sociology
- C. Five courses from the following list, selected with the approval of the adviser:  
Any course in A or B above not used to fulfill those requirements  
Four units in cooperative education *or*  
in a directed project approved by the adviser
  - † Economics 251. Quantitative Economic Analysis II
  - English 210. The Study of Language
  - † English 216. Linguistic Analysis
  - † Mathematics 210. Differential Equations
  - † Mathematics 236. Mathematical Logic I *or*  
Philosophy 240. Symbolic Logic
  - † Mathematics 152. Statistical Analysis and Correlation *or*  
† Mathematics 252. Probability and Statistics II
  - † Mathematics 266-268. Numerical Analysis I-II
- D. The senior seminar in Information Systems

*A minor in Information Systems will be available for 1973-74; please consult designated faculty adviser for details.*

† Consult course description for prerequisite.

COURSE OFFERING

*Upper Division*

**290. SEMINAR IN INFORMATION SYSTEMS.** *Prerequisite: Senior standing or consent of the instructor.*

Full Course (4)

## JAPANESE <sup>1</sup>

### COURSE OFFERINGS IN JAPANESE

NOTE: Students who have completed two, three or four years of high school Japanese and who pass a proficiency test will be placed in the appropriate quarter of college Japanese. Consult a departmental adviser for details.

#### *Lower Division*

**110. FIRST-QUARTER JAPANESE.** An intensive audio-lingual approach to modern spoken Japanese for students who have no previous work in Japanese (with Japanese slowly replacing English as the medium of classroom discussion).

Full Course (4)

**111. SECOND-QUARTER JAPANESE.** A continuation of Japanese 110. Introduction of *Hiragana* and *Kanji* (characters) gradually during quarter; elementary reading exercises accompany the spoken language materials. *Prerequisite: Japanese 110 or equivalent.*

Full Course (4)

**112. THIRD-QUARTER JAPANESE.** A continuation of Japanese 111. *Prerequisite: Japanese 111 or equivalent.*

Full Course (4)

**120. SECOND-YEAR JAPANESE.** Individualized instruction in Japanese language, life, and letters for second-year and advanced first-year students in Japanese. *Prerequisite: At least one year of college Japanese or consent of instructor. This course taken successfully three times completes second-year Japanese.*

Full Course (4) \*

<sup>1</sup> Students interested in studying foreign languages abroad should consult page 22.

\* Repeatable course.

## LATIN AMERICAN STUDIES

### An Interdepartmental Field of Concentration

This interdepartmental field is designed to provide an understanding of social, cultural, political, and economic patterns of Latin America.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN LATIN AMERICAN STUDIES

#### *Upper Division*

- A. Three courses selected from at least two different departments in the School of Humanities and Fine Arts.

Art 260. Latin American Art

Art 262. Pre-Columbian Art

Music 251. Music of Latin America

Music 254. Folk Music of Mexico

† Spanish 251. Contemporary Hispanic Culture: Spanish Speaking America <sup>1</sup>

† Spanish 255. History of Spanish American Literature I <sup>1</sup>

† Spanish 256. History of Spanish American Literature II <sup>1</sup>

† Spanish 261. Lecturas Mexicanas <sup>1</sup>

† Spanish 288. Readings in Modern Latin American Literature <sup>2</sup>

† Spanish 295. Seminar in Special Topics <sup>1</sup> (when topic deals with Latin America)

- B. Three courses selected from at least two different departments in the School of Social and Behavioral Sciences.

Anthropology 232. Cultures of Mexico and the Caribbean

Anthropology 233. Ethnology of South America

Geography 264. Geography of Latin America

History 260. Latin America: Colonial Period

History 262. Latin America: National Period

History 264. Mexico

Political Science 243. Political Behavior in Latin America

Political Science 244. Latin America: The Revolutionary Tradition

Sociology 222. Social Change in Developing Countries

Sociology 232. Urbanization and Development in Latin America

- C. Two additional courses, selected with approval of the adviser, from the above lists or from Spanish language.<sup>3</sup>

- D. The senior seminar in this field.

NOTE: Two or more years of college-level study of Spanish or Portuguese language is recommended (Spanish is offered by the college; Portuguese is not yet offered).

<sup>†</sup> Consult course description for prerequisites.

<sup>1</sup> If these courses are taken to fulfill requirements for the departmental field of Spanish, they may not be counted again in the interdepartmental field.

<sup>2</sup> In English translation.

<sup>3</sup> Students with Spanish departmental majors may not count lower division Spanish courses for Latin American Studies requirements.

## REQUIREMENTS FOR THE MINOR IN LATIN AMERICAN STUDIES

### Upper Division

- A. Three courses selected from at least two different departments in the School of Humanities and Fine Arts.
  - Art 260. Latin American Art
  - Art 262. Pre-Columbian Art
  - Music 251. Music of Latin America
  - Music 254. Folk Music of Mexico
  - † Spanish 251. Contemporary Hispanic Culture: Spanish Speaking America<sup>1</sup>
  - † Spanish 255. History of Spanish American Literature I<sup>1</sup>
  - † Spanish 256. History of Spanish American Literature II<sup>1</sup>
  - † Spanish 261. Lecturas Mexicanas
  - † Spanish 288. Readings in Modern Latin American Literature<sup>1</sup>
  - † Spanish 295. Seminar in Special Topics in Spanish *or* Spanish American Literature<sup>1</sup> (when topic deals with Latin America)
- B. Three courses selected from at least two different departments in the School of Social and Behavioral Sciences.
  - Anthropology 232. Cultures of Mexico and the Caribbean
  - Anthropology 233. Ethnology of South America
  - Geography 264. Geography of Latin America
  - History 260. Latin America: Colonial Period
  - History 262. Latin America: National Period
  - History 264. Mexico
  - Political Science 243. Political Behavior in Latin America
  - Political Science 244. Latin America: The Revolutionary Tradition
  - Sociology 222. Social Change in Developing Countries
  - Sociology 232. Urbanization and Development in Latin America
- C. The senior seminar in Latin American Studies may be taken as an elective in place of any one of the above courses.

## COURSE OFFERING

### Upper Division

- 290. SEMINAR IN LATIN AMERICAN STUDIES.** An integrative seminar serving as a capstone to the interdepartmental major in Latin American Studies. Intensive study of selected topics and the preparation of research papers for critical review. *Prerequisite:* Senior standing and consent of instructor.
- Full Course (4)

<sup>†</sup> Consult course description for prerequisites.

<sup>1</sup> If these courses are taken to fulfill requirements for the major in Spanish, they may not be counted again in the interdepartmental field.

## LIBERAL STUDIES

### A Major in a Single Field

The Liberal Studies major, designed to provide a student with a broad foundation in the liberal arts and sciences, leads to a Bachelor of Arts degree. It also satisfies the undergraduate requirements for a teaching credential as outlined in the Teacher Preparation and Licensing Law of 1970, Section 13157.4 of the *Education Code*. All students desiring to major in Liberal Studies must see an adviser, but students seeking a teaching credential *must have their programs approved by a credential adviser*. The professional education courses required for credentials are listed under "Education." Prior to entering the supervised teaching sequence, students must apply for admission to the Teacher Education Program, and application must be made during the Winter Quarter of the junior year.

This major is a four-year program, consisting of 128 quarter units selected from the Schools of Humanities and Fine Arts, Natural Sciences and Mathematics, and Social and Behavioral Sciences. Upon advisement, it may be possible to complete a single subject (departmental) major within the total unit requirement for the Bachelor of Arts degree.

### REQUIREMENTS FOR THE LIBERAL STUDIES MAJOR

- I. English (grammar, literature, composition, and speech)  
32 quarter units are required in the following courses:  
English 100-101. Oral and Written Expression I-II  
2 courses in literature—either lower or upper division  
English 210. The Study of Language, *or*  
English 214. English Syntax  
English 250. Advanced Composition  
† Spanish 235. A Sociolinguistic Approach to Mexican  
American Dialect and Reading, *or*  
Black English and Reading  
English 217. Sociolinguistics  
† English 219. Psycholinguistics, *or*  
Anthropology 212. Language and Culture

II. Natural Sciences and Mathematics

32 quarter units are required in the following:

Biological Science 102. General Biology

Chemistry 102. Basic Chemistry, *or*

Physics 101. Insights in Contemporary Physics

† Mathematics 150. Elementary Statistics and Probability

One lower division course selected upon advisement

† Biological Science 236. Environmental Biology, *or*

† Chemistry 270. General Oceanography: Physical and Chemical

† Biological Science 246. Human Heredity, *or*

† Biological Science 256. Human Anatomy and Physiology

† Mathematics 260. Computational Methods, *or*

Mathematics 342. Mathematics for Elementary Teachers

One upper division elective from biological science, chemistry, mathematics, physics, or other approved course, selected upon advisement.

III. Social and Behavioral Sciences

32 quarter units are required in the following:

Economics 100. Basic Studies Economics, *or*

Geography 100. Elements of Geography

History 100. Basic Studies History, *or*

Political Science 100. Basic Studies Political Science

Anthropology 100. Basic Studies Anthropology, *or*

Psychology 100. Basic Studies Psychology, *or*

Sociology 100. Basic Studies Sociology

5 upper division courses (20 quarter units) selected upon advisement from anthropology, economics, geography, history, political science, psychology, or sociology, with no more than two courses in any one department and with at least four departments represented.

IV. Humanities and Fine Arts

32 quarter units are required in the following:

Art 100. Basic Studies Art

Music 100. Basic Studies Music

Philosophy 101. Man, Value and Society

4 quarter units of lower division courses selected upon advisement from art, music, or foreign language.

16 quarter units of upper division courses selected upon advisement from art, foreign language, music, or philosophy, with at least one course in each of three different departments.

*Students are advised to consult the listing of General Education requirements to insure that all graduation requirements are satisfied.*

† Consult course descriptions for prerequisites.

## LINGUISTICS

### An Interdepartmental Field of Concentration

The interdepartmental program in linguistics is designed to enable the student to pursue an investigation of language as a formal system and as a psychological and historical phenomenon. The program provides a series of courses emphasizing attempts to describe and explain language and focusing on current theories and methods of linguistic analysis.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN LINGUISTICS

#### *Upper Division*

- A. Phonology:
  - English 211. Phonology
  - † English 212. Phonological Analysis
- B. Syntax:
  - English 214. English Syntax
  - † English 216. Syntactic Analysis
- C. Historical Linguistics:
  - † English 218. Introduction to Historical Linguistics
- D. Special Area (two courses, with approval of the student's adviser in Linguistics: *both courses must be from the same area*):
  - 1. Phonological/Historical
    - a) A "Special Topics" seminar († English 294) in phonological theory
    - b) A "Special Topics" seminar († English 294) in comparative/historical theory
    - c) A historical course in the student's native language or major language (if the course is not listed as a requirement for the departmental major), such as English 213, † English 295 (Chaucer), or similar courses in other languages
  - 2. Syntax/Semantics
    - a) † English 219. Psycholinguistics
    - b) A "Special Topics" seminar († English 294) in syntactic theory
  - 3. Psycholinguistics/Sociolinguistics
    - a) † English 219. Psycholinguistics
    - b) A "Special Topics" seminar († English 294) in sociolinguistics

† Consult course description for prerequisite.

- E. One of the following related courses (selected with approval of the student's adviser in Linguistics):

- Anthropology 212. Language and Culture
- English/Spanish/French 210. The Study of Language (if this course is not listed as a requirement for the departmental major)
- † English 215. The History of Linguistic Science
- † French 211. The Structure of French (if this course is not listed as a requirement for the departmental major)
- † Mathematics 236 or 238. Mathematical Logic I or II
- Philosophy 240. Symbolic Logic
- † Psychology 277. Seminar in Cognitive Psychology
- Sociology 252. Sociology of Conversation
- † Spanish 211. The Structure of Spanish (if this course is not listed as a requirement for the departmental major)

- F. † Linguistics 290. Seminar in Linguistics

Note: Proficiency in at least one foreign language is strongly recommended.

### REQUIREMENTS FOR THE MINOR IN LINGUISTICS

#### *Upper Division*

- English 211. Phonology
- † English 212. Phonological Analysis
- English 214. English Syntax
- † English 216. Syntactic Analysis
- † English 218. Introduction to Historical Linguistics *or*
- † English 219. Psycholinguistics
- † English 294. Seminar: Special Topics in Linguistics *or*
- † Linguistics 290. Seminar in Linguistics

### COURSE OFFERINGS

#### *Upper Division*

- 200. INTRODUCTION TO HUMAN LANGUAGE.** A general non-technical overview of current knowledge about human language: its universality; its structure; language in its social and cultural setting; its relation to other areas of human knowledge.

Full Course (4)

- 290. SEMINAR IN LINGUISTICS.** An integrative seminar serving as a capstone to the interdepartmental major in linguistics. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

† Consult Course Description for Prerequisite.

## MATHEMATICS

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN MATHEMATICS

#### *Lower Division*

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

Mathematics 110–112–114–116. Differential and Integral Calculus I, II, III, IV

Physics 110–112–114. General Physics

Chemistry 110–112. General and Quantitative Chemistry

Biological Science 102. General Biology *or*

Biological Science 110. Principles of Biology

#### *Upper Division*

Mathematics 208. Multivariable Calculus

Mathematics 212–214. Advanced Analysis

Mathematics 230. Linear Algebra

Mathematics 232. Abstract Algebra

Four courses (16 units) including at least one two-quarter sequence course selected from:

Mathematics 220–222. Functions of Complex Variable

Mathematics 224–226. Functions of a Real Variable

Mathematics 236–238. Mathematical Logic I, II

Mathematics 240–242. Topology

Mathematics 250–252. Probability and Statistics I, II

### REQUIREMENTS FOR THE MINOR IN MATHEMATICS

#### *Prerequisite*

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

Mathematics 110–112–114. Differential and Integral Calculus I, II, III.

#### *Required Courses*

Mathematics 116. Differential and Integral Calculus IV

Five courses selected from the following list:

Mathematics 208, 210, 212, 214, 216, 220, 222, 224, 226, 230, 232, 236, 238, 240, 242, 250, 252, 260, 266, 268, 295.

### COURSE OFFERINGS IN MATHEMATICS

#### *Lower Division*

**010. ALGEBRA.** A course in algebra for students who do not meet the prerequisites for Mathematics 110 or Mathematics 150 or Mathematics 160.

Full Course (4)

- 012. TRIGONOMETRY.** A course in trigonometry for students who do not meet the prerequisites for the calculus sequence. *Prerequisites:* Two years of high school algebra or Mathematics 010.

One-Half Course (2)

- 100. BASIC STUDIES MATHEMATICS.** Topics in modern mathematics, including set theory and concepts from logic; the real number system and subsystems; the concept of function, sequence and limit.

Full Course (4)

- 102. MATHEMATICAL ANALYSIS FOR BUSINESS.** The development of an understanding of the use of fundamental mathematical processes. *Prerequisite:* Mathematics 010 or one full year of high school algebra.

Full Course (4)

- 110. DIFFERENTIAL AND INTEGRAL CALCULUS I.** Functions, introduction to the derivative and integral, analytic geometry, vectors in the plane. *Prerequisites:* (a) Either two years of high school algebra or Mathematics 010; and (b) one semester of high school trigonometry or Mathematics 012 or concurrent enrollment in Mathematics 012; and (c) a placement test administered by the college.

Full Course (4)

- 112. DIFFERENTIAL AND INTEGRAL CALCULUS II.** A continuation of Mathematics 110. Topics covered include trigonometric and exponential functions, techniques of integration, the concepts of limits and continuity. *Prerequisite:* Mathematics 110.

Full Course (4)

- 114. DIFFERENTIAL AND INTEGRAL CALCULUS III.** A continuation of Mathematics 112. Topics covered include differentials, solid analytic geometry, vectors in three dimensions, partial derivatives, multiple integration. *Prerequisite:* Mathematics 112.

Full Course (4)

- 116. DIFFERENTIAL AND INTEGRAL CALCULUS IV.** A continuation of Mathematics 114. Topics covered include applications of multiple integration, infinite series, and differential equations. *Prerequisite:* Mathematics 114.

Full Course (4)

- 150. ELEMENTARY STATISTICS AND PROBABILITY.** A practical course in statistics and probability, including such topics as the normal distribution, t-test, chi-square test, linear regression and correlation, conditional probability. *Prerequisite:* Mathematics 010 or one year of high school algebra.

Full Course (4)

- 152. STATISTICAL ANALYSIS AND CORRELATION.** Advanced topics in statistics including game theory, non-parametric statistics, curvilinear and multiple regression, multiple and partial correlation. *Prerequisite:* Mathematics 150.

Full Course (4)

- 160. COMPUTER PROGRAMMING.** Programming digital computers using a problem-oriented language, such as FORTRAN IV, to solve simple numeric and non-numeric problems. *Prerequisites:* Mathematics 010 or two years of high school algebra, and Natural Science and Mathematics 120/Business Administration 170, or consent of instructor.

Full Course (4)

- 162. ASSEMBLY LANGUAGE PROGRAMMING.** Programming problems in assembly language; writing and using macros; features of modern computer hardware and operating systems. *Prerequisite:* Mathematics 160 or Business Administration 270.

Full Course (4)

## Mathematics

### Upper Division

- 208. MULTIVARIABLE CALCULUS.** A continuation of Mathematics 116. Topics covered include vector calculus, line and surface integrals, and the theorems of Green, Gauss, and Stokes. *Prerequisite: Mathematics 116.*  
Full Course (4)
- 210. DIFFERENTIAL EQUATIONS.** Topics covered include first order linear equations,  $n$ th order linear equations with analytic coefficients,  $n$ th order linear equations with regular singular points, non-linear equations, existence and uniqueness of solutions, systems of non-linear equations. *Prerequisite: Mathematics 116.*  
Full Course (4)
- 212. ADVANCED ANALYSIS.** Elements of set theory, numerical sequences and series; continuity, differentiability and integration of functions of one variable. *Prerequisite: Mathematics 208.*  
Full Course (4)
- 214. ADVANCED ANALYSIS.** Sequences and series of functions, uniform convergence, power series; continuity, differentiability and integration of functions of several variables. *Prerequisites: Mathematics 212 and Mathematics 230.*  
Full Course (4)
- 216. DIFFERENTIAL GEOMETRY.** Classical theory of curves in three-space; frame fields; differential forms; surface theory; integration of forms and Stokes' Theorem. *Prerequisites: Mathematics 116 and Mathematics 230.*  
Full Course (4)
- 220. FUNCTIONS OF COMPLEX VARIABLES.** Complex numbers; point sets, sequences, and mappings; analytic functions; elementary functions; and integration. *Prerequisite: Mathematics 208.*  
Full Course (4)
- 222. FUNCTIONS OF COMPLEX VARIABLES.** A continuation of Mathematics 220. Integration (continued); power series; the calculus of residues; conformal representation; and applications. *Prerequisite: Mathematics 220.*  
Full Course (4)
- 224. FUNCTIONS OF A REAL VARIABLE.** The real numbers and Dedekind cuts; set theory; metric spaces; Euclidean space; continuity of functions into a metric space. *Prerequisite: Mathematics 214.*  
Full Course (4)
- 226. FUNCTIONS OF A REAL VARIABLE.** A continuation of Mathematics 224. *Prerequisite: Mathematics 224.*  
Full Course (4)
- 230. LINEAR ALGEBRA.** Linear equations; vector spaces; matrices; linear transformations; polynomials; determinants; theory related to equivalence and similarity of matrices; canonical forms. *Prerequisite: Mathematics 116.*  
Full Course (4)
- 232. ABSTRACT ALGEBRA.** Basic theory of groups, rings, integral domains, fields and related results. *Prerequisite: Mathematics 116.*  
Full Course (4)

- 236. MATHEMATICAL LOGIC I.** Topics covered include propositional calculus, classical and intuitionistic; completeness and consistency theorems; first order predicate calculus with equality; axiomatic arithmetic; Gödel's incompleteness theorem. *Prerequisite: Mathematics 112.*  
Full Course (4)
- 238. MATHEMATICAL LOGIC II.** A continuation of Mathematical Logic I. *Prerequisite: Mathematics 236.*  
Full Course (4)
- 240. TOPOLOGY.** Basic concepts including the algebra of sets; topological spaces; connectedness, compactness, and continuity; separation and countability axioms. *Prerequisite: Mathematics 214.*  
Full Course (4)
- 242. TOPOLOGY.** A continuation of Mathematics 240. *Prerequisite: Mathematics 240.*  
Full Course (4)
- 250. PROBABILITY AND STATISTICS I.** Probability as a mathematical system, including conditional probability and independence, random variables and distribution functions, moments, limit theorems. *Prerequisite: Mathematics 112.*  
Full Course (4)
- 252. PROBABILITY AND STATISTICS II.** Continuation of Mathematics 250. *Prerequisite: Mathematics 250.*  
Full Course (4)
- 260. COMPUTATIONAL METHODS.** Numbers, determinants, and matrices; Boolean algebra, decision tables and algorithm processes as they relate to digital and hybrid systems. *Prerequisite: Mathematics 160.*  
Full Course (4)
- 266. NUMERICAL ANALYSIS I.** Finite differences and applications; interpolation formulas; inversion of matrices; numerical methods of solution of linear equations; numerical differentiation and integration. *Prerequisite: Mathematics 116.*  
Full Course (4)
- 268. NUMERICAL ANALYSIS II.** A continuation of Mathematics 266. *Prerequisite: Mathematics 266.*  
Full Course (4)
- 295. SELECTED TOPICS IN MATHEMATICS.** *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*
- 297. DIRECTED STUDY IN INFORMATION SYSTEMS.** A project-type course in information systems carried out on an independent study basis. *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*

### Graduate Professional

- 342. MATHEMATICS FOR ELEMENTARY TEACHERS.** The cardinal number concept and related operations, set theory and mappings, systems of numeration, and the real number system.  
Full Course (4)

\* Repeatable Course.

## MEXICAN AMERICAN STUDIES

### An Interdepartmental Field of Concentration

This program is designed to provide the student with an understanding of the social, political, and cultural patterns of the Mexican American. Because of the importance of the Western and Southwestern United States to demographic patterns of Mexican American people, it is primarily regional in focus.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN MEXICAN AMERICAN STUDIES

#### *Lower Division*

Recommended electives:

- Spanish 101.<sup>1</sup> Bilingual Communication Skills for Spanish Speakers  
(Pocho to Standard Spanish)
- † Spanish 102.<sup>1</sup> Bilingual Communication Skills for Spanish Speakers  
(Standard Spanish to English)
- Spanish 105. Spanish for Public Service
- † Spanish 150. Folklórico and Teatro Workshops

#### *Upper Division*

- A. History 267. History of the Mexican American People II  
Psychology 281. Psychology of the Mexican American II  
Sociology 217. Sociology of Rural and Urban Mexican American People
- B. One course selected from at least two departments in the School of Humanities and Fine Arts:
  - Art 253. Art of California and the Southwest
  - Music 254. Folk Music of Mexico
  - † Spanish 211. The Structure of Spanish
  - † Spanish 235. Sociolinguistic Approach to Mexican American Dialect and Reading
  - † Spanish 251. Contemporary Hispanic Culture: Spanish Speaking America  
(Sections identified in quarterly class schedules as *Mexico and the Southwest*)
  - † Spanish 261. Lecturas Mexicanas
  - † Spanish 287. Contemporary Mexican American Literature
- C. Three courses selected from three different departments of the School of Social and Behavioral Sciences and the School of Education:
  - Anthropology 231. Contemporary Mexican American Culture and Its Antecedents
  - Economics 282. The Economics of Poverty
  - Education 222. Education of the Mexican American
  - History 257. California and the Southwest
  - History 266. History of the Mexican American People I
  - History 292. Special Topics in History (Sections identified in quarterly class schedules as *Religion in Mexican American Society*)
  - Mexican American Studies 297. Research Methods in the Chicano Community
  - Political Science 221. Mexican American Politics
  - Psychology 280. Psychology of the Mexican American I

<sup>1</sup> Consult course description for prerequisites.

<sup>1</sup> This course or equivalent proficiency required of all Spanish speaking students under the EOP Program.

Sociology 235. Social Movements (Sections identified in quarterly class schedules as *Chicano Experience* or *La Chicana: A New Awareness*)

D. An elective course outside the student's departmental field from B or C above or the following recommended courses:

Anthropology 210. Psychological Anthropology

Art 260. Latin American Art

History 264. Mexico

Political Science 244. Latin America: The Revolutionary Tradition

Psychology 240. Social Psychology: Psychological Perspective

Psychology 276. Psychology of Female Identity

Sociology 255. Modern Sociological Theories

Sociology 260. Minority Racial and Ethnic Relations

E. The senior seminar in Mexican American Studies.

## REQUIREMENTS FOR THE MINOR IN MEXICAN AMERICAN STUDIES

### Lower Division

Recommended electives:

Spanish 101.<sup>†</sup> Bilingual Communication Skills for Spanish Speakers (Pocho to Standard Spanish)

† Spanish 102.<sup>†</sup> Bilingual Communication Skills for Spanish Speakers (Standard Spanish to English)

Spanish 105. Spanish for Public Service

† Spanish 150. Folklórico and Teatro Workshops

### Upper Division

Students selecting this minor will be required to take six courses from the following:

A. History 267. History of the Mexican American People II

Psychology 281. Psychology of the Mexican American II

B. One course selected from the following in the School of Humanities and Fine Arts:

Art 253. Art of California and the Southwest

Music 254. Folk Music of Mexico

† Spanish 211. The Structure of Spanish

† Spanish 235. Sociolinguistic Approach to Mexican American Dialect and Reading

† Spanish 251. Contemporary Hispanic Culture: Spanish Speaking America

† Spanish 261. Lecturas Mexicanas

† Spanish 287. Contemporary Mexican American Literature

C. Two courses selected from different departments of the School of Social and Behavioral Sciences or the School of Education:

Anthropology 231. Contemporary Mexican American Culture and Its Antecedents

Economics 282. The Economics of Poverty

Education 222. Education of the Mexican American

History 257. California and the Southwest

History 266. History of the Mexican American People I

History 292. Special Topics in History (Sections identified in quarterly class schedules as *Religion in Mexican American Society*)

Mexican American Studies 297. Research Methods in the Chicano Community

Political Science 221. Mexican American Politics

Psychology 280. Psychology of the Mexican American I

Sociology 217. Sociology of Rural and Urban Mexican Americans

Sociology 235. Social Movements (Sections identified in quarterly class schedules as *Chicano Experience* or *La Chicana: A New Awareness*)

<sup>†</sup> This course or equivalent proficiency required of all Spanish speaking students under the EOP Program.

† Consult course description for prerequisite.

## Mexican American Studies

- D. An elective outside the student's departmental field selected from Section B and C or any of the following recommended courses:
- Anthropology 210. Psychological Anthropology
  - Art 260. Latin American Art
  - History 264. Mexico
  - Mexican American Studies 200. Introduction to Mexican American Studies
  - Mexican American Studies 290. Seminar in Mexican American Studies
  - Political Science 244. Latin America: The Revolutionary Tradition
  - Psychology 276. Psychology of Female Identity
  - Sociology 255. Modern Sociological Theories
  - Sociology 260. Minority Racial and Ethnic Education

## COURSE OFFERINGS

### Upper Division

- 200. INTRODUCTION TO MEXICAN AMERICAN STUDIES.** 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.*

Full Course (4)

- 290. SEMINAR IN MEXICAN AMERICAN STUDIES.** Study of selected topics which provide a comprehensive understanding of the experience, contributions, and participation of Mexican Americans in United States society. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

- 297. RESEARCH METHODS IN THE CHICANO COMMUNITY.** Supervised research experience in the barrio and private and public agencies in education, welfare, law enforcement, employment and housing, including review of basic techniques in social research design with emphasis on measurement and social science techniques. *Prerequisite: Senior standing or consent of instructor.*

Full Course (4) \*

- 298. INDEPENDENT STUDY.** 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.

One-Fourth Course (1) \* One-Half Course (2) \* Full Course (4) \*

\* Repeatable Course.

## MUSIC

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN MUSIC

#### *Lower Division*

Music 110–111–112. Music Theory I, II, III

#### *Upper Division*

Music 210–211–212. Advanced Music Theory I, II, III

Music 216. Medieval and Renaissance Music

Music 217. Baroque and Classical Music

Music 218. Romantic and Modern Music

Plus three courses selected from the following list:

Music 213. Counterpoint

Music 214. Instrumentation

Music 215. Composition

Music 250. American Music

Music 251. Music of Latin America

Music 252. Afro-American Music

Music 253. Music for the Theater

Music 254. Folk Music of Mexico

Music 255. Music of China, Japan, and Korea

Music 270. Twentieth Century Composers: Their Writings and Their Music

Candidates for the B.A. with the departmental field in music must also:

- a. Demonstrate a minimal level of competency on the piano.
- b. Participate in one of the college's performing groups during each quarter in residence following declaration of candidacy for the degree.
- c. All music majors are expected to earn 12 units of applied music credit within the period of their residency at Dominguez Hills. Six units may be earned by participating in any of the following classes as many times as the student desires:
  - Music 180. College Chorale
  - Music 190. Early Instruments
  - Music 192. Chamber Orchestra
  - Music 295. Performance

Six additional units must be taken within the student's major applied performance area. Three of these last six units must be taken for credit on campus (where such a course is available) at the 200-level (private lessons). Up to three of the total six units may be either at the 100-level (classes) or by outside lessons when the student petitions for credit and is heard by a faculty jury.

### REQUIREMENTS FOR THE MINOR IN MUSIC

#### *Lower Division*

Recommended Courses:

Music 110–111–112. Music Theory I, II, III

#### *Upper Division*

A. Required Courses (12 units):

Music 216. Medieval and Renaissance Music

Music 217. Baroque and Classical Music

Music 218. Romantic and Early Modern Music

## Music

B. Three full courses (12 units) selected from the list below:

- Music 210. Advanced Music Theory I
- Music 211. Advanced Music Theory II
- Music 212. Advanced Music Theory III
- Music 214. Instrumentation
- Music 215. Composition
- Music 250. American Music
- Music 251. Music of Latin America
- Music 252. Afro-American Music
- Music 254. Folk Music of Mexico
- Music 255. Music of China, Japan, and Korea
- Music 265. Special Studies in Music
- Music 270. Twentieth Century Composers: Their Writings and Their Music

C. Recommended Courses:

Six units of applied music—three in ensemble work and three in a major performing area.

### COURSE OFFERINGS IN MUSIC

#### Lower Division

**100. BASIC STUDIES MUSIC.** An introduction to the technique of listening to music. The elements of music, basic principles of continuity, and their realizations in large structures will be studied in music drawn from all periods of history.

Full Course (4)

**101. EXPERIENCING MUSIC.** Creative workshop for students with or without prior musical training. Exploration of listening, performing, and composing as the means for experiencing various styles, such as jazz, rock, classical, and avant-garde music. Discussion of theory and aesthetics.

Full Course (4)

**110. MUSIC THEORY I.** An introduction to the basic theory of music with emphasis on materials derived from the common practice of the Classical period: the vocabulary of diatonic scales and modes, chords and their relationships, harmonic analysis, sight-singing, keyboard harmony, dictation, rhythmic drills, and other forms of instruction.

Full Course (4)

**111. MUSIC THEORY II.** Detailed examination, in theoretical as well as applied contexts, of the interchangeability of the modes, secondary dominants, non-dominant harmony, and other basic altered-chord types characteristic of the common-practice period. *Prerequisite: Music 110.*

Full Course (4)

**112. MUSIC THEORY III.** Enlargement and application of the vocabulary of chromatic and modulatory concepts as practiced in the late Classical and early Romantic periods. *Prerequisite: Music 111.*

Full Course (4)

**180. COLLEGE CHORALE.** Performance of the outstanding choral literature of all periods. *Three hours per week plus additional work by arrangement.*

One-Fourth Course (1) \*

**181. CLASS VOICE.** A small class for the study of literature and techniques of the solo song. *Two hours per week.*

One-Fourth Course (1) \*

\* Repeatable Course.

- 190. EARLY INSTRUMENTS.** Study and repertory of some of the instruments of the early periods of music history. Elementary principles of playing the recorder, lute, viola da gamba, and harpsichord. *Two hours per week.*

One-Fourth Course (1) \*

- 191. CLASS PIANO.** A study of the technique and literature of the piano conducted on a small class basis and using private lessons when appropriate. *Two hours per week. Primarily for music majors; others by consent of instructor.*

One-Fourth Course (1) \*

- 192. CHAMBER ORCHESTRA.** Study, rehearsal, and performance in concert of music from representative periods for a small orchestra. *Prerequisite: Ability to perform on an appropriate instrument.*

One-Fourth Course (1) \*

### *Upper Division*

- 210. ADVANCED MUSIC THEORY I.** Acoustics as a basis of musical systems. Notation. Structuring of time in music of Western and non-Western cultures. Emphasis on rhythm and performance of time. *Prerequisite: Music 112.*

Full Course (4)

- 211. ADVANCED MUSIC THEORY II.** Structuring and perception of melody and its relationship to musical texture. Scales and other systems of linear organization in Western and non-Western cultures. Emphasis on melodic perception and performance. *Prerequisite: Music 210.*

Full Course (4)

- 212. ADVANCED MUSIC THEORY III.** Usage and perception of texture and structure. Harmony and simultaneity in Western and non-Western music. In-depth analysis of complete musical composition. Musical analysis as an approach to performance. *Prerequisite: Music 211.*

Full Course (4)

- 213. COUNTERPOINT.** Counterpoint as a linear mode of compositional technique in Western music. Modal, tonal, and post-tonal practices. *Prerequisite: Music 212 or consent of instructor.*

Full Course (4)

- 214. INSTRUMENTATION.** An exploration of the acoustical and musical characteristics of all the major orchestral and band instruments. Combinations of instruments, both as families and mixed ensembles, will be examined and written for. *Prerequisite: Music 213 or consent of instructor.*

Full Course (4)

- 215. COMPOSITION.** Creative application of the musical principles studied in Music 210 through 214. Examination of a wide variety of compositional resources, from traditional instruments and the voice to new instruments, electronics, and computers. *Prerequisite: Music 214 or consent of instructor.*

Full Course (4) \*

- 216. MEDIEVAL AND RENAISSANCE MUSIC.** An exploration of the development of music from the medieval period to Renaissance. Study of styles of music to uncover the various musical, aesthetic, and social determinants underlying the musical literature. *Prerequisite: Senior standing or consent of instructor.*

Full Course (4)

\* Repeatable Course.

## Music

- 217. BAROQUE AND CLASSICAL MUSIC.** A continuation of Music 216. *Prerequisite: Music 216 or consent of instructor.*  
Full Course (4)
- 218. ROMANTIC AND EARLY MODERN MUSIC.** A continuation of Music 217. *Prerequisite: Music 217 or consent of instructor.*  
Full Course (4)
- 250. AMERICAN MUSIC.** 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.  
Full Course (4)
- 251. MUSIC OF LATIN AMERICA.** An investigation of the Indian, Spanish, and modern influences to be found in the folk, popular, and concert hall music of selected Latin American countries. Study and analysis of leading Latin American composers.  
Full Course (4)
- 252. AFRO-AMERICAN MUSIC.** 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.  
Full Course (4)
- 253. MUSIC FOR THE THEATER.** A historical survey of opera and American musical theater. *Prerequisite: Consent of instructor.*  
Full Course (4)
- 254. FOLK MUSIC OF MEXICO.** Historical development of the folk music of Mexico. Study and analysis of the musical and poetical techniques employed within the different regional styles and categories.  
Full Course (4)
- 255. MUSIC OF CHINA, JAPAN, AND KOREA.** An introduction to the musical cultures of China, Japan, and Korea with emphasis on their instruments and musical system; relationships of the music to the social and intellectual milieu.  
Full Course (4)
- 260. CONDUCTING.** An introduction to the basic techniques of conducting both instrumental and choral groups. Emphasis on practical laboratory work. *Prerequisite: Music 210-211-212 or consent of instructor.*  
Three-Fourths Course (3)
- 265. SPECIAL STUDIES IN MUSIC.** The detailed study of a composer, a genre, or a movement in the history of music. *Prerequisite: Music 100 or consent of instructor.*  
Full Course (4)
- 270. TWENTIETH CENTURY COMPOSERS: THEIR WRITINGS AND THEIR MUSIC.** An interdisciplinary course examining some of the outstanding music and documents of twentieth century composers (such as the books of Stravinsky, Schonberg, Bartok, and Ives) to increase understanding of their ideas and music. *Prerequisite: Music 100 or equivalent or consent of instructor.*  
Full Course (4)
- 281. ADVANCED VOICE CLASS.** A continuation of Music 181. Advanced voice literature and techniques. *Prerequisite: Music 181 or consent of the instructor.*  
One-Fourth Course (1) \*

\* Repeatable Course.

- 288. INDIVIDUAL LESSONS—WOODWINDS.** Individual instruction for advanced students of woodwind instruments who are music majors. *Prerequisite: Considerable prior experience and consent of the instructor.*

One-Fourth (1) \*

- 289. INDIVIDUAL LESSONS—STRINGS.** Individual instruction for advanced students of string instruments who are music majors. *Prerequisite: Considerable prior experience and consent of instructor.*

One-Fourth Course (1) \*

- 290. INDIVIDUAL LESSONS—BRASS INSTRUMENTS.** Individual instruction for advanced students of brass instruments who are music majors. *Prerequisite: Considerable prior experience and consent of instructor.*

One-Fourth Course (1) \*

- 291. INDIVIDUAL LESSONS—PIANO.** Individual instruction for advanced students of piano who are music majors of upper division standing. Exploration of keyboard literature from all important periods. *Prerequisite: Consent of instructor.*

One-Fourth Course (1) \*

- 293. BRASS INSTRUMENTS.** Introduction to the principles and literature of brass instruments with emphasis on skills necessary for future teachers of instrumental ensembles.

One-Fourth Course (1) \*

- 294. STRING INSTRUMENTS.** Introduction to the principles and literature of string instruments, with emphasis on skills necessary for future teachers of instrumental ensemble.

One-Fourth Course (1) \*

- 295. PERFORMANCE.** A course devoted to the performance of solo or chamber music literature taken from a wide variety of periods in music history.

One-Fourth Course (1) \*

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\* Repeatable Course.

## NATURAL SCIENCES AND MATHEMATICS

### COURSE OFFERINGS

#### *Lower Division*

- 120. INTRODUCTION TO COMPUTERS AND DATA PROCESSING.** Introduction to computer systems, with emphasis on the impact of computers and their use; elements of programming. (Same as Business Administration 170.)

Full Course (4)

#### *Upper Division*

- 209. COOPERATIVE EDUCATION.** Students participate in an off-campus work program with an approved employer. Provides for an integration of academic study and related work experience with the objective of extending formal education beyond the classroom. *Registration requires permission of a departmental or interdepartmental Coordinator or the Director of Cooperative Education. Prerequisite: Sophomore, junior, or senior standing.*

One-Half Course (2) \* or Full Course (4) \*

\* Repeatable Course.

## PHILOSOPHY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN PHILOSOPHY

#### *Upper Division*

- A. Three courses in the history of philosophy:
  - Philosophy 211. History of Western Philosophy I
  - Philosophy 212. History of Western Philosophy II
  - Philosophy 213. History of Western Philosophy III
- B. Five additional upper division courses in Philosophy selected upon advisement.  
Students are urged to consult a departmental adviser at the beginning of the junior year to select the most appropriate courses for individual objectives.
- C. Philosophy 295. Seminar in Philosophy

### REQUIREMENTS FOR THE MINOR IN PHILOSOPHY

#### *Upper Division*

Six upper division courses in Philosophy, to be selected upon advisement.

### COURSE OFFERINGS IN PHILOSOPHY

#### *Lower Division*

- 101. MAN, VALUE AND SOCIETY.** A philosophical study of values and their implications for sociological, psychological, ecological, political, economical, and historical problems, and conflicts of our society.

Full Course (4)

- 102. MAN AND THE COSMOS.** An exploration of the relationship between man and the universe in light of scientific, religious, and philosophic literature.

Full Course (4)

#### *Upper Division*

- 211. HISTORY OF WESTERN PHILOSOPHY I.** Study of the philosophical foundations of the main sources of Western civilization in ancient Greek philosophy and in the Judeo-Christian tradition in early medieval thought.

Full Course (4)

- 212. HISTORY OF WESTERN PHILOSOPHY II.** The rise and further development of contemporary philosophy from late medieval and Renaissance era through continental rationalism, British empiricism, and the Enlightenment (Kant).

Full Course (4)

- 213. HISTORY OF WESTERN PHILOSOPHY III.** Exploration of nineteenth century European philosophical trends—German idealism and romanticism, Hegelianisms (Kierkegaard, Strauss, Feuerbach, Marx), British naturalism (including Darwinism) and utilitarianism, French spiritualism (from Maine de Biran through Bergson) and German neo-Kantianism, Nietzsche and Lebens-philosophie.

Full Course (4)

## Philosophy

- 215. ETHICS.** A critical examination of the nature of "good" and moral obligation, with consideration of some specific moral conflicts found in contemporary society.  
Full Course (4)
- 216. EVOLUTIONARY ETHICS.** Perennial moral problems related to the bio-cultural evolution of man.  
Full Course (4)
- 217. VALUES AND THE FUTURE.** Moral problems originating in technological changes emerging during the last decades of the twentieth century.  
Full Course (4)
- 218. PHILOSOPHY OF LOVE AND SEXUALITY.** A philosophical inquiry into the nature and different species (e.g., *philia*, *eros*, *agapé*) of love, its functional significance in sexuality, its metaphysical, epistemological, and ethical implications.  
Full Course (4)
- 219. BUSINESS ETHICS.** A critical analysis of the goals and means of business activities, their validity, their limits, their moral implications, and their relation to the humanistic ideals of the society.  
Full Course (4)
- 220. PHILOSOPHY OF ART.** An examination of the beliefs about art, the concepts used in thinking and talking about art, and the judgments made in critically evaluating works of art. Among topics to be considered: artistic creation, aesthetic experience, the work of art, criticism and evaluation.  
Full Course (4)
- 225. PHILOSOPHY IN LITERATURE.** Philosophical analysis of some central philosophical themes and ideas as expressed in works of literature; e.g., illusion and reality, the nature of man, freedom, responsibility, and the nature of value.  
Full Course (4)
- 226. SOCIAL PROBLEMS OF CONTEMPORARY ARTS.** An examination of some of the main problems which arise from the interaction of the arts and society; e.g., artistic freedom, censorship, morality, and obscenity.  
Full Course (4)
- 230. THE NATURE OF SCIENTIFIC AND HUMANISTIC INQUIRY.** An exploration of major questions in the philosophy of science and in the relationships between the sciences and the humanities.  
Full Course (4)
- 231. SOCIAL AND POLITICAL PHILOSOPHY.** Philosophy approached from the standpoint of political science, sociology, and anthropology.  
Full Course (4)
- 232. PHILOSOPHY OF LAW.** A critical investigation of the philosophical foundations of law in respect to the nature of law (e.g., the concept of "natural law" and its relation to "positive law"), the relationship between law and morality, and such basic legal concepts as justice, penalty, and responsibility.  
Full Course (4)
- 240. SYMBOLIC LOGIC.** Principles of symbolic logic and the standard notations and methods used in determining the validity and invalidity of arguments.  
Full Course (4)

- 245. METAPHYSICS.** A study of traditional systematic approaches in Occidental philosophy to such key concepts as substance, matter, causality, space and time, which underlie our comprehension of being.  
Full Course (4)
- 250. EPISTEMOLOGY.** An examination of the nature, conditions, range, and limits of knowledge.  
Full Course (4)
- 252. PHILOSOPHY OF NATURAL SCIENCE.** An introduction to the methodology of the natural sciences. Among topics to be considered: the role of induction, the nature of hypothesis, and the requirements for scientific explanation. *One or more of the following courses is recommended: Philosophy 230, Philosophy 240, or one or two courses in the natural sciences.*  
Full Course (4)
- 255. AMERICAN PHILOSOPHY.** Historical survey of American philosophy including analyses of American idealism, pragmatism, and critical realism.  
Full Course (4)
- 260. EXISTENTIALISM AND PHENOMENOLOGY.** Intensive analysis of a number of works of such major Continental thinkers as Husserl, Heidegger, Jaspers, Kierkegaard, Sartre, Marcel, and Merleau-Ponty.  
Full Course (4)
- 270. PHILOSOPHY IN THE MODERN WORLD.** Philosophy in relation to twentieth century thought and culture, with emphasis on the doctrinal complex: Man—Nature—Society—History.  
Full Course (4)
- 271. ANALYTIC PHILOSOPHY.** The history of the development of British philosophy from Moore, Russell, and Wittgenstein to the Oxford school of ordinary language.  
Full Course (4)
- 272. PHILOSOPHICAL ISSUES IN THIRD WORLD SOCIAL THOUGHT.** Philosophical analysis of some central ideas in Third World social thought: e.g., colonialism, nationalism, and reparations. Relation of these ideas to central themes in political philosophy, such as freedom, autonomy, and equality.  
Full Course (4)
- 280. PHILOSOPHY OF RELIGION.** A philosophical analysis of the nature of religion; fundamental concepts of God, the theistic proofs, evil, religious experience, and miracles; a consideration of religious language.  
Full Course (4)
- 281. PHILOSOPHICAL ANTHROPOLOGY.** Philosophy of man which attempts to comprehend human existence, i.e., the nature of man and his place in the universe from the perspective of history, language, the arts, technology, society, economy, myth, religion, and metaphysics.  
Full Course (4)
- 283. WORLD RELIGIONS.** A comparative study of the religions of the world; their rituals, the significance in their civilizations, and their philosophical implications.  
Full Course (4)
- 285. PHILOSOPHIES OF INDIA.** Study of Indian thought, from Rig Veda through the classical philosophies.  
Full Course (4)

## Philosophy

- 286. PHILOSOPHIES OF CHINA AND JAPAN.** Study of the nature and main trends of Chinese and Japanese philosophies.

Full Course (4)

- 295. SEMINAR IN PHILOSOPHY.** A critical analysis and interpretation of a major philosophical system or issue in respect to its presuppositions, task, method, problems, and solutions.

Full Course (4)

- 297. DIRECTED RESEARCH.** Small, informal group study of a particular philosophical problem or of the works of one philosopher or philosophical school. *Prerequisite: Consent of instructor.*

Full course (4) \*

- 298. INDEPENDENT STUDY.** Individual readings and reports. *Prerequisite: Senior standing and consent of the department head.*

Full Course (4)

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\* Repeatable Course.

## PHYSICAL EDUCATION AND RECREATION

The departmental program in Physical Education is designed to enable the student to investigate the health and cultural bases of physical activity in society.

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN PHYSICAL EDUCATION

#### *Lower Division*

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

- Biological Science 102. General Biology
- Chemistry 102. Basic Chemistry
- Mathematics 150. Elementary Statistics and Probability

#### *Upper Division*

- †Biological Science 256. Human Anatomy and Physiology
- Physical Education 201. Kinesiology
- Physical Education 203. Physiology of Exercise
- Physical Education 220. History and Philosophy of Physical Education
- Physical Education 222. Administration of Physical Education
- Physical Education 223. Organization and Administration of Intramural and Recreational Sports
- Physical Education 240. Analysis of Individual and Team Sports
- Physical Education 290. Senior Seminar in Physical Education
- Physical Education 297. Directed Studies

*Students should consult with faculty advisers concerning additional courses which may be recommended in accordance with their objectives.*

### REQUIREMENTS FOR THE MINOR IN PHYSICAL EDUCATION

#### *Prerequisites*

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

- Biological Science 102. General Biology
- Physical Education 100. Basic Studies Health
- Physical Education 118. First Aid and Emergency Care

#### *Required Courses*

- †Biological Science 256. Human Anatomy and Physiology
- Physical Education 201. Kinesiology
- Physical Education 203. Physiology of Exercise
- Physical Education 223. Organization and Administration of Intramural and Recreational Sports
- Physical Education 240. Analysis of Individual and Team Sports
- Physical Education 297. Directed Studies

† Consult course description for prerequisite.

## COURSE OFFERINGS

### Lower Division

- 100. BASIC STUDIES HEALTH.** A discussion of the broad aspects of health, including public health, economics of health, environmental health, mental health, and drugs and narcotics. *Two hours of lecture per week.*

One-Half Course (2)

- 118. FIRST AID AND EMERGENCY CARE.** Encouragement of good safety attitudes. Preparation for administering first aid and prevention of accidents and injuries. Instruction in obtaining treatment for common injuries and use of lifesaving skills.

One-Half Course (2)

- 131. LIFETIME SPORTS.** Instruction and participation in the following lifetime sports: archery/coed, badminton/coed, basketball/men, bowling/coed, fencing/coed, figure control/women, golf/coed, and tennis/coed. *Two hours of activity per week plus outside assignments.*

One-Fourth Course (1) \*

- 136. SPORTS IN AMERICAN LIFE.** Interrelationships of sports in American life emphasizing socio-cultural variables, changing patterns, current problems and trends. *Two hours of lecture per week. Prerequisite: Consent of instructor.*

Full Course (4)

- 150. INTERCOLLEGIATE ATHLETICS.** Instruction and participation in selected individual and team sports comprising the intercollegiate and extramural athletic programs. *Prerequisite: Consent of the instructor.*

One-Fourth Course (1) \*

### Upper Division

- 201. KINESIOLOGY.** Structure and action of organ systems of man during energy transfer, alteration of energy from potential to kinetic motion, and return to homeostasis after motion; motor learning; kinesthetic awareness; movement analysis. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 256.*

Full Course (4)

- 203. PHYSIOLOGY OF EXERCISE.** Examination of the adaptations and alternations of human physiology that facilitate locomotion, the chronic effects of physical activity and sedentary habits. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 256 and Health and Physical Education 201.*

Full Course (4)

- 220. HISTORY AND PHILOSOPHY OF PHYSICAL EDUCATION.** A historical study of changes in philosophy and practice in physical education, with emphasis on the identification of trends, issues and problems of the past which help to illuminate present development.

Full Course (4)

- 222. ADMINISTRATION OF PHYSICAL EDUCATION.** A study and critical analysis of the underlying philosophy and principles of administrative theory and practice. Includes the legal aspects on the national, state, and local levels. Establishes policies and procedures for the administration of sound programs of physical education as related to the total educational program in schools, colleges and universities. Treats the inter-relationships between segments of education and the community.

Full Course (4)

\* Repeatable Course.

- 223. ORGANIZATION AND ADMINISTRATION OF INTRAMURAL AND RECREATIONAL SPORTS.** Analysis of the theory and principles of organization of intramural and recreational sports. The establishment and implementation of administrative practices for intramural and recreational sports program. *Three hours of lecture and three hours of laboratory per week.*

Full Course (4) \*

- 225. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL.** Physical Education in the elementary schools, program organization and activities, including movement exploration, basic dance skills, and singing games. *One hour of lecture and three hours of laboratory per week.*

One-Half Course (2)

- 240. ANALYSIS OF INDIVIDUAL AND TEAM SPORTS.** Theory and analysis of movement patterns for individual and team sports. *Three hours of lecture and three hours of activity per week.*

Full Course (4)

- 260. PREVENTION AND TREATMENT OF ATHLETIC INJURIES.** Prevention, examination, and care of athletic injuries, methods of taping, bandaging, and therapeutic exercises applied to athletic injuries; diets; training room equipment, protective devices, and supplies. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 256 and Physical Education 118.*

Full Course (4)

- 261. TECHNIQUES OF OFFICIATING.** Lectures, discussion, demonstrations, and practice in officiating men's and women's sports. *Three hours of lecture and three hours of laboratory per week.*

Full Course (4)

- 270. ADAPTED PHYSICAL EDUCATION FOR THE HANDICAPPED.** Study of prevalent disabilities, with implications for program development, organization, administration and evaluation of adapted physical education at elementary and secondary levels. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physical Education 201.*

Full Course (4)

- 290. SENIOR SEMINAR IN PHYSICAL EDUCATION.** An integrative seminar designed to approach selected problems from the perspective of the sociological aspects of physical education. Intensive study of selected topics. *Prerequisite: Senior standing or consent of instructor.*

Full Course (4)

- 297. DIRECTED STUDIES.** Advanced study in physical education, with each student participating in a special project mutually agreed upon by student and instructor. *Prerequisite: Physical Education 240.*

One-Half Course (2) \* or Full Course (4) \*

\* Repeatable Course.

## PHYSICS

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN PHYSICS

#### *Lower Division*

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

Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV

Physics 110-112-114. General Physics

Chemistry 110-112-114. General and Quantitative Chemistry

Biological Science 102. General Biology *or*

Biological Science 110. Principles of Biology

#### *Upper Division*

Physics 210-212. Theoretical Mechanics I, II

Physics 216. Introductory Modern Physics

Physics 220. Physical Optics

Physics 230-232. Electricity and Magnetism I, II

Physics 231. Electrical Measurements

Physics 240. Thermodynamics

Physics 260. Quantum Mechanics

Physics 281. Laboratory on Selected Topics in Physics

### REQUIREMENTS FOR THE MINOR IN PHYSICS

#### *Prerequisites*

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

Chemistry 110-112. General and Quantitative Chemistry

Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, and IV

Physics 110 and 112 *or* 114. General Physics

#### *Required Courses*

Physics 210. Theoretical Mechanics I

Physics 216. Introductory Modern Physics

Physics 231. Electrical Measurements

Two courses selected from the following list:

†Physics 212. Theoretical Mechanics II

†Physics 220. Physical Optics

†Physics 230. Electricity and Magnetism I

†Physics 232. Electricity and Magnetism II

†Physics 240. Thermodynamics

†Physics 260. Quantum Mechanics

† Consult course descriptions for prerequisites.

## COURSE OFFERINGS IN PHYSICS

*Lower Division*

**101. INSIGHTS IN CONTEMPORARY PHYSICS.** An in-depth, nonmathematical look at an important area or application of modern physics which is of interest to non-scientists. Topics vary by quarter and section; representative topics: Energy and Ecology; Household Physics; Physics and Art; Sound and Music. *Consult Class Schedule for topics by course sections.*

Full Course (4)

**110. GENERAL PHYSICS.** Kinematics, particle dynamics, conservation theorems, angular momentum and gravitation. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Mathematics 112, Chemistry 112 (or consent of instructor).*

Full Course (4)

**112. GENERAL PHYSICS.** Wave motion, heat and kinetic theory, geometrical and wave optics. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 110.*

Full Course (4)

**114. GENERAL PHYSICS.** Electrical phenomena, Coulomb's law, the electric field, Gauss' law, potential, the magnetic field, Ampère's law, Faraday's law. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 110.*

Full Course (4)

**120. ELEMENTS OF PHYSICS.** A non-calculus course with topics to include motion, energy and waves. Illustrations chosen from biological systems. *Three hours of lecture and three hours of laboratory per week.*

Full Course (4)

**122. ELEMENTS OF PHYSICS.** A continuation of Physics 120. Topics include electricity and magnetism, light, thermal processes, nuclear radiation and quantum phenomena. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 120.*

Full Course (4)

**124. PHYSICS AND THE LIFE SCIENCES.** An in-depth study of representative biological problems in the context of physical processes, including an exploration of the electromagnetic and acoustical spectra. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Sciences 114 and Physics 122, or consent of instructor.*

Full Course (4)

**150. PHYSICAL GEOLOGY.** An introduction to the fundamental principles of physical geology. Consideration is given to rocks and minerals, structure and deformation of the earth's crust, and erosional processes. *Three hours of lecture and three hours of laboratory per week. Prerequisite: High school chemistry or consent of instructor.*

Full Course (4)

**156. PHYSICS OF THE EARTH.** An integration of basic concepts in oceanography, meteorology, and geology, with special emphasis on Southern California. Topics include: the red tide, smog, earthquakes, and, weather permitting, some star gazing. *Prerequisite: Completion of General Education Natural Science requirement.*

Full Course (4)

**160. ELEMENTARY ASTRONOMY.** Historical background, celestial coordinates, planets, origin of the solar system, the sun, structure and evolution of stars, interstellar matter, galaxies, neutron stars, black holes, cosmology. *Observations and field trips. Primarily for non-physical science majors.*

Full Course (4)

## Physics

### Upper Division

#### **206. MODERN PHYSICS: ITS IMPACT ON TWENTIETH CENTURY THOUGHT.**

Survey of major concepts of twentieth century physics and their implications for society, the humanities and fine arts, philosophy, cosmology, religion, and other branches of knowledge. Emphasis on cultural, rather than technological, topics.

Full Course (4)

#### **210. THEORETICAL MECHANICS I.** Newtonian dynamics of one and two particles.

*Prerequisite: Physics 112 or 114, and Mathematics 116 or concurrent enrollment in Mathematics 116.*

Full Course (4)

#### **212. THEORETICAL MECHANICS II.** Many-particle systems, Lagrange's and Hamilton's equations of motion. *Prerequisite: Physics 210.*

Full Course (4)

#### **216. INTRODUCTORY MODERN PHYSICS.** Relativity theory, selected topics in atomic, nuclear, and solid state physics. *Prerequisite: Physics 110.*

Full Course (4)

#### **220. PHYSICAL OPTICS.** Interference, diffraction, refraction, reflection, dispersion, resolution, and polarization. Optical systems and instruments. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 112 and Mathematics 114.*

Full Course (4)

#### **230. ELECTRICITY AND MAGNETISM I.** The electrostatic field; Gauss' theorem, potential functions; Laplace and Poisson equations; steady state current circuits. *Prerequisite: Physics 114, and Mathematics 116 or concurrent enrollment in Mathematics 116.*

Full Course (4)

#### **231. ELECTRICAL MEASUREMENTS.** Exercises and experiments involving the selection and utilization of electronic instrumentation. Emphasizes practical solid state circuit design and construction. Course content applicable in all areas of science. Advanced project individually tailored to each student's needs and interests. *One hour of lecture and three hours of laboratory per week. Prerequisite: Consent of instructor or Physics 114.*

One-Half Course (2)

#### **232. ELECTRICITY AND MAGNETISM II.** Transient and alternating current circuits; Maxwell's equations, electromagnetic wave propagation. *Prerequisite: Physics 230.*

Full Course (4)

#### **240. THERMODYNAMICS.** First and second laws of thermodynamics; entropy; equations of state. *Prerequisite: Physics 112 and Mathematics 114.*

Full Course (4)

#### **250. SPACE PHYSICS.** A study of physical phenomena of interplanetary and interstellar space; interaction between radiation and the earth's atmosphere. *Prerequisite: Physics 112 and Physics 114.*

Full Course (4)

#### **252. GEOPHYSICS.** An introduction to the principal methods for, and results of, the application of physics to the study of the earth. *Prerequisite: Physics 114, Mathematics 114, or equivalent.*

Full Course (4)

- 256. ASTROPHYSICS.** A quantitative study of solar and stellar astronomy with emphasis on methods of astronomical measurements and calculations. *Prerequisite: Physics 112 and 114.*  
Full Course (4)
- 258. MINERALOGY AND PETROLOGY.** Aspects of the minerals and rocks which form the earth's crust. Rock forming minerals; igneous, sedimentary, and metamorphic rocks. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Physics 150.*  
Full Course (4)
- 260. QUANTUM MECHANICS.** Postulates derivations of important theorems, and simple applications of quantum theory. *Prerequisite: Physics 210 and Physics 216.*  
Full Course (4)
- 262. SOLID STATE PHYSICS.** Application of quantum mechanics to the solid state. *Prerequisite: Physics 260.*  
Full Course (4)
- 264. NUCLEAR PHYSICS.** A study of nuclear forces, interaction of radiation with matter, fundamental particles, nuclear fission and fusion; nuclear energy. *Prerequisite: Physics 260.*  
Full Course (4)
- 281. LABORATORY ON SELECTED TOPICS IN PHYSICS.** Advanced laboratory work for small groups of physics majors. *Six or twelve hours of laboratory per week. Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*
- 294. COLLOQUIUM IN PHYSICS.** A weekly discussion and reporting group concerned with new and advanced topics in physics; involves journal reading. Open to students majoring in the sciences and mathematics.  
One-Fourth Course (1) \*
- 295. SELECTED TOPICS IN PHYSICS.** *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*
- 297. DIRECTED RESEARCH.** Advanced laboratory work, with each student undertaking an independent and original investigation. *Six or twelve hours of laboratory per week. Prerequisite: Senior standing and consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*

\* Repeatable Course.

## POLITICAL SCIENCE

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN POLITICAL SCIENCE

#### *Lower Division*

- Political Science 151. Quantitative Methods of Political Analysis *or*  
Mathematics 150. Elementary Statistics and Probability

#### *Upper Division*

- A. One course in the history of political thought, selected from:  
Political Science 250. History of Political Ideas  
Political Science 251. Modern Political Thought  
Political Science 252. Theories of the Political System
- B. One course in American government, selected from:  
Political Science 210. Issues in American National Government  
Political Science 214. American Political Parties and Elections  
Political Science 215. Congress and the President  
Political Science 260. American Constitutional Law: Distribution of Power  
Political Science 261. American Constitutional Law: Civil Rights
- C. One course in comparative government, selected from:  
Political Science 239. Government and Politics of the Soviet Union  
Political Science 240. Government and Politics of Western Europe  
Political Science 241. Government and Politics of East Asia  
Political Science 242. Government and Politics of South Asia  
Political Science 243. Political Behavior in Latin America  
Political Science 244. Latin America: The Revolutionary Tradition  
Political Science 248. The Politics of the Developing Areas  
Political Science 249. Government and Politics of Sub-Saharan Africa
- D. One course in international relations and foreign policy, selected from:  
Political Science 234. American Foreign Policy  
Political Science 235. International Politics  
Political Science 236. Theories of International Relations  
Political Science 237. Soviet Foreign Policy  
Political Science 238. New States in World Politics
- E. Four additional courses in political science selected upon departmental advisement.
- F. Political Science 295. Seminar in Political Science

### REQUIREMENTS FOR THE MINOR IN POLITICAL SCIENCE

#### *Upper Division*

- Six upper division courses in Political Science, which may include Political Science 295.

## COURSE OFFERINGS IN POLITICAL SCIENCE

*Lower Division*

- 100. BASIC STUDIES POLITICAL SCIENCE.** An introductory analysis of important issues in world affairs, such as the Sino-Soviet split, the Israeli-Arab conflict, the India-Pakistan-Bangladesh dispute, the rise of non-aligned nations, Cuba and the United States, and the rise of Japan and China to major power status.

Full Course (4)

- 101. AMERICAN INSTITUTIONS.** A study of the ideals, creeds, structures and behavior of the peoples of the United States, including analysis of the various forces and circumstances pertaining to the evolution of American institutions on the federal, state and local levels. *Meets State requirement in United States Constitution, American History and California State and Local government.*

Full Course (4)

- 151. QUANTITATIVE METHODS OF POLITICAL ANALYSIS.** An introduction to the techniques of quantitative political analysis, including the design, execution, and analysis of research.

Full Course (4)

*Upper Division*

- 210. ISSUES IN AMERICAN NATIONAL GOVERNMENT.** A critical evaluation of leading questions currently at issue in American government at the national level. Issues might include those related to federalism, judicial review, the role of government in the economy, and the conduct of foreign affairs.

Full Course (4)

- 213. INTRODUCTION TO PUBLIC ADMINISTRATION.** 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 and with special attention to the relationship of public administration and democratic government.

Full Course (4)

- 214. AMERICAN POLITICAL PARTIES AND ELECTIONS.** 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.

Full Course (4)

- 215. CONGRESS AND THE PRESIDENT.** An analysis of development and operation of the elected decisionmaking structures of the United States government. Particular focus on the interrelationships between the Congress and the President.

Full Course (4)

- 218. THE POLITICS OF POVERTY.** Analysis of the politics of the "War on Poverty," beginning with the bill that created the Federal Office of Economic Opportunity. Focus on the "new" politics of poverty with respect to the wide range of economic, social and human problems which it has attempted to solve.

Full Course (4)

- 220. URBAN GOVERNMENT AND POLITICS.** American municipal, county and special districts and their relationship to state governments; problems of legislature, elections, politics, parties, and interest groups; metropolitan government.

Full Course (4)

## Political Science

- 221. MEXICAN AMERICAN POLITICS.** An analysis of the political evolution of the Mexican American community in the context of American politics today.

Full Course (4)

- 223. BLACK POLITICS.** 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.

Full Course (4)

- 232. INTERNATIONAL SECURITY STUDIES.** 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.

Full Course (4)

- 233. MODERN CHINESE FOREIGN RELATIONS.** Analysis of the cultural, social, economic and political changes and developments in China from 1949 to the present as they affect Chinese foreign relations. Examination of the Hundred Flowers Campaign, the Chinese communes, the Sino-Soviet split, the Proletarian Cultural Revolution, the cult of Mao and the background to developing foreign relations with the United States.

Full Course (4)

- 234. AMERICAN FOREIGN POLICY.** 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.

Full Course (4)

- 235. INTERNATIONAL POLITICS.** Theories, principles and practice of international politics; examination of role of nationalism, diplomacy, war alliances, international law and organization in current international political problems.

Full Course (4)

- 236. THEORIES OF INTERNATIONAL RELATIONS.** Analysis of action and interaction of states: decisionmaking, capability analysis, balance and imbalance, systems analysis, communication, crisis, and game theory.

Full Course (4)

- 237. SOVIET FOREIGN POLICY.** An analysis of Soviet foreign policy decisionmaking, focusing on the national instruments of policy, Soviet interaction with the Communist party-states, the developing nations and the West.

Full Course (4)

- 238. NEW STATES IN WORLD POLITICS.** An analysis of the impact of the "Third World" in international politics since 1945: their policies, problems and prospects.

Full Course (4)

- 239. GOVERNMENT AND POLITICS OF THE SOVIET UNION.** An analysis of the government and politics of the Soviet Union, with special emphasis on the dual role of the USSR as ideological leader and national state.

Full Course (4)

- 240. GOVERNMENT AND POLITICS OF WESTERN EUROPE.** A comparative study of the governments of Great Britain, France, Western Germany, and Italy. The structure of parliamentary government, party systems, and political leadership will be studied. Some attention will also be given to the smaller states of Europe.

Full Course (4)

- 241. GOVERNMENT AND POLITICS OF EAST ASIA.** 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.  
Full Course (4)
- 242. GOVERNMENT AND POLITICS OF SOUTH ASIA.** The governments of South Asia: India, Pakistan, and Ceylon. Consideration of the problems of transition from colony to independent nation and of the politics of economic and social development in South Asia. Examination of domestic and foreign policies within this context.  
Full Course (4)
- 243. POLITICAL BEHAVIOR IN LATIN AMERICA.** Analysis of political and cultural behavior in South America with a focus on Brazil, Argentina, Chile, Peru, Colombia, and Venezuela. Comparative analysis emphasizing socio-political institutions, elites, and interest groups.  
Full Course (4)
- 244. LATIN AMERICA: THE REVOLUTIONARY TRADITION.** A comparative analysis of the causes of the socio-political revolutionary process in Cuba, Mexico and Bolivia, with an emphasis upon the post-revolutionary developmental policies and focusing on ideas, institutions and groups.  
Full Course (4)
- 247. COMPARATIVE COMMUNIST SYSTEMS AND MOVEMENTS.** An analysis of the origins and development of modern Communist doctrines; applications of these doctrines in the practices of Communist systems and movements; analysis of the relations among the several Communist states and parties.  
Full Course (4)
- 248. THE POLITICS OF DEVELOPING AREAS.** Consideration of the political processes of the "emerging nations" of Africa, Latin America, and Asia. Analysis of the problems of transition from colony to nation-state and the obstacles faced generally by the "Third World" in the management of political, economic, and social change and modernization.  
Full Course (4)
- 249. GOVERNMENT AND POLITICS IN SUB-SAHARAN AFRICA.** A study of the dynamics of government and politics in Africa south of the Sahara Desert with special emphasis on developments since World War II. Imperialism and colonial administration, nationalism and decolonization treated as background to the problems of modernization and nation-building.  
Full Course (4)
- 250. HISTORY OF POLITICAL IDEAS.** A critical analysis of the major political philosophers 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.  
Full Course (4)
- 251. MODERN POLITICAL THOUGHT.** A study of principal political philosophers from the sixteenth century to the present, including Hobbes, Locke, Rousseau, Burke, and Hegel. The ideological systems of liberalism, conservatism, historical materialism, socialism and others examined critically.  
Full Course (4)
- 252. THEORIES OF THE POLITICAL SYSTEM.** A critical survey of the contemporary concepts and theoretical formulations in political science.  
Full Course (4)

## Political Science

- 254. AMERICAN POLITICAL THOUGHT.** The origin and development of political ideas in the United States from the colonial period to the present. Evaluation of the thought of men who have shaped the American political tradition, and the interaction of economic, social, and geographic forces influencing political ideas.  
Full Course (4)
- 260. AMERICAN CONSTITUTIONAL LAW: DISTRIBUTION OF POWER.** 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.  
Full Course (4)
- 261. AMERICAN CONSTITUTIONAL LAW: CIVIL RIGHTS.** 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.  
Full Course (4)
- 270. PUBLIC OPINION AND PROPAGANDA.** 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.  
Full Course (4)
- 271. CONFLICT AND VIOLENCE.** Examination of various social science theories of conflict and aggression, as applied to the analysis of international and domestic violence, protest, and political change.  
Full Course (4)
- 273. PSYCHOLOGY AND POLITICS.** Examination of various psychological assumptions about human nature and methods for studying human behavior as these are applied to the analysis of political life.  
Full Course (4)
- 275. HUMANISM, TECHNOLOGY AND POLITICS.** Relates principles of humanism to a number of contemporary social and political issues, including problems of modern science and technology, ecology, and human relations.  
Full Course (4)
- 292. SPECIAL TOPICS IN POLITICAL SCIENCE.** 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.  
Full Course (4)
- 295. SEMINAR IN POLITICAL SCIENCE.** A critical examination of current developments and issues in the literature of political science. *Prerequisite: Senior standing and consent of instructor.*  
Full Course (4)
- 298. INDEPENDENT STUDY.** Independent study of a particular problem under the direction of a member of the political science department. *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*

## Graduate

- 410. STUDIES IN POLITICAL BEHAVIOR.** A study of man's political beliefs, values and goals as the bases for his political behavior. Includes analysis of directly and indirectly observable political action and also those perceptual, motivational, and attitudinal components of behavior which make for man's political identifications, demands and expectations. *Prerequisite: Graduate standing and consent of instructor.*  
Full Course (4)

\* Repeatable Course.

## PSYCHOLOGY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN PSYCHOLOGY

#### *Lower Division*

- Psychology 125. Introduction to Research Methods  
Psychology 150. Elementary Statistical Analysis in Psychology *or*  
Mathematics 150. Elementary Statistics and Probability

#### *Upper Division*

- A. Two courses to provide research experience in different content areas of psychology. Select from the following:  
Psychology 210. Fundamentals of Learning  
Psychology 211. Human Learning  
Psychology 216. Sensation and Perception  
Psychology 217. Neuropsychology  
Psychology 218. Comparative Psychology  
Psychology 243. Research in Social Psychology  
Psychology 261. Research in Personality
- B. One course to provide a foundation in the quantitative methods of psychology. Select from the following:  
Psychology 230. Behavioral Statistics and Research Design  
Psychology 231. Measurement in Psychology
- C. Psychology 205. History and Systems of Psychology
- D. Four additional courses in the department, chosen in consultation with the student's adviser (may include courses not chosen in A and B above).
- E. Psychology 295. Senior Seminar in Psychology

### REQUIREMENTS FOR THE MINOR IN PSYCHOLOGY

24 units (6 courses) selected from upper division Psychology courses, except Psychology 295. No more than 4 units in Psychology 297 or 298 (Directed Research and Independent Study) may be counted toward the minor. Psychology 125 may be substituted for 1 upper division course.

### COURSE OFFERINGS IN PSYCHOLOGY

#### *Lower Division*

- 100. BASIC STUDIES PSYCHOLOGY.** The dimensions, concepts, theories, and applications of psychology. The relationships between psychology and other disciplines.  
Full Course (4)

## Psychology

**125. INTRODUCTION TO RESEARCH METHODS.** Examination of the design, conduct, and interpretation of research studies, both experimental and non-experimental, as demonstrated in a wide range of psychological phenomena. Includes a consideration of philosophy of science and preparation of research reports. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Psychology 150 or Mathematics 150 and Psychology 100. Note: Students are encouraged to take this course as early in their program as possible.*

Full Course (4)

**150. ELEMENTARY STATISTICAL ANALYSIS IN PSYCHOLOGY.** The application of descriptive and inferential statistics to the design and analysis of psychological research.

Full Course (4)

### Upper Division

**205. HISTORY AND SYSTEMS OF PSYCHOLOGY.** The study of the development of psychology as a discipline, and the influence of principal leaders on modern psychology.

Full Course (4)

**210. FUNDAMENTALS OF LEARNING.** Human and animal conditioning, extinction, generalization and discrimination with emphasis on experimental findings and methodology. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Psychology 150 or Mathematics 150 and Psychology 125.*

Full Course (4)

**211. HUMAN LEARNING.** An examination of method, theory and experimental evidence in the areas of verbal learning and verbal behavior, memory, transfer, and language. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Psychology 125 and 150. (Psychology 210 recommended.)*

Full Course (4)

**212. THEORIES OF LEARNING.** Consideration of the major theories of learning and their experimental bases.

Full Course (4)

**213. MOTIVATION AND EMOTION.** The consideration of theories of motivation and emotion including an intensive study of experimental research on drives, needs, preferences, and situational determinants of behavior. *Prerequisite: Psychology 150 or Mathematics 150 and Psychology 125.*

Full Course (4)

**216. SENSATION AND PERCEPTION.** A critical examination of the physiological mechanisms of various sense modalities, and the aesthetic and social factors involved in perception and complex human and animal behavior. *Three hours of lecture and three hours of laboratory per week, with field observation by arrangement. Prerequisite: Psychology 150 or Mathematics 150 and Psychology 125.*

Full Course (4)

**217. NEUROPSYCHOLOGY.** The study of the neurophysiological mechanisms of human and animal behavior. Review of the anatomy and physiology and the central and peripheral nervous systems relative to specific problems in psychology. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Psychology 150 or Mathematics 150 and Psychology 125.*

Full Course (4)

- 218. COMPARATIVE PSYCHOLOGY.** A systematic investigation of the evolution of behavior, based on a comparative study of a number of species, and leading to the development of psychological principles. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Psychology 150 or Mathematics 150 and Psychology 125.*

Full Course (4)

- 230. BEHAVIORAL STATISTICS AND RESEARCH DESIGN.** The applications of statistical techniques to problems in the behavioral sciences. Discussion of problems in hypothesis formulation, sampling techniques, distribution-free statistics, multivariate data analysis and presentation of results. *Two hours of lecture and discussion and four hours of laboratory per week. Prerequisite: Mathematics 150.*

Full Course (4)

- 231. MEASUREMENT IN PSYCHOLOGY.** Fundamentals of psychological measurement. Reliability, validity, item analysis, norms, and test construction and selection. Experience in administering, scoring, and interpreting tests of intelligence, aptitude, and personality. *Three hours of lecture and discussion and two hours of laboratory per week. Prerequisite: Mathematics 150.*

Full Course (4)

- 240. SOCIAL PSYCHOLOGY: PSYCHOLOGICAL PERSPECTIVE.** A broad survey of theories and research areas in social psychology. Including such topics as aggression, prejudice, person perception, leadership and conformity.

Full Course (4)

- 243. RESEARCH IN SOCIAL PSYCHOLOGY.** Laboratory experience in planning and executing experiments and studies. Social psychological techniques and methods of investigation. A consideration of research procedures such as correlational and field study, role play, simulation, and experimental and laboratory methods such as the scenario approach. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Psychology 125 and 240.*

Full Course (4)

- 245. FIELDWORK IN SOCIAL PSYCHOLOGY.** Intensive supervised experience in various settings, such as educational, community, and correctional institutions. Primary emphasis on the understanding and integration of the manifestation of concepts and variables of social psychology; e.g., expectancies, attitudes, group dynamics, research and methodology, aggression, perception, affiliation. *Prerequisite: Psychology 240 and consent of instructor.*

Full Course (4)

- 250. DEVELOPMENTAL PSYCHOLOGY.** The intellectual, psychological, and social development of the child from birth to young adulthood. *Three hours of lecture per week, with fieldwork by arrangement.*

Full Course (4)

- 251. PSYCHOLOGY OF ADOLESCENT EXPERIENCE.** Consideration of the major theories and research concerning development during adolescence. Emphasis on the development of personal identity as it relates to social roles in adolescence. *Three hours of lecture, with field work by arrangement.*

Full Course (4)

- 255. FIELDWORK IN DEVELOPMENTAL PSYCHOLOGY.** Intensive supervised experience in various settings such as research laboratories, schools and community agencies in observing, recording, and interpreting individual and group behavior of children and adolescents. *Prerequisites: Psychology 250 and consent of instructor.*

Full Course (4)

## Psychology

**260. THEORIES OF PERSONALITY.** A study of basic theories of personality including type theories; trait theories; psychoanalytic, learning, biosocial, self, and holistic-integrative theories.

Full Course (4)

**261. RESEARCH IN PERSONALITY.** A research-oriented study of issues and problems in personality, with emphasis on research methods and interpretation of research findings. Biological determinants, development, structure, dynamics, stability, and disturbance of personality. *Three hours of lecture and discussion and three hours of laboratory per week. Prerequisites: Psychology 260 and Psychology 125.*

Full Course (4)

**263. THE ABNORMAL PERSONALITY.** The causes and manifestations of abnormal behavior. Field study and case study. *Three hours of lecture, with fieldwork by arrangement.*

Full Course (4)

**264. INTRODUCTION TO CLINICAL PSYCHOLOGY.** An overview of psychology in the clinical situation. The scope, ethics, theories, and methods of clinical psychology. *Field observations by arrangement. Prerequisite: Psychology 260 and Psychology 263.*

Full Course (4)

**265. COUNSELING THEORY.** Basic theories and their uses in relation to personality problems. *Three hours of lecture with laboratory and fieldwork by arrangement. Prerequisite: Psychology 260.*

Full Course (4)

**266. FIELDWORK IN CLINICAL PSYCHOLOGY.** Intensive supervised experience in various clinical placements, providing experience in crisis intervention, behavior therapy, the sociology of mental illness, and child therapy. *Prerequisite: Psychology 263 and consent of instructor.*

Full Course (4)

**276. PSYCHOLOGY OF FEMALE IDENTITY.** Antecedents of identity and the self concept of women. Intrapersonal dynamics and interpersonal relationships as affected by role socialization and the social environment.

Full Course (4)

**277. SEMINAR IN COGNITIVE PSYCHOLOGY.** Discussion of the major phenomena and theories concerning the higher mental processes. Critical reading in the areas of intelligence, human communication, symbolic processes, thinking, problem solving, creativity, and human learning. Readings from such theorists as Bloom, Bruner, Guilford, Piaget and others. *Prerequisite: Consent of instructor.*

Full Course (4)

**280. PSYCHOLOGY OF THE MEXICAN AMERICAN I.** The psychological development and socialization of the Mexican American. The Mexican American as unique from both mother culture and dominant culture, especially a consideration of how language, color, and socio-economic class affect the individual. *(Psychology 240 recommended.)*

Full Course (4)

**281. PSYCHOLOGY OF THE MEXICAN AMERICAN II.** Acculturation, roles and stereotypes, psychopathology and adjustment patterns in the Mexican American. *Prerequisite: Psychology 280 or the equivalent. (Psychology 240 recommended.)*

Full Course (4)

- 282. PSYCHOLOGICAL DEVELOPMENT OF THE BLACK CHILD.** Unique environmental influences on the psychological development of the Black child, from the prenatal period through elementary school. Emphasis on social, intellectual and emotional growth. *Three hours of lecture and fieldwork by arrangement.*  
Full Course (4)
- 283. PSYCHOLOGY OF THE BLACK EXPERIENCE.** 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.  
Full Course (4)
- 292. SEMINAR ON SPECIAL TOPICS IN PSYCHOLOGY.** An intensive study of a psychological topic which commands the current focus of interest of both the faculty member and the students. *If repeated, the course will count only once toward the major.* *Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 295. SENIOR SEMINAR IN PSYCHOLOGY.** A seminar designed to integrate previous course work and experience by approaching broad psychological problems from the perspectives of various areas within the discipline. Emphasis on current psychological literature. *Prerequisite: Senior standing and consent of instructor.*  
Full Course (4)
- 297. DIRECTED RESEARCH.** The student develops and completes an individual study under faculty supervision. *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*
- 298. INDEPENDENT STUDY.** A reading program of selected topics conducted under the supervision of a faculty member. *Prerequisite: Consent of instructor.*  
One-Half Course (2) \* or Full Course (4) \*

### Graduate

- 410. SEMINAR IN LEARNING.** An intensive study, examination, and critical analysis of contemporary theory and research in animal and human learning. *Prerequisite: Graduate standing and consent of instructor.*  
Full Course (4)
- 431. INDIVIDUAL TESTING.** Study of techniques for administering and interpreting results of individual ability tests such as the Wechsler and the Stanford-Binet Intelligence Scales. Supervised practice in administering at least one of these tests so that a level of skill is reached to assure valid results. *Prerequisite: Graduate standing and consent of instructor.*  
Full Course (4)
- 440. SEMINAR IN SOCIAL PSYCHOLOGY.** A comprehensive investigation of the major theoretical perspectives in the field of social psychology, with a review of exemplary classic and contemporary research literature. Emphasis is divided among different schools such as Gestalt psychology, field theory, reinforcement theory, psychoanalytic theory, role theory, and other views which relate to the problem of how people affect one another. Students participate in individual or joint research projects. *Prerequisite: Graduate standing and consent of instructor.*  
Full Course (4)

\* Repeatable Course.

## Psychology

**450. SEMINAR IN DEVELOPMENTAL PSYCHOLOGY.** Exploration and discussion of recent theoretical and research literature on topics such as early experience, intelligence vs. cognition, gerontology, imitation and social development, research on adolescence, etc. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

**460. SEMINAR IN PERSONALITY.** 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. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

**467. INDIVIDUAL ASSESSMENT.** Study of techniques for analyzing the individual's role within his cultural-economic milieu and measuring his personal characteristics, such as abilities, interests, and other personality variables. Development of skill in interviewing and observing the individual and integrating results of these procedures with psychometric data to provide a valid overall assessment. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

**483. SEMINAR IN THE BLACK EXPERIENCE.** Critique of current psychological theory, practices, and research in relation to the Black personality. Exploration and development of alternatives in areas where traditional psychology is lacking. Students participate in joint or individual research projects. *Prerequisites: Graduate standing and consent of instructor (Psychology 283 recommended.)*

Full Course (4)

## PUBLIC ADMINISTRATION

### An Undergraduate Major in a Single Field

Public Administration, an interdisciplinary program in which the student earns a Bachelor of Science degree, emphasizes administrative and managerial skills as well as broad academic competency.

Although this major does not require a dual field of concentration—i.e., a departmental field and an interdepartmental field—a minor is recommended and encouraged, but not required. A total of 72 units is required in this major.

Students planning to transfer from community colleges to this program are advised to concentrate, while in the lower division, upon completing General Education requirements.

Public Administration students preparing for law enforcement careers should be aware that most law enforcement agencies have established physical, mental, and personal standards, including very high standards of personal character and integrity. Students planning law enforcement careers are advised to make inquiries of potential employers about employment prospects, requirements, and qualifications for employment.

### REQUIREMENTS FOR THE MAJOR IN PUBLIC ADMINISTRATION

#### *Lower Division Prerequisites*

Business Administration 170. Introduction to Computers and Data Processing

English 111. The Devices of Persuasion

†Mathematics 150. Elementary Statistics and Probability

#### *Upper Division*

A. Eight core courses (32 units) are required:

Business Administration 210. Management and Organizational Behavior

†Business Administration 213. Personnel Management

Political Science 213. Introduction to Public Administration

Public Administration 220. Leadership and Administrative Behavior

Public Administration 230. Introduction to Budgeting and Cost Analysis

Public Administration 240. Professional Ethics in Public Administration

Public Administration 250. Administrative Writing and Management Reporting

Public Administration 260. Senior Seminar and Research Project

† Consult course description for prerequisites.

## Public Administration

- B. Two full courses (8 units) selected upon advisement, based upon the student's career objective, from the following:

Public Administration 210. Justice Administration in America  
Public Administration 265. Internship in Justice and Law Enforcement Administration  
Public Administration 270. Contemporary Legal Issues in Justice and Law Enforcement Administration  
Public Administration 280. Administrative Law  
Public Administration 285. Public Administration and Education  
Public Administration 290. Communications in Law Enforcement  
Public Administration 295. Comparative Police Administration  
Public Administration 298. Independent Study

- C. Two full courses (8 units) selected from the following:

Anthropology 220. Urban Anthropology  
Anthropology 240. Social Structure  
†Biological Science 270. Biological Bases of Human Behavior  
History 282. Law and Society  
Philosophy 231. Social and Political Philosophy  
Psychology 240. Social Psychology: Psychological Perspective  
Psychology 263. The Abnormal Personality  
Sociology 240. Social Psychology: Sociological Perspective  
Sociology 265. Deviant Behavior  
Sociology 267. Sociology of Law  
Sociology 268. Criminology

- D. Three full courses (12 units) from Political Science selected from the following:

Political Science 214. American Political Parties and Elections  
Political Science 220. Urban Government and Politics  
Political Science 252. Theories of the Political System  
Political Science 254. American Political Thought  
Political Science 260. American Constitutional Law: Distribution of Power  
Political Science 261. American Constitutional Law: Civil Rights  
Political Science 270. Public Opinion and Propaganda

- E. Three full courses (12 units) from Urban Management selected from the following:

Urban Studies 220. Urban Operations Management  
Urban Studies 236. Urban Systems Administration  
Urban Studies 237. Urban Fiscal Management  
Urban Studies 240. Planning and Government Decision Making  
Urban Studies 246. Organizational Behavior  
Urban Studies 247. Managerial Environment  
Urban Studies 248. Perspectives on Urban Issues

## COURSE OFFERINGS

### *Upper Division*

- 210. JUSTICE ADMINISTRATION IN AMERICA.** 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; organization and function of the courts; probation, pardon and parole; penology and prison administration.

Full Course (4)

† Consult course description for prerequisites.

- 220. LEADERSHIP AND ADMINISTRATIVE BEHAVIOR.** Study of principles involved in the supervision of personnel, methods of handling people; discipline and morale; leadership; psychological aspects of supervision; the supervisory training function; human relations; the supervisory role in management.

Full Course (4)

- 230. INTRODUCTION TO BUDGETING AND COST ANALYSIS.** Principles and procedures of developing financial control, moving from the individual to the group to the organization; the application of the principles and procedures to the management process; and consideration of the techniques and effects of federal grant-in-aid applications; and managerial study of costs for various purposes including setting goals and budget for operations and control.

Full Course (4)

- 240. PROFESSIONAL ETHICS IN PUBLIC ADMINISTRATION.** Study of ethics as a philosophy; the nature of professional obligations and values; ethics of the practitioner, supervisor, and administrator; relationship of ethics and professionalization; the concept of the public interest.

Full Course (4)

- 250. ADMINISTRATIVE WRITING AND MANAGEMENT REPORTING.** Study of basics of effective writing to plan and write various types of communications and the role of the administrator in management reporting; the concept of completed staff work; preparation of proposals, requests or reports; use of statistical reports; reports for individuals, groups or agencies; reporting and predicting significant trends.

Full Course (4)

- 260. SENIOR SEMINAR AND RESEARCH PROJECT.** Integration of the areas of specialization in justice and law enforcement administration. Focus for each class determined in consultation with instructor. Class meets once weekly; individual student research paper.

Full Course (4)

- 265. INTERNSHIP IN JUSTICE AND LAW ENFORCEMENT ADMINISTRATION.** Supervised work experience in criminal justice agency in the immediate area. *May not be taken by a student already experienced or employed as a criminal justice official. Prerequisite: Consent of instructor.*

Full Course (4)

- 270. CONTEMPORARY LEGAL ISSUES IN JUSTICE AND LAW ENFORCEMENT ADMINISTRATION.** Survey and study of selected legal or constitutional issues that affect the criminal justice system as a whole interacting system of police, corrections, parole, probation, and the judiciary; legal restraints on personnel; legal relationship between local, state, and federal authority.

Full Course (4)

- 280. ADMINISTRATIVE LAW.** Examination of the rights, duties, and liabilities of public officers; relief against administrative action; questions of administrative jurisdiction, conclusiveness, and judicial remedies; legal principles and tendencies in the development of public administration.

Full Course (4)

- 285. PUBLIC ADMINISTRATION AND EDUCATION.** Study of the relationships of education to the general administration of government at federal, state, and community levels. Includes the study of the making and execution of public policy, governance, and financing of public education and focuses in some measure on public education in California.

Full Course (4)

## Public Administration

**290. COMMUNICATIONS IN LAW ENFORCEMENT.** Study of the methods and techniques of communication to see relationship to human behavior and to understand problems and barriers related to law enforcement; examination of communications with police, community, minority, ethnic and/or racial groups; and experience a variety of communication experiences.

Full Course (4)

**295. COMPARATIVE POLICE ADMINISTRATION.** Survey of nationwide and world-wide police philosophy and techniques. Evaluation of current major concepts; review of recent developments and contributions by agencies and academic institutions; review of current literature in the field; study of agencies such as Scotland Yard, Canadian Mounted Police, Interpol with their counterparts in America and consideration of the systems of cooperation.

Full Course (4)

**298. INDEPENDENT STUDY.** Study of a particular field problem, individually or as a team or group, under the direction of a faculty member. *Prerequisite: Consent of the instructor.*

One-Half Course (2) or Full Course (4)

## SOCIAL SCIENCE

### COURSE OFFERINGS IN SOCIAL SCIENCE

#### *Upper Division*

- 275. EXPLORING THE NATURAL AND SOCIAL ENVIRONMENT: PRESCHOOL YEARS.** Approaches to planning enriched settings for children's increased understanding of natural and social phenomena. Emphasis on community and cultural patterns relevant to planning; children's exploratory behaviors and how they relate to knowing and understanding their world; the purposes and interrelation of spontaneous and planned activities; using appropriate resources for teaching and learning in relation to natural and social phenomena. *Prerequisite: Education 252.*

One-Half Course (2)

- 276. EXPLORING THE NATURAL AND SOCIAL ENVIRONMENT: EARLY SCHOOL YEARS.** Study of selected kindergarten-primary school programs in mathematics, science and social studies. Emphasis on planning enriched classroom settings; conducting spontaneous and planned activities to foster inquiry; using appropriate materials and equipment in primary school; fostering interpersonal relations; evaluating children's learning in relation to developmental patterns and individual learning styles in relation to mathematics, natural sciences and social studies. *Prerequisite: Social Sciences 275.*

One-Half Course (2)

## SOCIOLOGY

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN SOCIOLOGY

#### *Lower Division*

- Mathematics 150. Elementary Statistics and Probability *or*
- Sociology 120. Elementary Statistical Analysis in Sociology
- Sociology 110. Introduction to Sociology
- Sociology 150. Field Studies I

#### *Upper Division*

- Sociology 205. Methods of Sociological Research
  - Sociology 251. Field Studies II
  - Sociology 255. Modern Sociological Theories
  - Sociology 295. Senior Seminar in Sociology
- Five additional courses in Sociology to be selected in consultation with the student's adviser.

### REQUIREMENTS FOR THE MINOR IN SOCIOLOGY

#### *Lower Division*

The following two courses may be taken at the student's discretion and may be applied to the required option. *A maximum of 8 lower division units may apply toward the minor.*

- Sociology 110. Introduction to Sociology
- Sociology 120. Elementary Statistical Analysis in Sociology

#### *Upper Division*

Students must choose one of the following options:

- A. Concentration in the tools used by sociologists. This option is recommended for those students intending to use sociology in a research setting or as background for advanced graduate education.
  - Sociology 120. Elementary Statistical Analysis in Sociology
  - Sociology 205. Methods of Sociological Research
  - Sociology 255. Modern Sociological Theories
  - Three additional courses.
- B. Concentration in specific fields or applications; i.e., medical or paramedical field, or social psychology.
  - Six courses will be selected on advisement.
- C. General Sociology.
  - Sociology 110. Introduction to Sociology
  - Sociology 255. Modern Sociological Theories
  - Four additional courses.

## COURSE OFFERINGS IN SOCIOLOGY

*Lower Division*

- 100. BASIC STUDIES SOCIOLOGY.** Examination of socio-cultural institutions and processes from the sociological perspective, compared and contrasted with the subject matter, theory, and methods of other social and behavioral sciences.

Full Course (4)

- 110. INTRODUCTION TO SOCIOLOGY.** A study of the group basis of human behavior, with emphasis on man as a social animal. The dynamics of human interaction, the structure and function of contemporary social institutions, and processes of social change.

Full Course (4)

- 120. ELEMENTARY STATISTICAL ANALYSIS IN SOCIOLOGY.** Descriptive and inductive statistics as tools of sociologists; statistical analysis in the investigation of sociological problems. *Three hours of lecture and two hours of laboratory per week.*

Full Course (4)

- 150. FIELD STUDIES I.** Field study observation of selected populations, institutions, and agencies, under supervision, and after preparatory instruction, to acquaint students with the contributions of sociology and sociological knowledge to modern society. Emphasis on development of critical skills for analyzing and understanding man's behavior from a sociological perspective. *Prerequisite: Sociology 110.*

One-Half Course (2)

*Upper Division*

- 205. METHODS OF SOCIOLOGICAL RESEARCH.** Examination of methods employed in the investigation of sociological problems. Conceptualization, measurement approaches, design of surveys and experiments, data collection, procedures for analysis of data. Consideration of the research process as an integral whole. *Prerequisite: Sociology 120 or Mathematics 150.*

Full Course (4)

- 206. QUANTITATIVE ANALYSIS IN SOCIOLOGY.** Consideration of the integral involvement of statistics in the research process. Study of techniques applicable to the analysis of sociological data and of the criteria involved in the choice of the most appropriate techniques for specific problems. *Three hours of lecture and two hours of laboratory per week. Prerequisite: Sociology 120 or Mathematics 150.*

Full Course (4)

- 210. SOCIAL STRATIFICATION AND CLASS.** Stratification in American society as compared to other cultures, with consideration of the effects of class and status on personality and behavior.

Full Course (4)

- 211. SOCIAL ORGANIZATION AND COMPARATIVE INSTITUTIONS.** Forms of organizing. Contemporary social systems: the family, the political system, the economy, religion and education.

Full Course (4)

- 212. THE URBAN COMMUNITY.** Examination of the metropolitan community. Urbanization as contemporary social process; consideration of urban areas, institutions, values, and problems; social, demographic, and ecological characteristics of urban areas; urban and suburban change and planning.

Full Course (4)

## Sociology

- 213. SOCIOLOGY OF EDUCATION.** Examination of the organizational structure, changing functions and emerging character of educational institutions in society.

Full Course (4)

- 214. FORMAL ORGANIZATIONS.** Examination of formal organizations; ideology, bureaucracy, formal and informal decisionmaking, morale, and the institutionalization process.

Full Course (4)

- 215. SELECTED CONTEMPORARY SOCIAL PROBLEMS.** Focused study of a limited selection of contemporary social problems, chosen in accordance with the interests of instructor and students.

Full Course (4)

- 216. BLACK COMMUNITIES: CLASS, STATUS, AND POWER.** An analysis of the structure of the Black community: class, economic and political power, the role of leadership, and the conditions for social development.

Full Course (4)

- 217. SOCIOLOGY OF RURAL AND URBAN MEXICAN AMERICANS.** Mexican American rural and urban community; urbanization as contemporary social process; examination of sociological theory and research bearing on Chicano social stratification; social and demographic characteristics and problems.

Full Course (4)

- 218. THE FAMILY.** The family as a social institution, with varying emphasis on specific family systems from quarter to quarter.

Full Course (4)

- 220. POPULATION AND SOCIETY.** Analysis of major population trends and their relationship to the organization of society. Consideration of the demographic correlates of social change.

Full Course (4)

- 221. POLITICAL SOCIOLOGY.** The contributions of sociology to the study of politics, including theories of power and the social history of political change. Attention to the structure of power in contemporary societies and the social uses of power. Emphasis on various aspects of social organization in struggles for control and change of societies.

Full Course (4)

- 222. SOCIAL CHANGE IN DEVELOPING COUNTRIES.** Examination of sociological theories with regard to social change. Application of the sociological perspective to the analysis of the problems and prospects for social change and modernization in developing nations.

Full Course (4)

- 223. SOCIAL CHANGE IN INDUSTRIAL SOCIETIES.** Comparative analysis of social change in industrialized societies. Problems of social development and organization in the "post-industrial" society. Analysis of relations between changes in technological structures, institutions, and culture. Critical examination of theory and research in the field.

Full Course (4)

- 224. SOCIOLOGY OF LEISURE AND SPORT.** 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, theater, art and music.

Full Course (4)

- 225. SOCIOLOGY OF WORK.** Sociological analysis of work in industrial society. Examination of the labor force, industrial organization, occupational roles and careers. Consideration of impact of technological change.  
Full Course (4)
- 226. SOCIOLOGY OF MEDICINE.** Social and community aspects of health, health behavior and health organizations. Research on the distribution of disease in society, organization of health professions, social change and health care, stress and disease, and social factors affecting utilization of health services. *Prerequisites: Sociology 110 or 200.*  
Full course (4)
- 229. SOCIOLOGY OF ADULT LIFE AND AGING.** The developmental processes occurring throughout the life-cycle with special focus on problems and issues surrounding middle and old age. Utilization of demographic, cross-cultural, family, community and societal studies to explore the social dimensions of aging. *Prerequisite: Sociology 110 or 200.*  
Full Course (4)
- 232. URBANIZATION AND DEVELOPMENT IN LATIN AMERICA.** Comparative analysis of contemporary processes of urbanization in Latin America. Study of sociological implications of rapid urbanization for social organization and development. Consideration of social policy alternatives.  
Full Course (4)
- 235. SOCIAL MOVEMENTS.** A study of major social movements with varying specific emphasis on topical problems or relevant issues from quarter to quarter. For example, a specific quarter may be devoted to Social Movements: Black Awareness or Social Movements: Utopias.  
Full Course (4) \*
- 236. SOCIOLOGY OF ECONOMIC LIFE.** The application of sociological analysis to the complex of activities concerned with production, distribution, exchange and consumption of goods and services. Considered as a social phenomenon, economic activities are examined in terms of social structure and process, with attention given the interrelationship of economic units to the larger social environment.  
Full Course (4)
- 239. SOCIAL ENVIRONMENT OF EDUCATION.** 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.  
Full Course (4)
- 240. SOCIAL PSYCHOLOGY: SOCIOLOGICAL PERSPECTIVE.** 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.  
Full Course (4)
- 250. SEMINAR IN SMALL GROUPS.** 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.  
Full Course (4)
- 251. FIELD STUDIES II.** Continuation of Field Studies I. Particular stress on in-the-field research with one selected population, institution, or agency. Student to complete a research project based upon field experiences. *Prerequisite: Sociology 205 or equivalent.*  
One-Half Course (2)

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\* Repeatable Course

## Sociology

- 252. SOCIOLOGY OF CONVERSATION.** Investigation of actual instances of conversation; discovery of methods through which members of a social group produce and recognize, and thereby accomplish meaningful, coherent features of their own talk. Interactionally achieved aspects of conversational practices emphasized.

Full Course (4)

- 253. TOPICS OF ETHNOMETHODOLOGY.** Examination of selected aspects of ethnomethodological literature. Topics to be surveyed include indexicality, reflexivity, interpretational procedures, story telling, mundane reasoning; focusing on methods by which members achieve meaningful interactions.

Full Course (4)

- 254. SOCIOLOGY OF KNOWLEDGE.** A survey of theory and research concerning the social determinants of systems of knowledge. Research and methods for determining the relations between ideology and political beliefs in social systems using classical works and contemporary investigations.

Full Course (4)

- 255. MODERN SOCIOLOGICAL THEORIES.** Analysis of contemporary sociological theories with attention to historical origins. Relationship of theory to research; theory construction.

Full Course (4)

- 256. THEORY BUILDING IN SOCIOLOGY.** The nature and functions of theory; articulation of theory and research; the process of theory construction—strategic alternatives. Laboratory exercises in theory building. *Prerequisites: Sociology 205 and Sociology 255, or equivalents.*

Full Course (4)

- 257. SOCIAL ANALYSIS AND THE FOUNDATIONS OF SOCIAL THEORY.** Analysis of methods of explanation of social action. Critical appraisal of paradigms for social analysis and attendant problems. Philosophical problems in social sciences. *Prerequisites: Sociology 205 and 255, or consent of instructor.*

Full Course (4)

- 260. MINORITY RACIAL AND ETHNIC RELATIONS.** Investigation of current American racial and ethnic problems in world-wide and historical perspective.

Full Course (4)

- 265. DEVIANT BEHAVIOR.** 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.

Full Course (4)

- 266. SOCIAL ASPECTS OF MENTAL ILLNESS.** The nature and types of mental illness with a focus on social, political and economic factors as they affect the mental health of the members of a society.

Full Course (4)

- 267. SOCIOLOGY OF LAW.** 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 bases for the administration of justice and punishment.

Full Course (4)

- 268. CRIMINOLOGY.** Theories of the genesis of crime; organization of criminal behavior; comparative analysis of crime; trends in penology and rehabilitation.

Full Course (4)

- 269. JUVENILE DELINQUENCY.** Social context, definition, implications, and causes of juvenile delinquency as a social phenomenon; analysis of factors associated with delinquent behavior. Problems of adjustment of delinquents and factors in treatment and in post-treatment adjustment. *Prerequisite: Sociology 110 or 200.*

Full Course (4)

- 270. FIELD STUDIES IN URBAN PROBLEMS.** Field experiences in the urban setting, with special emphasis upon investigation and understanding of the human and social dimensions of urban problems.

Half Course (2)

- 295. SENIOR SEMINAR IN SOCIOLOGY.** Integrative discussion of previous course work and experiences in sociology. Preparation of bachelor's paper. The problem may be either departmental or interdepartmental in nature, provided the focus of concern is sociological. The paper will be presented formally during the seminar. *Prerequisites: Senior standing and consent of instructor.*

Full Course (4)

- 298. INDEPENDENT STUDY.** A reading program of selected topics conducted under the supervision of a faculty member.

One-Half Course (2) \* or Full Course (4) \*

### Graduate

- 411. SEMINAR IN SOCIAL ORGANIZATIONS AND INSTITUTIONS.** Selected studies of the organization of contemporary social systems and the forms and functions of social institutions. Emphasis upon the integral relationship between social organizations and social institutions. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

- 450. SEMINAR IN INTERACTION PROCESSES.** Experiences in both the theoretical and practical study of group dynamics. Stress on the small group, with specific concern for problems such as communication, leadership, decision making, gamesmanship, equilibrium and change. Relevant research literature reviewed, and laboratory experiments in interaction processes conducted. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

\* Repeatable Course

## SPANISH <sup>1</sup>

### REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN SPANISH

#### *Lower Division*

Spanish 110-111-112. First, Second, and Third Quarter Spanish

Spanish 120-121. Fourth, and Fifth Quarter Spanish

NOTE: Students who have completed two, three, or four years of high school Spanish and who pass a proficiency test will be placed in the appropriate quarter of college Spanish. Consult a departmental adviser for details.

#### *Upper Division*

Spanish 211. The Structure of Spanish

Spanish 214. Spanish Phonology

Spanish 230. Interpreting Hispanic Prose

Spanish 232. Interpreting Hispanic Poetry and Drama

Spanish 250. Contemporary Hispanic Culture: Spain *or*

Spanish 251. Contemporary Hispanic Culture: Spanish Speaking America

Spanish 295. Seminar in Special Topics in Spanish

Plus three upper division courses listed in the Spanish offerings of which at least one must be in literature excluding literature courses in translation (280 series). Majors planning to acquire a teaching credential must take Spanish 205, Spanish 235 and Spanish 270.

### REQUIREMENTS FOR THE MINOR IN SPANISH

A. Spanish 121. Fifth-Quarter Spanish or equivalent

Spanish 205. Advanced Composition, Syntax, and Stylistics *or*

Spanish 211. The Structure of Spanish

Spanish 210. The Study of Language *or*

Spanish 214. Spanish Phonology

Spanish 230. Interpreting Hispanic Prose *or*

Spanish 232. Interpreting Hispanic Poetry and Drama

Spanish 250. Contemporary Hispanic Culture: Spain *or*

Spanish 251. Contemporary Hispanic Culture:

Spanish Speaking America

B. Plus one elective selected from the upper division offerings in Spanish (including courses in the 280 series). Minors planning to acquire a teaching credential must take Spanish 270.

### COURSE OFFERINGS IN SPANISH

All courses, except 210, 211, 214, 235, 270, 280, and 288, are conducted in Spanish.

<sup>1</sup> Students interested in studying foreign languages abroad should consult page 22.

*Lower Division*

- 101. BILINGUAL COMMUNICATION SKILLS FOR SPANISH SPEAKERS.** Focus on Spanish/English bilingual problems, as a phenomenon of language contact and interference. Emphasis on developing from Pocho (or regional) to standard (or universal) Spanish. Improvement of reading and writing skills stressed.

Full Course (4)

- 102. BILINGUAL COMMUNICATION SKILLS FOR SPANISH SPEAKERS.** Focus on the identification of English language difficulties of the Spanish speaking students. Contrastive analysis of the student's Spanish and English language habits as they transfer and interfere with one another. *Prerequisite: Spanish 101 strongly recommended.*

Full Course (4)

- 105. SPANISH FOR PUBLIC SERVICE.** Selected dialogue and language practice reflecting the vocabulary spectrum in public service fields such as social welfare, business, public health, government, and medicine. Useful for public service, as well as for the bilingual cross-cultural credential program.

Full Course (4)

- 110. FIRST-QUARTER SPANISH.** Basic instruction in Spanish. Training in speaking, listening, reading, and writing for students who have had no previous work in Spanish.

Full Course (4)

- 111. SECOND-QUARTER SPANISH.** A continuation of Spanish 110. *Prerequisite: Spanish 110 or a satisfactory score on a placement test.*

Full Course (4)

- 112. THIRD-QUARTER SPANISH.** A continuation of Spanish 111. *Prerequisite: Spanish 111 or a satisfactory score on a placement test.*

Full Course (4)

- 120. FOURTH-QUARTER SPANISH.** A continuation of Spanish 112, with emphasis on oral communication skills. *Prerequisite: Spanish 112 or a satisfactory score on a departmental placement test.*

Full Course (4)

- 121. FIFTH-QUARTER SPANISH.** A continuation of Spanish 120, with emphasis on reading. *Prerequisite: Spanish 120 or a satisfactory score on a departmental placement test.*

Full Course (4)

- 130. SPANISH CONVERSATION.** Language practice for building speaking proficiency and expanding awareness of contemporary Spanish culture. *Prerequisite: One year of college Spanish or the equivalent.*

Full Course (4)

- 150. FOLKLÓRICO AND TEATRO WORKSHOPS.** An activity course leading to the performance of theatre and folk dances of the Spanish-speaking people, such as teatro campesino and Baile Folklórico de Mexico. *Knowledge of Spanish desirable. Three hours per week plus additional work by arrangement.*

One-Half Course (2)

## Spanish

### Upper Division

**200. TEACHING SCHOOL SUBJECT MATTER IN SPANISH.** A preparation course for the bilingual, cross cultural credential aspirant. Features a broad spectrum of vocabulary and materials used in elementary or secondary schools for the teaching of reading, writing, mathematics, science and social studies in Spanish. *Prerequisite: Knowledge of Spanish or consent of instructor.*

Full Course (4)

**205. ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS.** A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. *Prerequisite: Spanish 121 or consent of instructor.*

Full Course (4)

**210. THE STUDY OF LANGUAGE.** Traditional and modern approaches to the study of language; fundamentals of phonology and grammar. (Same as English 210 and French 210.)

Full Course (4)

**211. THE STRUCTURE OF SPANISH.** An analysis of the phonology, morphology, and syntax of the language, focusing on global characteristics of Spanish. Selected language acquisition problems of English speakers emphasized. *Prerequisite: Spanish 210 or consent of Department Chairman or instructor.*

Full Course (4)

**214. SPANISH PHONOLOGY.** A beginning course in the segmental and suprasegmental phonetic systems; phonological pronunciation phenomena of standard and regional Spanish. *Prerequisite: Spanish 210 or consent of Department Chairman or instructor.*

Full Course (4)

**230. INTERPRETING HISPANIC PROSE.** Analysis and interpretation of representative Hispanic prose: novel, short story, and essay. *Prerequisite: Spanish 121 or equivalent.*

Full Course (4)

**232. INTERPRETING HISPANIC POETRY AND DRAMA.** Analysis and interpretation of representative Hispanic poetry and drama. *Prerequisite: Spanish 121 or equivalent.*

Full Course (4)

**235. A SOCIOLINGUISTIC APPROACH TO MEXICAN AMERICAN DIALECT AND READING.** Identification and prediction of reading difficulties of Spanish-language oriented children based on their sociocultural background and on a contrastive analysis of their listening and speaking habits (breath level, mouth muscles, rhythm, word order, etc.) with English. *Three hours of lecture discussion and three hours of laboratory per week. Prerequisites: Education 230, or English/French/Spanish 210, or consent of instructor.*

Full Course (4)

**250. CONTEMPORARY HISPANIC CULTURE: SPAIN.** An area studies course focusing on patterns of culture in contemporary Spain. *Prerequisite: Spanish 121 or equivalent.*

Full Course (4)

**251. CONTEMPORARY HISPANIC CULTURE: SPANISH SPEAKING AMERICA.** A designated geographical area studies course focusing on patterns of culture in the Spanish-speaking world. Specific topics will vary from quarter to quarter; for example, Mexico and the Southwestern United States, or the River Plate region (Argentina, Uruguay and Paraguay). Norms, intergroup relations, institutions, language, and societal values of rural and urban people. *Prerequisite: Spanish 121 or equivalent.*

Full Course (4)\*

\* Repeatable Course

- 252. HISTORY OF THE LITERATURE OF SPAIN I.** Spanish literature from the Middle Ages to Classicism. *Spanish 252 and 253 may be taken separately and in either order. Prerequisite: Spanish 230 or 232 or equivalent or consent of instructor.*  
Full Course (4)
- 253. HISTORY OF THE LITERATURE OF SPAIN II.** Spanish literature from the nineteenth century to the present. *Spanish 252 and Spanish 253 may be taken separately and in either order. Prerequisite: Spanish 230 or 232 or equivalent, or consent of instructor.*  
Full Course (4)
- 255. HISTORY OF SPANISH AMERICAN LITERATURE I.** Spanish American literature from the Conquest to Romanticism. *Spanish 252 and 256 may be taken separately and in either order. Prerequisite: Spanish 230 or 232 or equivalent, or consent of instructor.*  
Full Course (4)
- 256. HISTORY OF SPANISH AMERICAN LITERATURE II.** Spanish American literature from Positivism to the present. *Prerequisite: Spanish 230 or 232 or equivalent or consent of instructor.*  
Full Course (4)
- 261. LECTURAS MEXICANAS.** Readings and analysis of Mexican literary works in all genres. *Prerequisite: Spanish 121 or equivalent.*  
Full Course (4)
- 270. THE TEACHING OF SPANISH AS A LIVING LANGUAGE.** A theoretical and practical course in methodology and classroom learning techniques for foreign language teachers of grades 4 through 12, with emphasis on secondary level. *A recommended course for credential candidates. This course taught in English and Spanish. Prerequisite: A functional knowledge of Spanish and/or consent of instructor.*  
Full Course (4)
- 280. TWENTIETH CENTURY SPANISH LITERATURE IN TRANSLATION.** Study of selected works by significant writers: novels, poetry, drama, essays, criticism, screenplays. *Prerequisite: Upper division standing.*  
Full Course (4)
- 287. CONTEMPORARY MEXICAN AMERICAN LITERATURE.** A study of the intellectual contributions in the major genres of literature by Mexican Americans. *Course conducted in English, but knowledge of Spanish is helpful. Prerequisite: Upper division standing.*  
Full Course (4)
- 288. READINGS IN MODERN LATIN AMERICAN LITERATURE.** Intensive study of a topic, movement, or a genre in modern Latin American literature. *Course conducted in English, but reading knowledge of Spanish or Portuguese helpful. Prerequisite: Upper division standing.*  
Full Course (4)
- 295. SEMINAR IN SPECIAL TOPICS IN SPANISH OR SPANISH AMERICAN LITERATURE.** Intensive study of a single author (Cervantes, Lope de Vega, Unamuno, Azuela, Florencio Sanchez), a literary movement (*Romanticismo, Gongorismo*), a literary *género* (*teatro, poesía, épica, novelas*), a single literary work, teacher training topics, or linguistic topic(s). *Teacher training topics and linguistic topics offered in Winter Quarter in alternate years. Prerequisite: Consent of instructor.*  
Full Course (4) \*
- 298. INDEPENDENT STUDY.** Independent study of a literary or linguistic problem, author, or movement. *Prerequisite: B average in Spanish, upper division standing, and consent of instructor and department chairman.*  
Full Course (4) \*

\* Repeatable Course.

## THEATRE ARTS

### An Interdepartmental Field of Concentration

This interdepartmental field is designed to give strong emphasis to the literature and history of the theatre as well as to outstanding critical theories of drama. Courses dealing with the techniques of theatrical production are included, and students are expected to participate in the production program of the college theatre.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN THEATRE ARTS

#### *Lower Division*

- English 121. Theatre Practicum
- English 195. Introduction to Theatre Arts

#### *Upper Division*

- A. A minimum of two half-courses in English 220. Drama Workshop
- B. English 261. History of the Theatre I  
†English 262. History of the Theatre II  
†English 269. Modern Theatre
- C. A minimum of four different courses, selected from the following:
  - English 221. Acting
  - †English 223. Directing
  - †English 246. Dramatic Theory and Criticism
  - †English 264. World Drama in Translation
  - †English 265. Development of English Drama
  - †English 267. Shakespeare
- D. The senior seminar in Theatre Arts

### REQUIREMENTS FOR THE MINOR IN THEATRE ARTS

#### *Upper Division*

Six full courses are required, including the following:

- A. Two half-courses in English 220. Drama Workshop
- B. English 261. History of the Theatre I *or*  
†English 262. History of the Theatre II
- C. †English 269. Modern Theatre

† Consult course description for prerequisite.

D. Any three courses selected from the following:

- English 221. Acting
- †English 223. Directing
- †English 246. Dramatic Theory and Criticism
- English 261. History of the Theatre I *or*
- †English 262. History of the Theatre II (alternate choice from B, above)
- †English 264. World Drama in Translation
- †English 265. Development of the English Drama

## COURSE OFFERING

### *Upper Division*

**290. SEMINAR IN THEATRE ARTS.** An integrative seminar serving as a capstone to the interdepartmental major in theatre arts. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

† Consult course description for prerequisite.

## TWENTIETH CENTURY THOUGHT AND EXPRESSION

### An Interdepartmental Field of Concentration

The interdepartmental field in Twentieth Century Thought and Expression is designed to provide the student with a broad background in some of the leading intellectual currents of this century and their impact on artistic and cultural developments.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN TWENTIETH CENTURY THOUGHT AND EXPRESSION

#### *Upper Division*

- A. Twentieth Century Thought and Expression 200. Introduction to Twentieth Century Studies

NOTE: Must be taken before three courses in the major are completed.

- B. Four required courses:

† Art 270. Twentieth Century Artists: Their Writings and Their Art, *or*  
† Music 270. Twentieth Century Composers: Their Writings and Their Music  
English 270. Twentieth Century Experiments in Literary Form  
Philosophy 270. Philosophy in the Modern World  
History 239. Twentieth Century European Thought and Expression

- C. Three courses in three different departments chosen from the following list:

Art 270 or Music 270, if not taken under B above

Economics 282. Economics of Poverty

† English 269. Modern Theatre

† English 275. Modern Social and Political Fiction

† French 280. Twentieth Century French Literature in Translation

† German 280. Twentieth Century German Literature in Translation

History 228. Twentieth Century Europe

History 286. Modern Mass Movements in History

Music 252. Afro-American Music

Philosophy 217. Values and the Future

Philosophy 280. Existentialism and Phenomenology

Physics 206. Modern Physics: Its Impact on Twentieth Century Thought

Political Science 252. Theories of the Political System

Psychology 260. Theories of Personality

Sociology 221. Political Sociology

Sociology 255. Modern Sociological Theories

† Spanish 280. Twentieth Century Spanish Literature in Translation

- D. The senior seminar in Twentieth Century Thought and Expression

† Consult course description for prerequisite.

REQUIREMENTS FOR THE MINOR IN TWENTIETH  
CENTURY THOUGHT AND EXPRESSION

*Upper Division*

Students selecting the Twentieth Century Thought and Expression minor will be required to take a total of six courses.

A. Required:

Twentieth Century Thought and Expression 200. Introduction to Twentieth Century Studies

B. Select any five courses from at least *three* different departmental offerings listed below:

†Art 270. Twentieth Century Artists: Their Writings and Their Art

†English 269. Modern Theatre

English 270. Twentieth Century Experiments in Literary Form

†English 275. Modern Social and Political Fiction

†French 280. Twentieth Century French Literature in Translation

†German 280. Twentieth Century German Literature in Translation

History 228. Twentieth Century Europe

History 239. Twentieth Century European Thought and Expression

History 286. Modern Mass Movements in History

Music 252. Afro-American Music

†Music 270. Twentieth Century Composers: Their Writings and Their Music

Philosophy 217. Values and the Future

Philosophy 260. Existentialism and Phenomenology

Philosophy 270. Philosophy in the Modern World

Physics 206. Modern Physics: Its Impact on Twentieth Century Thought

Political Science 252. Theories of the Political System

Psychology 260. Theories of Personality

Sociology 221. Political Sociology

Sociology 255. Modern Sociological Theories

†Spanish 280. Twentieth Century Spanish Literature in Translation

Twentieth Century Thought and Expression 290. Seminar in Twentieth Century Thought and Expression

COURSE OFFERINGS

*Upper Division*

**200. INTRODUCTION TO TWENTIETH CENTURY STUDIES.** An introductory course designed to acquaint majors with the significant issues confronting twentieth-century man.

Full Course (4)

**290. SEMINAR IN TWENTIETH CENTURY THOUGHT AND EXPRESSION.** *Prerequisite:* Senior standing, completion of at least six courses in this major, and consent of instructor.

Full Course (4)

† Consult course description for prerequisites.

## URBAN STUDIES

### An Interdepartmental Field of Concentration

The relationship of the physical environment and cultural characteristics of areas to the design of governmental, economic, and social features of the landscape will be studied. Urban environments evidence great need for study, because they are most susceptible to change and are the scene of most economic, social, and aesthetic activity. Therefore, the focus in this field is on cities and their suburban areas.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN URBAN STUDIES

#### *Prerequisites*

- Basic statistics (Mathematics 150 or its equivalent)
- Basic design (Art 175 or its equivalent)

#### *Upper Division*

A minimum of nine courses (36 quarter units) is required.

A. Urban Studies 200. Introduction to Urban and Environmental Studies (*Note: This course must be taken before completing three courses in the major.*)

B. Required courses (12 units):

- Art 255. History of Urban Aesthetics
- †Biological Science 236. Environmental Biology
- Geography 251. Field Study in Urban Geography (One-Half Course)
- Sociology 270. Field Studies in Urban Problems (One-Half Course)

C. Four courses from the following list in three different departmental fields (16 units):

- Anthropology 220. Urban Anthropology
- †Art 232. Modern Architecture
- †Biological Science 230. Population Biology
- Economics 280. The Economics of Urban Areas
- Geography 208. Map and Aerial Photograph Interpretation (One-Half Course)
- †Geography 222. Contemporary Environmental Problems
- Geography 235. Urban Geography
- History 284. The City in History
- History 285. History of Urban America
- Political Science 213. Introduction to Public Administration
- Political Science 220. Urban Government and Politics
- Sociology 212. The Urban Community
- Sociology 220. Population and Society
- Sociology 232. Urbanization and Development in Latin America
- Urban Studies 248. Perspectives on Urban Issues
- Urban Studies 249. National Social Problems and Urban Social Change

In case of scheduling conflicts and with consent of adviser, the student may select one of the following courses: any course listed in Urban and Environmental Management; Economics 282; Geography 219, 224, or 252; Political Science 275; Sociology 211, 216, 217, or 224.

† Consult course description for prerequisites.

## D. Urban Studies 290. Seminar in Urban Studies

## REQUIREMENTS FOR THE MINOR IN URBAN STUDIES

*Prerequisites:*

Courses in basic statistics and basic design are recommended, but not required.

*Upper Division*

A minimum of 22 quarter units is required.

## A. Three courses (12 units) from the following:

Anthropology 220. Urban Anthropology

Art 255. Urban Aesthetics

†Biological Science 236. Environmental Biology

Economics 280. Economics of Urban Areas

Geography 235. Urban Geography

History 284. The City in History

Political Science 220. Urban Government and Politics

Sociology 212. The Urban Community

Urban Studies 200. Introduction to Urban and Environmental Studies

## B. Two additional courses (8 units) from group A or C or from those below:

†Art 232. Modern Architecture

†Art 275. Environmental Design

Geography 208. Map and Aerial Photograph Interpretation

†Geography 222. Contemporary Environmental Problems

History 285. History of Urban America

Political Science 213. Introduction to Public Administration

Sociology 220. Population and Society

Sociology 232. Urbanization and Development in Latin America

Urban Studies 248. Perspectives on Urban Issues

Urban Studies 249. National Social Problems and Urban Social Change

Urban Studies 290. Seminar in Urban Studies

## C. Field Studies. At least one of the following half courses:

Geography 251. Field Study in Urban Geography

Sociology 270. Field Studies in Urban Problems

## COURSE OFFERING

*Upper Division*

**290. SEMINAR IN URBAN STUDIES.** An integrative course to study selected topics, to develop an overview of the field and to present seminar papers for critical review. *Prerequisite:* Senior standing and consent of instructor.

Full Course (4)

† Consult course description for prerequisite.

## URBAN STUDIES: URBAN-ENVIRONMENTAL MANAGEMENT

### Undergraduate Majors in a Single Field

Two programs leading to a Bachelor of Science degree are offered in Urban Studies, one in Urban Management and the other in Environmental Management.

The purpose of the Urban Management component of the program is to train students with skills and knowledge which will prepare them to be effective managers of urban institutions and activities. Their training will relate to issues such as poverty, housing, transportation, employment, crime control, air pollution control, noise abatement, city management and the provision of social and public services.

The objective of the Environmental Management component is to train students with skills and knowledge so they would be effective managers of scarce natural resources and the environment. Their training will relate, among other things, to protection, preservation and design of the general environment, utilization of scarce resources, water pollution control, population biology, and resource depletion.

Although the programs are designed to normally extend over 12 full quarters of academic work (3 quarters during each of 4 academic years), progress may be accelerated through summer sessions, acceptable extension course work, or credit-by-examination.

### REQUIREMENTS FOR THE MAJORS IN ENVIRONMENTAL MANAGEMENT AND URBAN MANAGEMENT

#### *Lower Division*

The following courses are recommended lower division electives.

#### Urban Management Track

- Economics 110. Economic Theory IA
- Economics 111. Economic Theory IB
- English 111. The Devices of Persuasion (Half Course)
- †Mathematics 150. Elementary Statistics and Probability
- †Mathematics 152. Statistical Analysis and Correlation
- †Mathematics 160. Computer Programming

#### Environmental Management Track

- Economics 110. Economic Theory IA
- Economics 111. Economic Theory IB
- †Biological Science 102. General Biology
- †Mathematics 150. Elementary Statistics and Probability
- †Mathematics 152. Statistical Analysis and Correlation
- †Mathematics 160. Computer Programming
- †Physics 150. Physical Geology

† Consult course description for prerequisite.

**Upper Division (Environmental Management)**

A. All students are required to take eleven core subjects:

- † Art 275. Environmental Design
- † Biological Science 236. Environmental Biology
- Economics 228. State and Local Finance
- Economics 280. The Economics of Urban Areas
- Geography 205. Cartography
- Urban Studies 200. Introduction to Urban-Environmental Management
- Urban Studies 236. Urban Systems Administration
- Urban Studies 245. Regional Air, Noise, and Water Problems
- Urban Studies 250. Policy and Administration of Natural Resources
- Urban Studies 251. Conservation Theory and Environmental Management
- Urban Studies 252. Theory of Standards and Control of Environmental Qualities

B. Twenty units (20 units) of course work selected from:

- † Biological Science 232. Ecology
- Business Administration 210. Management and Organizational Behavior
- Geography 208. Map and Aerial Photograph Interpretation
- Geography 219. California Landscape
- † Geography 222. Contemporary Environmental Problems
- Political Science 219. Ecology and Politics
- Urban Studies 240. Planning and Government Decision Making
- Urban Studies 257. Strategies for Avoiding Scarcities
- Urban Studies 259. Design Parameters for Computer-Based Information Systems for Natural Resources Management
- Urban Studies 260. Energy Resources and the Energetics of Environmental Processes
- Urban Studies 270. Field Studies in Urban-Environmental Management (One-Half Course)

C. Four courses (16 units) selected from:

- † Biological Science 230. Population Biology
- † Biological Science 260. General Oceanography: Biological
- † Chemistry 270. General Oceanography: Physical and Chemical
- † Chemistry 274. Geochemistry
- Chemistry 286. American Science and Technology
- Geography 210. Principles of Geomorphology
- Geography 215. Weather
- Geography 252. Environmental Perception
- Philosophy 217. Values and the Future
- Political Science 270. Public Opinion and Propaganda

D. Urban Studies 296. Senior Seminar: Future Environments

E. Elective courses (40 units): Students may choose the elective courses from additional offerings in the Urban and Environmental Management Program or they may choose departmental offerings in other areas to strengthen or broaden their academic program.

**Upper Division (Urban Management)**

A. All students are required to take eleven core subjects:

- † Art 275. Environmental Design
- Economics 228. State and Local Finance
- Economics 280. The Economics of Urban Areas
- Geography 205. Cartography

† Consult course description for prerequisite.

## Urban Studies: UEM

- Urban Studies 200. Introduction to Urban-Environmental Studies
- Urban Studies 220. Urban Operations Management
- Urban Studies 222. Urban Management Problem Analysis
- Urban Studies 235. Systems Analysis in Urban and Environmental Management
- Urban Studies 236. Urban Systems Administration
- Urban Studies 241. Urban Policy Analysis and Collective Decision Making
- Urban Studies 245. Regional Air, Noise, and Water Problems

B. Five full courses (20 units) selected from:

- Business Administration 210. Management and Organizational Behavior
- Economics 282. Economics of Poverty
- Urban Studies 237. Urban Fiscal Management
- Urban Studies 240. Planning and Government Decision Making
- Urban Studies 242. Housing and Community Development
- Urban Studies 243. Urban Transportation Systems
- Urban Studies 249. National Social Problems and Urban Social Change
- Urban Studies 250. Policy and Administration of Natural Resources
- Urban Studies 270. Field Studies in Urban-Environmental Management (One-Half Course)

C. Four courses (16 units) selected from:

- Art 255. History of Urban Aesthetics
- Geography 235. Urban Geography
- History 284. The City in History
- History 285. History of Urban America
- Philosophy 217. Values and the Future
- Philosophy 219. Business Ethics
- Political Science 218. The Politics of Poverty
- Political Science 220. Urban Government and Politics
- Political Science 270. Public Opinion and Propaganda
- Sociology 212. The Urban Community
- Sociology 267. Sociology of Law

D. Urban Studies 295. Senior Seminar: The Future of Urbanism and Cities

E. Elective courses (40 units): Students may choose the elective courses from additional offerings in the Urban and Environmental Management Program or they may choose departmental offerings in other areas to strengthen or broaden their academic program.

# URBAN AND ENVIRONMENTAL MANAGEMENT INTERNSHIP PROGRAM

Since practical on-the-job and in-the-field experience is a concomitant requisite in a meaningful program embracing the urban-environmental field, all students in Urban and Environmental Management are required to participate in a Cooperative Education Work-Study Internship Program in a spectrum of urban and/or environmental agencies, institutions, or industries. Such work allows students to engage in "action research" and become change agents within organizations as they pursue their education.

## COURSE OFFERINGS IN URBAN STUDIES: URBAN AND ENVIRONMENTAL MANAGEMENT

### *Upper Division*

- 200. INTRODUCTION TO URBAN AND ENVIRONMENTAL MANAGEMENT.** The nature of urbanization. History and evolution of cities up to the present. Selected urban and environmental problems and the perspectives of various disciplines concerned with these problems.

Full Course (4)

- 220. URBAN OPERATIONS MANAGEMENT.** Application of scientific management and management science techniques to organizational decision making in urban management. Power, influence, and control; communication in organizations. Effects of leadership style upon worker performance. Basic quantitative techniques for decision making. Personnel selection and evaluation.

Full Course (4)

- 222. URBAN MANAGEMENT PROBLEM ANALYSIS.** Analysis of differing methods of managing simple and complex urban-environmental systems: problems arising from line and staff functions; changing policy and legal constraints; flow of information; relationship between policy determination, policy administration, and policy implementation.

Full Course (4)

- 235. SYSTEMS ANALYSIS IN URBAN AND ENVIRONMENTAL MANAGEMENT.** Application of the systems analysis approach to the study and design of managerial and operational organization and processes. Systems analysis as an approach to planning and problem solving; conceptual issues in problem formulation and model construction. Application of marginal analysis and mathematical programming to optimal management of urban-environmental systems.

Full Course (4)

- 236. URBAN SYSTEMS ADMINISTRATION.** Modern theories of urban administration; institutional setting and political relationships in administration; relations between policy determination and policy administration; leadership, control, and accountability; the problem of responsibility. Conceptualization, design, analysis, and implementation of man-machine systems in government.

Full Course (4)

- 237. URBAN FISCAL MANAGEMENT.** Fiscal management of physical and human resources in the execution of public policy; analysis of representative types of financial decisions central to urban managers. Forecasting the need for funds. Planning, programming, budgeting systems.

Full Course (4)

- 240. PLANNING AND GOVERNMENT DECISION MAKING.** Origins and evolution of the idea of planning. Procedures for making decisions under conditions of uncertainty. Expected value of additional information. Decision theory, values, games, and optimization techniques. Introduction to mathematical and dynamic programming.

Full Course (4)

- 241. URBAN POLICY ANALYSIS AND COLLECTIVE DECISION MAKING.** Case studies of the goals, means, priorities, and political and professional problems involved in planning and decision making. Relationship of the urban planner to the political system. Opportunism vs. professionalism in urban planning and administration. Rational and non-rational attributes of the planning process. Political constraints and strategies.

Full Course (4)

- 242. HOUSING AND COMMUNITY DEVELOPMENT.** Structure of the building industry and building technology. Markets and building systems. Housing programs and environmental standards. Community development and redevelopment. Planning, program development, finance, and coordination of public facilities and services.

Full Course (4)

- 243. URBAN TRANSPORTATION SYSTEMS.** Urban travel characteristics and trends. Basic urban transportation studies, including origin-destination surveys, inventory, land use and transit surveys. Application of transportation, economic, and land use data in estimating future travel. Planning arterial street and expressway systems, off-street parking, and transit systems. Influence of transportation on the spatial distribution of economic activity.

Full Course (4)

- 245. REGIONAL AIR, NOISE, AND WATER PROBLEMS.** Nature and control of air, noise, and water pollutants. Sources, physical and chemical properties, and effects of major pollutants of the environment. Means of reducing pollution of the environment through urban planning.

Full Course (4)

- 246. ORGANIZATIONAL BEHAVIOR.** Relations between organizations and their clientele; organizational change and innovation; organizational behavior problems; ethnomethodology of working organizations: business, government, voluntary. The process of deliberate organizational change: the "change-agent" and "client-systems"; variables affected by change (e.g., power, communication, conflict), and technologies for producing change (e.g., consulting, training, research).

Full Course (4)

- 247. MANAGERIAL ENVIRONMENT.** The nature of the environment affecting operation and growth of purposeful urban-environmental organizations. Social, political, and technological changes and their impact on managerial problems and responsibilities. The multidimensional character of issues posed by environmental changes.

Full Course (4)

- 248. PERSPECTIVES ON URBAN ISSUES.** Trends and forces underlying contemporary American urban problems. Discussion of specific issues of current significance: poverty, education, finance, housing, urban renewal, transportation, urban design, and the quality of urban life. Ways of thinking about urban issues.

Full Course (4)

- 249. NATIONAL SOCIAL PROBLEMS AND URBAN SOCIAL CHANGE.** A series of case studies analyzing a variety of federal and state programs, examining their development, implementation and impacts upon local urban communities. Visiting lecturers from federal, state, city, and local programs to examine their own plans and strategies in several social policy areas.

Full Course (4)

- 250. POLICY AND ADMINISTRATION OF NATURAL RESOURCES.** Policy development in the resources area as influenced by the structure and pattern of political power on international, national, state and local levels of government. The significance of technological innovations, value orientations, and economic welfare analysis in gearing direction to public planning.

Full Course (4)

- 251. CONSERVATION THEORY AND ENVIRONMENTAL MANAGEMENT.** Ecological factors in conservation theory. Management of natural resources and land on a single, multiple use, or area basis. Man-environment relations, open space and wilderness land uses. The growth, philosophy, activities and influence of environmental, ecological and conservation movements.

Full Course (4)

- 252. THEORY OF STANDARDS AND CONTROL OF ENVIRONMENTAL QUALITIES.** Planning standards and performance criteria for neighborhood and environmental design. Environmental constraints on human adaptability. Spatial organization and social interaction. Environmental influences on health and well-being. Applications of behavioral science to environmental design.

Full Course (4)

- 253. ENVIRONMENTAL SIMULATION FOR DECISION MAKING.** Numerical modeling of air pollution and water pollution. Use of simulation for decision making. Limitations of simulation; computer requirements; data needs; diffusion approximations; scaling techniques.

Full Course (4)

- 255. QUANTITATIVE ANALYSIS OF URBAN SYSTEMS.** Relevance and utility of the scientific method of analyzing urban systems. Predictive and estimating models: matrix methods, linear models, nonlinear and probability models. Optimization and mathematical programming. *Consult instructor for prerequisites.*

Full Course (4)

- 257. STRATEGIES FOR AVOIDING SCARCITIES.** Historical perspective of the scarcity problem. Reserve and resource bank for critical materials. Current and future demand versus supply outlook. Strategies for avoiding scarcities; future resource needs projection analysis and alternative resource use policy formulation.

Full Course (4)

- 259. DESIGN PARAMETERS FOR COMPUTER-BASED INFORMATION SYSTEMS FOR NATURAL RESOURCES MANAGEMENT.** Design, retrieval, manipulation and implementation of an information system structure for inventorying regional resources. Determining, amassing, analyzing and utilizing resources data in the establishment of a regional resource data bank.

Full Course (4)

Urban Studies: UEM

**260. ENERGY RESOURCES AND THE ENERGETICS OF ENVIRONMENTAL PROCESSES.** Energetics of selected environmental processes; analysis of selected industrial and governmental energy conversion systems; energy by-product environmental effects; survey of energy resources, including nuclear fuels, and consumption patterns in industrialized and developing nations. Future energy needs projection analysis and alternative energy use policy formulation.

Full Course (4)

**270. FIELD STUDIES IN URBAN-ENVIRONMENTAL MANAGEMENT.** Study of a particular urban or environmental field problem, individually or in a group, under the direction of a faculty member. *Prerequisite: Consent of instructor.*

One-Half Course (2)

**295. SENIOR SEMINAR: THE FUTURE OF URBANISM AND CITIES.** Integrative discussion of the future of urbanism and cities. *Prerequisite: Senior standing and consent of instructor.*

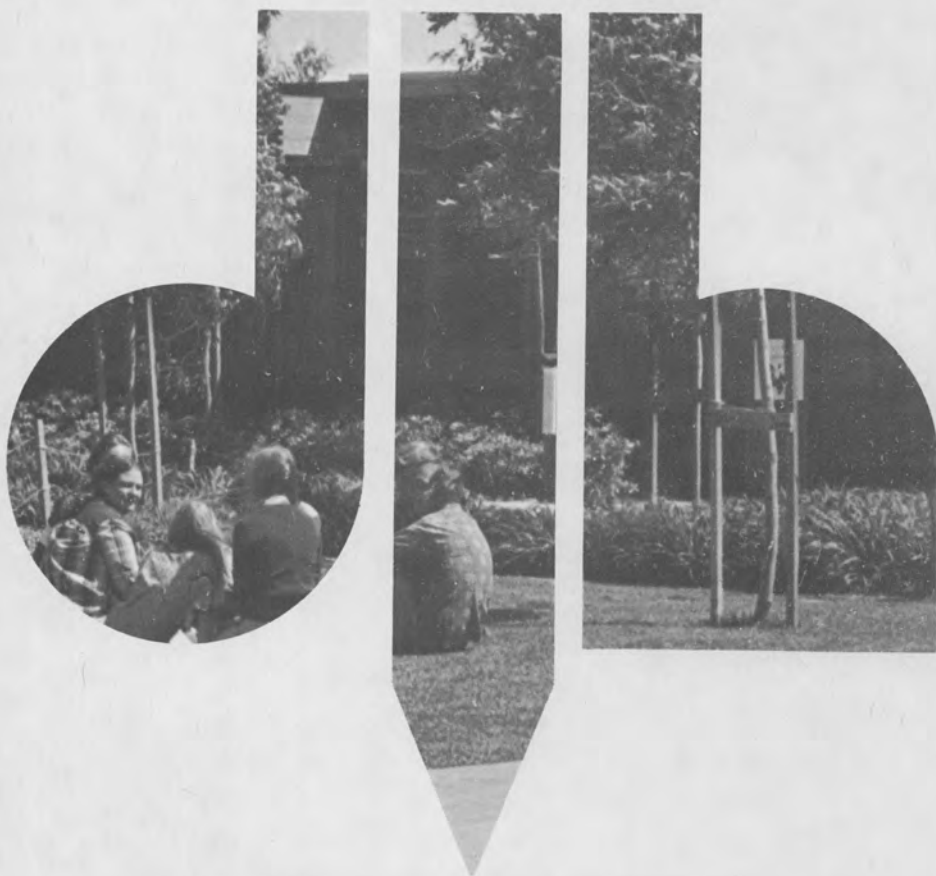
Full Course (4)

**296. SENIOR SEMINAR: FUTURE ENVIRONMENTS.** Critical examination of future environments. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

ADMISSION  
TO THE COLLEGE,  
ADVISEMENT,  
AND REGISTRATION

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## ADMISSION TO THE COLLEGE

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

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

Office of Admissions  
California State College, Dominguez Hills  
1000 East Victoria  
Dominguez Hills, California 90747

### APPLICATION PROCEDURE FOR 1974-75

All prospective students must file a completed application for admission within the appropriate filing period. To complete the application for admission, please follow the instructions provided in the application booklet. A \$20.00 non-refundable application fee must accompany the application. All applications for admission must show the applicant's social security number. Graduate applicants who were enrolled as undergraduate students at the college in the term immediately preceding the term for which they now wish to apply must also complete all the required forms and submit the \$20.00 application fee. Each applicant may file only one application for any one term within the California State University and College system. The application should be filed with the college of first choice. Alternate choice campuses may be listed on the application.

#### *Application Schedule for 1974-75*

The periods for filing applications for admission to the California State College, Dominguez Hills for each quarter are:

<i>Term</i>	<i>Initial Filing Period</i>	<i>Extended Filing Period Begins (continues until quotas are reached)</i>
Fall Quarter 1974.....	November 1-30, 1973	December 1, 1973
Winter Quarter 1975.....	June 1-30, 1974	July 1, 1974
Spring Quarter 1975.....	August 1-31, 1974	September 1, 1974
Fall Quarter 1975.....	November 1-30, 1974	December 1, 1974

#### *Initial Filing Period*

All applications received during the initial filing period will receive equal consideration within the college's established enrollment categories and quotas, irrespective of the time and date they are received.

Applicants who can be accommodated within enrollment quotas will receive confirmation of space reservation. Although the space reservation is not a statement of admission, it is a commitment on the part of the college to admit a student once eligibility has been determined. When the student receives notice of the space reservation, he should initiate action to have transcripts of all college and high school work sent to the college.

Applicants filing during the initial filing periods and currently enrolled in another institution are requested to submit official transcripts upon completion of the work in progress. In addition, any subsequent work attempted must be reported by a final official transcript.

Applications of students who cannot be accommodated at this college will automatically be forwarded to their second choice, and, if they cannot be accommodated there, to their third choice, etc.

The college has established procedures to consider qualified applicants who would be faced with an extreme hardship if not admitted. Prospective hardship petitioners should contact the college regarding specific policies governing hardship admission.

### *Extended Filing Period*

After the initial filing period closes, applications will be accepted only if quotas have not been filled. Enrollment priorities within the extended filing period will be granted in chronological order of application receipt by the colleges. Official transcripts are required after application filing.

## **ADMISSION AS AN UNDERGRADUATE**

Requirements for admission to California State College, Dominguez Hills, are in accordance with Title 5, Chapter 5, Subchapter 2 of the *California Administrative Code*. A prospective applicant who is unsure of his status under these requirements is encouraged to consult with a school or college counselor or contact the Office of Admissions of the California State College, Dominguez Hills.

### **FIRST-TIME FRESHMAN ADMISSION REQUIREMENTS**

An applicant who has had no college work after high school graduation will be considered for admission under one of the following provisions. Submission of the results of either the College Entrance Examination Board Scholastic Aptitude Test or the American College Test is required.

Exceptions: College credit earned concurrent with high school enrollment; college credit earned in summer session after high school and prior to regular matriculation in college; college credit granted for the CLEP or ADVANCED PLACEMENT programs, or military or USAFI courses; or college credit granted for some non-traditional learning experience will *not* affect the applicant's status as a first-time freshman for application quota purposes as well as admission. Further, the accelerated student, who completes his high school program mid-year, who has applied to the California State University and Colleges for the following fall term, but chooses to attend a local community college in the spring term, will be considered a first-time freshman for application quota purposes as well as admission. All such college or advanced standing credit, if fully acceptable as transfer credit, will be granted the student after admission.

### *California High School Graduates and Legal Residents for Tuition Purposes*

An applicant who is a graduate of a California high school or a legal resident for tuition purposes must have a grade point average and total

score on the SAT, or composite score on the ACT, which together provide an eligibility index placing him among the upper one-third of California high school graduates.

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

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

<sup>1</sup> Students earning grade point averages above 3.20 are eligible for admission.

<sup>2</sup> Students earning grade point averages below 2.0 are not eligible for admission.

The minimum eligibility index is 3072, using the Scholastic Aptitude Test, or 741, using the American College Test. It is computed either by multiplying grade point average by 800 and adding it to the total SAT score or by multiplying grade point average by 200 and adding it to 10 times the composite ACT score. In both cases, the combination may not include a grade point average less than 2.0.

#### *High School Graduates From Other States or Possessions Who Are Nonresidents*

An applicant who is a nonresident for tuition purposes and who is a graduate of a high school in another state or a U.S. possession must have an eligibility index which would place him among the upper one-sixth of California high school graduates. The minimum eligibility index is 3402, using the Scholastic Aptitude Test, or 826, using the American College Test.

#### *Graduates of High Schools in a Foreign Country*

An applicant who is a graduate of a foreign high school must have preparation equivalent to that required of eligible California high school graduates. The college will carefully review the previous record of all such applicants, and only those with promise of academic success equivalent to that of eligible California high school graduates will be admitted. Such applicants are not required to take either the SAT or ACT. Foreign visa students are referred to page 47.

#### *Non-High School Graduates*

An applicant who is over 21 years of age, but has not graduated from high school, will be considered for admission only when his preparation in all other ways is such that the college believes his promise of academic success is equivalent to that of eligible California high school graduates.

#### *High School Students*

A student still enrolled in high school will be considered for enrollment in certain special programs if he is recommended by his principal and his 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. Such applicants are not required to take the ACT or SAT.

#### *Recommended Preparation*

Overall excellence of performance in high school subjects and evidence of academic potential provide the basis for admission at California State College, Dominguez Hills. While no course pattern is required, the applicant to be properly prepared to undertake a full program of studies, and

particularly to pursue the required program in General Education, is strongly encouraged to include the following subjects as minimally adequate background for college work:

1. College preparatory English
2. Foreign language
3. College preparatory mathematics
4. College preparatory laboratory science
5. College preparatory history and/or social science
6. Study in speech, music, art, and other subjects contributing to general academic background

#### **UNDERGRADUATE TRANSFER ADMISSION REQUIREMENTS**

Applicants for admission to the State University and Colleges as undergraduate transfers will be considered for admission under one of the following provisions:

*Applicants who have successfully completed 60 or more transferable semester units, or the equivalent, are eligible for admission if they have achieved a grade point average of 2.0 (C) and were in good standing at the last college attended. Nonresident applicants must have earned a grade point average of at least 2.4 (C+).*

*Applicants who have successfully completed fewer than 60 transferable semester units, or the equivalent, are eligible for admission if they meet the above requirements and the current first-time freshman requirements. Applicants for admission as transfer students who have been continuously enrolled at a college since graduation from high school are eligible if they meet the first-time freshman requirements in effect at the time of their high school graduation. Either SAT or ACT test results are required of transfer applicants with fewer than 60 transferable semester units.*

#### ***Admission of Foreign Visa Students***

For admission as an undergraduate, a foreign visa student must have completed 60 or more transferable semester units or 90 quarter units of college-level work at an accredited U.S. institution with a grade point average of 2.4 or better.

In addition to this requirement, a foreign student's record will be reviewed for courses completed for general education requirements and in preparation for his major field. Foreign students must also be competent in English, have financial resources adequate to provide for all expenses during their period of study at this college (see Schedule of Registration Fees), and be in good health.

All foreign students should contact the Foreign Admissions Evaluator in the Office of Admissions and Records prior to filing an application for admission.

### *Other Applicants*

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

## **EDUCATIONAL OPPORTUNITY PROGRAM**

The Educational Opportunity Program is designed to offer a range of supportive services to undergraduate students in the California State University and Colleges who are educationally disadvantaged but who display potential for success. Prospective students who cannot meet standard admission requirements may apply for admission into the Educational Opportunity Program (E.O.P.). Acceptance into the program is based upon an evaluation of the student's past educational experience, letters of reference, personal interviews, and an autobiographical sketch. Specific information regarding this program may be obtained from the E.O.P. Office.

## **ADMISSION AS AN AUDITOR**

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

## **EVALUATION OF ACADEMIC RECORDS**

### *Evaluation of Transfer Credits*

Previous college work will be evaluated in terms of its relationship to the requirements of the California State College, Dominguez Hills. All degree candidates will be issued a Certificate of Admission and Evaluation which serves as a basis for determining General Education requirements. The evaluation is official and remains valid as long as the student enrolls in the quarter specified and remains in continuous attendance. If the student is not in continuous attendance, an evaluation issued upon readmission will specify any additional requirements or changes.

### *Allowance for Transfer Credit*

The maximum credit allowed by the Administrative Code when transferring from a community college to a state college is 105 quarter units (70 semester units). Upper division credit is not allowed for courses completed at a community college. Transfer credit is not limited to those

courses which precisely parallel the courses offered at California State College, Dominguez Hills. However, certain courses are not acceptable as transfer credit—e.g., vocational or shop-type courses, remedial courses, etc.

#### *Credit for Extension and Correspondence Courses*

The college allows transfer credit for appropriate college-level courses completed in extension or by correspondence from accredited colleges or universities and the United States Armed Forces Institute. A maximum of 36 quarter (24 semester) units earned through extension, correspondence and USAFI may be accepted toward a bachelor's degree. Of this total, not more than half may be transferred from another college or university.

#### *Credit for Military Service*

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

#### *Advanced Placement*

The college grants advanced academic placement credit for students who have completed the Advanced Placement Test program of the College Entrance Examination Board and have attained a score of 3, 4, or 5. A score of 3 or better earns nine quarter units of college credit. Notification of credit will be sent to the student by the Office of Admissions and Records.

#### *College Level Examination Program (CLEP)*

Applicants granted CLEP credit while attending another institution are provided full transfer credit upon evaluation.

#### *Credit for Supplemental Transfer Work*

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

### **READMISSION OF FORMER STUDENTS**

A student previously enrolled in the college, planning to return after an absence of one or more quarters, must file a new application for admission. The application fee is required if the student was not enrolled in any of the three quarters prior to the quarter in which he is seeking admission or if he was enrolled in another institution during his absence from California State College, Dominguez Hills.

### *Former Students in Good Standing*

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

### *Former Students on Probation*

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

### *Former Students Disqualified*

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

## **SUMMER SESSION**

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

## **APPLICATION FOR ADMISSION**

### **MAJOR STEPS**

(Detailed information on each step follows)

1. Submit completed Application for Admission, showing social security number, with the Residence Questionnaire and \$20 non-refundable application fee.
2. Have the high school of graduation send directly to the college a transcript of record if you are a new freshman or transfer student with fewer than 60 transferable semester units completed.
3. Have each college (if any) send directly to the college a transcript of record.
4. Submit ACT or SAT scores if you are a new freshman or transfer student with fewer than 60 transferable semester units completed.

## APPLICATION FEE

Every applicant for admission or readmission, except as noted below, is required to pay a non-refundable fee of \$20 each time an application is filed. Remittance by bank draft or money order payable to the California State College, Dominguez Hills, should be attached to the application. No application may be processed until the fee has been received by the Office of Admissions. The fee may be waived for readmission application if the student was regularly enrolled in one of the three quarters immediately preceding the quarter for which the application is submitted, unless the student was enrolled at another institution in a regular session subsequent to his last attendance at this college.

## RESIDENCE QUESTIONNAIRE

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

### *Determination of Residence*

The following statement of the rules regarding residency determination is not a complete discussion of the law, but a summary of the principal rules and their exceptions. The statutes governing residence determination for tuition purposes are found in Education Code Sections 23753.2-23762, Government Code Sections 243-244, and Civil Code Section 25. The determination of whether a student qualifies as a "resident" for admission and tuition purposes is made by the college after review of a "Residence Questionnaire" completed by each student upon entering the college. The residence questionnaire is designed to provide to the college information necessary for residency determination, including the applicability of any exceptions.

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 admission and tuition purposes. A residence determination date is set for each academic term and is the date from which residence is determined for that term.

Whether a student has acquired California residence usually depends on whether the student has attained majority; i.e., has become an adult. Majority is attained at 18 years of age. If the student is a minor, residence is derived from (and therefore is the same as) that of his or her father. If the father is not living, the student's residence is that of the mother while she remains unmarried. A minor cannot change his residence by either his own act or that of his guardian.

Upon attaining majority, the student may acquire a residence apart from his or her parents. The acquisition of California residence by an adult requires both physical presence in the state and, at the same time, an intent to remain in California indefinitely, that is, an intent to regard California as one's permanent home. Although physical presence is easily proven, subjective intent is more difficult, requiring the student to present evidence of various objective manifestations of such intent.

A woman may establish her own residence even though she be married. An alien is not eligible to acquire residence until admitted into the United States for permanent residence under an immigrant visa.

Since the general rules of residence determination, summarized above, work hardships in some cases, the Legislature has provided a number of exceptions which, in effect, waive non-resident tuition. These rules are limited in scope, and are quite detailed. If it appears that any of them may be applicable, the student may wish to discuss the matter with the residence clerk of the college. Exceptions are provided for:

1. Minors whose parents were residents of California but who have left the state. When the minor reaches age 18, the exception continues for the year to enable the minor to qualify as a resident student.
2. Minors who have been present in California for more than a year before the residence determination date, and entirely self-supporting for that period of time, are treated as adults for purposes of determining residence.
3. Dependent children and spouses of persons in active military service stationed in California on the residence determination date. This exception applies only for the minimum time required for the student to obtain California residence and maintain that residence for a year. The exception is not affected by transfer of the military person directly to a post outside the 50 states and District of Columbia.
4. 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.
5. Certain credentialed, full-time employees of community college districts.
6. Full-time State University and Colleges employees and their children and spouses. This exception applies only for the minimum time required for the student to obtain California residence and maintain that residence for a year.
7. Certain exchange students.
8. 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.
9. A person in continuous full-time attendance at an institution who had resident classification on the effective date of Statutes 1972, Chapter

1100 (AB 666) shall not lose such classification as a result of adoption of the uniform student residency law on which this catalog statement is based, until the attainment of the degree for which currently enrolled. (*Education Code* Section 22862).

It is anticipated at the time this is written that the new residence law will become effective in early March, 1973.

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

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

#### **SOCIAL SECURITY ACCOUNT NUMBER**

Each applicant for admission is required to have a social security account number. Each applicant will record his social security account number on the application for admission; it is essential that the number is recorded accurately.

If the applicant does not already have a social security account number, he may obtain application forms from his nearest social security district office or his local post office. If his name has been changed, he should complete a change-of-name application form and a new social security card will be issued showing the same account number with his new name. Duplicate cards may be obtained to replace lost cards.

#### **TRANSCRIPTS**

Responsibility for insuring that the transcripts reach the Office of Admissions rests with the applicant. The schools and colleges will send them only upon the request of the student. Transcripts presented by students are not acceptable. No transcripts will be returned to the student; all transcripts become the property of the college and will not be released nor will copies be made. Applicants who are admitted as transfer students must have a separate set of college transcripts for their own personal use in academic advising.

An applicant for admission with advanced standing must report all college work attempted, including extension and correspondence courses. An applicant disregarding this regulation may have his application for admission cancelled.

### *First-Time Freshman Applicants*

1. If the applicant is enrolled in his last semester of high school, he must file a transcript showing all work completed to date. After high school graduation, a final transcript must be filed.
2. An applicant who has graduated from high school but has not attended a college or university must file an official transcript showing grades earned during the last 3 years of high school.

### *Undergraduate Applicants*

1. All transfer applicants must submit an official transcript from each college or university attended.
2. Undergraduate applicants with less than 60 transferable semester (90 quarter) units completed must also file an official high school transcript showing grades earned during the last three years of high school.

## **ENTRANCE EXAMINATIONS**

All new freshman and transfer students with fewer than 60 transferable semester units completed who apply for admission to the California State College, Dominguez Hills, for the first time are required to submit scores of either the College Entrance Examination Board Scholastic Aptitude Test (SAT) or the American College Test (ACT). The test must be taken after the completion of the eleventh grade.

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

### *SAT*

College Entrance Examination Board  
Box 1025  
Berkeley, California 94770

#### *Dates Test Given:*

Oct. 13, 1973

(Calif-Tex)

Nov. 3, 1973

Dec. 1, 1973

Feb. 2, 1974

Apr. 6, 1974

June 22, 1974

### *ACT*

Registration Unit  
P.O. Box 168  
Iowa City, Iowa 52240

#### *Dates Test Given:*

Oct. 20, 1973

Dec. 8, 1973

Feb. 23, 1974

Apr. 27, 1974

June 15, 1974

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

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

Additional testing may be required of each student when he arrives on campus.

## NOTIFICATION OF ELIGIBILITY

So that students may be informed as early as possible about eligibility, they are urged to apply early in the application period and to promptly request, when notified by the college to do so, 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 to the applicant of his eligibility will vary.

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

Transfer students applying for admission in advanced standing may expect notification about four weeks after final transcripts have been received. The receipt of preliminary transcripts may shorten this interval. Applicants should arrange for submitting of preliminary transcripts showing work-in-progress.

## HEALTH EXAMINATION

A statement of the student's physical fitness by a licensed physician is required for matriculation. Physical examination forms will be sent to those students admitted and must be returned to the Health Service prior to registration.

## GRADUATE AND POST-BACCALAUREATE ADMISSION REQUIREMENTS

At the time of admission, students who have a baccalaureate degree and who wish to pursue additional studies at California State College, Dominguez Hills, are designated according to their goals and academic qualifications.

### I. Post-Baccalaureate Students

#### 1. Credential Objective: College-Recommended

Students who are admitted in this category have as their sole, or first, objective the attainment of a college-recommended California credential.

#### 2. Credential Objective: Direct Application to the State

This category covers students who have as their objective the attainment of a credential by direct application to the State of California.

#### 3. Other Objective

Students with educational objectives other than an advanced degree offered by this college may be admitted under this designation only upon petition to the Dean of Graduate Studies.

### II. Graduate Students

#### 1. Master's Degree Objective: Conditionally Classified

Students, who are judged by the college and major area of instruc-

tion to be "qualifiable" applicants for classified graduate status upon the satisfactory completion of clearly specified prerequisites, may be admitted as conditionally classified and will be informed in writing of the conditions for achieving classified status. No applicant may be admitted as a conditionally classified student if the requirement for achieving classified status is that the student take more than 20 units of graduate and/or undergraduate coursework as a precondition to advancement to classified status.

2. Master's Degree Objective: Classified

Students may be admitted with classified status who meet the minimum criteria (i.e., professional, personal, scholastic, etc.) set by the college and by the specified department or major area of instruction.

3. Master's Degree Objective: Advanced to Candidacy

Students may be advanced to candidacy who satisfactorily meet the specified college and departmental or instructional area requirements, including the completion of a minimum of 24 approved units (graduate and/or undergraduate).

***Basic Admission Requirements: Post-baccalaureate and Graduate***

To be considered for admission to the California State College, Dominguez Hills, as a post-baccalaureate or graduate student, the applicant must:

1. Hold an earned baccalaureate degree or its equivalent from an accredited college or university; *and*
2. Be in good standing at the last college or university attended as a matriculated student; *and*
3. Have an overall undergraduate grade point average of 2.5 in the last ninety (90) units attempted. More stringent requirements for specific programs may be established; *and*
4. Be accepted by a department or instructional area offering an approved master's degree or credential program as a:
  - a. conditionally classified master's degree objective graduate student, *or as a*
  - b. classified master's degree objective graduate student, *or as a*
  - c. post-baccalaureate teaching credential candidate.

***Exceptions:*** A student who does not qualify for admission under the above requirements may, by submitting a petition to the Dean of Graduate Studies indicative of academic, professional, and other potential appropriate to his educational objective, request admission as an exception.

### *Specific Program Admission Requirements*

In addition to the post-baccalaureate credential programs in the School of Education, the college offers master's degree programs in Behavioral Sciences, Business Administration, Education, and English. Applicants should consult the program description for each of these fields for specific admission requirements.

## ADMISSION PROCEDURES: GRADUATE AND POST-BACCALAUREATE

### *Application and Fee*

All prospective graduate students must submit a completed Application for Admission, showing social security number, with the \$20 non-refundable application fee. This should be done as early as possible in the application period.

Applicants to a teacher education program must submit their applications for any fall quarter by the preceding March 1.

### *Transcripts*

Students wishing to work toward a teaching credential at the California State College, Dominguez Hills, must have each college attended send one copy of the transcript of record directly to the Office of Admissions, California State College, Dominguez Hills, and one copy of the transcripts to the School of Education, California State College, Dominguez Hills. All students are urged to have, in addition, a personal set of transcripts for advising purposes.

All other prospective graduate students must have *two* copies of transcripts from *all* institutions of higher learning they have attended sent to the Office of Admissions, California State College, Dominguez Hills.

If an applicant is currently enrolled in his last semester or quarter prior to receiving his baccalaureate degree, he must request that institution to send a transcript showing all course work completed and work-in-progress directly to the Office of Admissions and Records. He must indicate on his Application for Admission that he will graduate at the end of that term. When work-in-progress has been completed, he must request a complete transcript verifying degree and date it was granted.

If he has a baccalaureate degree, he must request the institution where it was granted to show on his transcript the degree and date it was granted.

## CANCELLATION OF ADMISSION

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

## ACADEMIC ADVISEMENT

The Academic Advisement Program is designed to increase the student's understanding of academic offerings and degree programs. Faculty advisers who are specialists in their field are available for consultation during the entire academic year and students are urged to meet with them at least once every quarter.

### *Advisers*

Students should declare an interest in major concentrations during their first quarter of work. Usually these students are assigned to advisers. Any student who plans to remain undeclared or who has not selected a departmental and interdepartmental field should go to the Office of the Coordinator of Faculty Academic Advising for assistance, ERC D-512. A student who can express preference for one of the schools should consult that School's Coordinator of Advisement.

### *Frequency of Advising*

Students should review their program of studies with their advisers regularly and should meet with their adviser any time they have a problem or a question. All students are required to meet with their advisers on at least two occasions: during the quarter following the completion of 90 quarter units of coursework and when 135 quarter units of coursework are completed. These meetings are essential since unfulfilled requirements may result in a delay at future registrations or even a delayed graduation date. It is imperative that upper division transfer students consult at length with advisers when they first arrive on campus.

### *Student Responsibilities*

It is the student's responsibility to keep in touch with his faculty academic adviser and to make appointments for all advisement sessions. The student is responsible, moreover, for bringing the Certificate of Admission and Evaluation, advisement forms, quarterly grade reports, and transcripts of previous high school (where applicable) and college work to these advisement meetings.

### *Change of Academic Advisers*

The student may change faculty advisers. Change forms are available from departmental and interdepartmental offices.

### *New and Transfer Students*

New and transfer students are required to see an academic adviser. Before classes begin they will be notified of the date and time to report for general orientation and initial academic advisement. Students are

urged to declare an interest in major concentrations during their first quarter of work in order that they may be assigned to an adviser as soon as possible. All upper division transfer students with 90 or more acceptable quarter units are required to meet with their faculty academic advisers prior to the end of their first quarter of coursework.

Transfer students will be notified by the Office of Admissions and Records of the evaluation of their transfer courses at the time of admission. Equivalency of transfer courses toward fulfilling departmental and interdepartmental requirements will be made by the faculty advisers.

### *Coordinator of Faculty Academic Advising*

Any student needing assistance with academic advising should go to the Office of the Coordinator of Faculty Academic Advising, ERC D-512.

### *Class Level of Students*

Students are assigned class level according to the following plan:

#### *Lower Division*

- Freshman ..... 0-11 full courses (0-44 quarter units)  
Sophomore ..... 11¼ to 22¼ full courses (45-89 quarter units)

#### *Upper Division*

- Junior ..... 22½ to 33½ full courses (90-134 quarter units)  
Senior ..... 33¾ or more full courses (135 or more quarter units)

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

### *Study List Limits*

For undergraduate students in good academic standing, the normal program load is the equivalent of four full courses. To this may be added activity courses having a value of one-half course or less. A student may enroll in a maximum of 18 units during the registration period. This will provide a better opportunity for more students to have a complete program. Students who wish to enroll in more than 18 units may add additional courses beginning the first day of instruction with the signature of the instructor and written approval of the adviser on the Change of Program card.

### *Full-Time Status*

Undergraduates are considered to be full-time students during any quarter in which they are enrolled in twelve units or more.

Graduate students are considered to be full-time during any quarter in which they are enrolled in eight units or more.

## TRANSCRIPTS OF RECORD

A student may obtain an official transcript of his record by making formal application to the Registrar. A fee of \$1 is charged for each transcript.

## GENERAL REGULATIONS

### STUDENT RESPONSIBILITY

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

### RIGHT OF PETITION

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

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

### SCHOLASTIC POLICIES

#### *Grades and Grade Points*

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

Grade	Grade Points
A Excellent .....	4
B Very Good .....	3
C Satisfactory .....	2
D Barely Passing .....	1
F Failure .....	0
I Incomplete (Not counted in grade average) .....	0
W Withdrawal (Not counted in grade average.) .....	0

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

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

#### *Credit/No Credit Grades*

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

#### I. Grade Equivalences and Records

1. Both Credit (CR) and No Credit (NC) grades are recorded on student transcripts.
2. In accordance with current policies of the Board of Trustees, at the undergraduate level the Credit grade is the equivalent of an A, B, or C; and the No Credit grade is the equivalent of a D or F. At the graduate level, CR is the equivalent of an A or B; and NC is the equivalent of a C, D, or F.

3. CR/NC grades are not computed in overall or quarterly grade point averages.
4. Progress points are assigned the non-traditional grades of CR and NC. Two progress points are assigned for each unit of the CR grade; and no progress points for each unit of the NC grade.

## II. Course Limitations

1. No more than 32 units graded CR/NC, whether taken at this or another institution, may be offered in satisfaction of the total units required for a bachelor's degree. If 32 units graded CR/NC are accepted in transfer, no additional courses graded CR/NC may be used to satisfy degree requirements, except when a required course is grade solely on a CR/NC basis.
2. Selection of the grading basis (A through F or CR/NC) is made at the time of registration for the course.
3. Courses used to satisfy a departmental major, or which are prerequisite to it, *must* be taken for a letter grade.
4. No more than fifty (50) percent of the courses submitted to fulfill requirements for the interdepartmental major may be taken for CR/NC grades.

*However, if a student considers his interdepartmental major to be his primary major, all courses used to satisfy its requirements must also be taken for a letter grade.*

5. Graduate courses graded on a CR/NC basis are limited to courses specifically designated in the catalog for non-traditional grading and to certain 300-level courses in the School of Education.
6. At least 36 of the units used to fulfill the minimum requirements for a master's degree program shall be graded on an A, B, C, D, F basis.

## Incomplete Grade

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

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

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

Change of Grade forms to remove an incomplete grade are available in

the Office of Admissions and Records. It is the student's responsibility to pick up the form, secure the signature of the instructor, and have the instructor return the form to the Office of Admissions and Records within the time period allowed.

### ***SP (Satisfactory Progress)***

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

### ***Scholastic Probation or Disqualification for Undergraduate Students***

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

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

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

- A. As a lower-division student, if he 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 he is enrolled.
- B. As a junior, if he falls 9 or more grade points below a 2.0(C) average on all units attempted or in all units attempted at the campus where he is enrolled.
- C. As a senior, if he falls 6 or more grade points below a 2.0(C) average on all units attempted or in all units attempted at the campus where

he is enrolled.

- D. Regardless of class level, if during any term while he is on probation he fails to earn twice as many progress points as units attempted.

In addition to the above disqualification standards applicable to students on probation, a student may be disqualified when:

1. During the term just concluded, the student has accumulated a grade point deficiency sufficiently great to place him 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 class level it seems unlikely that the deficiency will be removed within a reasonable period.

#### *Scholastic Standards for Graduate Students*

All graduate students will be disqualified whose postgraduate grade point average at California State College, Dominguez Hills, or whose overall postgraduate grade point average falls below 2.5. Higher standards may be required for admission and continuance in classified status in specific master's degree programs and for graduate students seeking teaching credentials.

#### *Official Withdrawal from the College*

Students who wish to withdraw from the college are urged to consult the Dean of Students prior to official withdrawal. Official withdrawal is necessary if a student leaves the college at any time after registration and does not intend to complete the quarter. The forms for initiating this process may be obtained from the Office of Admissions and Records.

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

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

#### *Official Withdrawal from a Course*

1. *Students who fail to attend the first meeting of a class without prior arrangement with the instructor* will be dropped from that class. No grade will be assigned, and the enrollment will not appear on the student's permanent record.
2. *During the first three weeks of each quarter* a student may withdraw by filing a change-of-program card without approval of the instructor. No grade is assigned, and the enrollment does not appear on the student's permanent record.

3. *Beginning with the fourth week and prior to the final three weeks of each quarter*, an administrative grade of W may be assigned provided the student's withdrawal request form lists serious and compelling reasons. Permission to withdraw during this time period is to be granted only with the approval of the instructor and department chairperson.
4. *During the final three weeks of each quarter*, the administrative grade of W shall not be assigned unless the student's withdrawal request form indicates a serious accident or illness. Medical verification may be required. In addition to the signatures of both the instructor and department chairperson, the approval of the School Dean is required on the withdrawal request form. Ordinarily withdrawals in this category involve total withdrawal from the college.

#### ***Change-of-Program After Registration***

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

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

#### ***Credit-by-Examination***

A student in residence may receive credit-by-examination for courses in which he is eligible to enroll. The student should contact the office of the appropriate departmental chairperson to initiate the procedure for credit-by-examination. The student may choose to receive either a CR/NC grade or a traditional letter grade for a course taken by examination according to the rules established for regular course enrollment. Ordinarily, the examination will be scheduled within thirty days after the petition has been approved by the department chairperson. Credit-by-examination will not be given for course work which an academic department deems inappropriate or impossible to evaluate as, for example, might be the case in a laboratory science course. If a student enrolls in a course and then petitions for credit-by-examination, the examination must be taken prior to the "add course" deadline.

#### ***Postgraduate Credit for Seniors***

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

*receive graduate credit for the work taken.* Petitions are available in the Office of Admissions and Records.

#### *Dean's List*

Students qualify for the Dean's List in each quarter in which they earn a grade point average of 3.5 or better in 12 or more units of letter grade courses.

#### *Graduation with Honors*

The honor of Graduation with Distinction is granted to those students who earn a grade point average of 3.5 overall and in their major during the last 90 quarter units of work taken at the college.

The honor of Graduation with Great Distinction is granted to those students who earn a grade point average of 3.8 overall and in their major during the last 90 quarter units of work taken at the college.

#### *Auditors*

A student not admitted to, nor enrolled in, the college 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 register in the usual way and pay the same fees as would be charged if the courses were taken for credit. Enrollment as an auditor is subject to the approval of the instructor; a student registered as an auditor may be required to participate in any or all classroom activities at the discretion of the instructor. Credit for courses audited will not subsequently be granted on the basis of the audit. No record of audit appears on the student's permanent record card nor are transcripts issued for audited courses.

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

#### *Concurrent Enrollment*

Concurrent enrollment in resident courses, or in extension courses, in another institution is permitted only when the entire program has received the approval, first, of the departmental major adviser and, second, of the Evaluations section of the Office of Admissions. 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 this college and that the total program will not constitute an excessive study load. Petitions may be obtained from the Office of Admissions and Records.

### **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 advisers and the appropriate instructor.

### **Repeated Course**

The conditions under which a course may be repeated are:

1. A course for which a grade of D has been assigned may be repeated, but unit credit for the course is not given again; *or*  
A course for which a grade of F has been assigned may be repeated, with credit given if the grade earned is a passing grade.  
*A repeated course is counted as units attempted and is credited with grade points earned, the effect being to average the grades.*
2. A course for which a grade of NC has been assigned.
3. All courses designated with an asterisk following the unit value may be repeated for credit; for example,

### **One-Fourth Course (1) \***

*The number of credits which may be counted toward the degree will be determined by the academic adviser.*

### **Course Numbering System**

The course numbering system for the college is based on a three digit number followed by a decimal point, as follows:

000.-099. Sub-collegiate courses. Credit is granted for such courses only if equivalent work has not been taken in high school.

100.-199. Lower division courses

200.-299. Upper division courses

300.-399. Graduate professional courses

400.-499. Graduate courses

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

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

### **DEBTS OWED TO THE COLLEGE**

From time to time the student may become indebted to the college. This could occur, for example, when the student fails to repay money borrowed from the college. Similarly, debts occur when the student fails to pay college library fees, or when the student fails to pay for other services provided by the college at the request of the student. Should this occur, Sections 42380 and 42381 of Title 5 of the *California Administrative Code* authorize the college to 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. For example, under these provisions the college may withhold permission to register, and may withhold other services, such as grades and transcripts. If a student feels that he or she does not owe all or part of a particular fee or charge, the student should contact the college business office. The business office, or another office of the college to which the student will be referred by the business office, will review the pertinent information, including information the student may wish to present, and will advise the student of its conclusions with respect to the debt.

## REGISTRATION

Each student registers in the California State College, Dominguez Hills, at times scheduled for this purpose. Early registration is available to continuing students. New students eligible for early registration will be notified by mail; others register just prior to the beginning of instruction. Registration covers filling out official cards, enrolling in courses, paying fees, and receiving a Student Identification card.

The continuing student should consult the calendar, official bulletin boards and student newspaper for information regarding early registration schedules.

### SCHEDULE OF REGISTRATION FEES

Tuition is not charged to legal residents of California. All students pay the regular fees shown below. Auditors pay the same fees as students registering for credit. All fees are subject to change by the Trustees of the California State Colleges.

Fees for each quarter are payable at the time of registration. No individual will be admitted to class prior to payment of registration fees.

#### Application for Admission to the College

Application Fee.....	\$20.00
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#### Fees Required at Registration (per quarter)

Materials and Service Fee	
0 to 3.9 units.....	26.50
4 to 7.9 units.....	30.00
8 to 11.9 units.....	33.00
12 or more units .....	39.00
Student Activity Fee	
Students enrolling for 6 or less units.....	3.50
Students enrolling for more than 6 units	
Fall Quarter.....	10.00
Winter and Spring Quarters.....	5.00
Facilities Fee	
All students .....	2.00
Non-Resident Tuition Fee (In addition to the other Registration fees)	
U.S. Citizens	
Per unit or fraction thereof .....	25.00 *
Maximum charge—15 units or more .....	370.00 *
Per academic year .....	1,110.00 *
Foreign-Visa Students (Students who are citizens and residents of a foreign country)	
Per unit or fraction thereof .....	25.00 *
Maximum charge—15 units or more .....	370.00 *
Per academic year .....	1,110.00 *

\* Commencing with Winter Quarter 1974, the Non-Resident Tuition Fee will be \$29 per unit, \$433 for 15 units or more, and \$1,300 per academic year.

<b>Parking Fees</b>	
All students .....	10.00
Alternate vehicle (evidence of ownership of vehicles must be presented) .....	2.00
Two-wheeled motorized vehicles .....	2.50
Car pool permit.....	10.00
Annual permit (Fall, Wtr., Spr., Quarters) .....	30.00
Annual alternate permit .....	6.00
Summer Session .....	6.00
<b>Other Fees</b>	
Late Registration (Payable the day instruction begins) .....	5.00
Failure to meet administratively required time limit or appointment .....	2.00
Check returned for any cause.....	5.00
Items lost or broken.....	Cost
Transcript of Record (per copy) .....	1.00
Library fines—A charge is made for the late return of material borrowed from the library.	
Lost books and other library items .....	Cost + Service charge of \$5.85
Diploma fee .....	4.00
Identification card .....	1.00

### REFUND OF FEES

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

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

#### *Materials and Service Fee*

To be eligible for partial refund, a student who is completely withdrawing from the college must file a refund petition with the Registrar not later than 14 days after the first day of instruction. \$10.00 will be retained by the college to cover the cost of registration. Refunds may not be granted when units are dropped.

#### *Non-Resident and Foreign Tuition Fee*

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

#### *Parking Fee*

Petitions for refund of the Parking Fee must be filed with the Campus Security Office. If the petition is filed before or during the first 25 calendar days of the quarter, 66% of the Parking Fee will be refunded; from the 26th to the 50th calendar days of the quarter, 33%; on or after the 51st calendar day, 0%.

Consult the Business Office of the college for further information.

# FACULTY AND ADMINISTRATION OF THE COLLEGE

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## FACULTY AND ADMINISTRATION—1973-74

- LEO F. CAIN (1962) ..... President; Professor of Psychology  
A.B., 1931, Chico State College; M.A., 1935, Ph.D., 1939, Stanford University.
- RAUL ACEVES (1970) ..... Assistant to the President;  
Director of College Community Relations  
B.S., 1958, University of California, Los Angeles; M.E., 1965, Loyola University; M.A., 1972, New York University, Madrid, Spain; Ph.D. candidate, New York University.
- JACK ADAMS (1966) ..... Professor of Psychology  
B.A., 1950, University of California, Berkeley; M.A., 1956, University of Hawaii; Ph.D., 1963, Claremont Graduate School.
- ROBERT L. ALT (1968) ..... Associate Professor of Physics  
B.S., 1959, Capital University; M.S., 1961, Ph.D., 1968, Ohio State University.
- MILAGROS R. AQUINO (1968) ..... Associate Professor of Education  
B.S., 1957, Ilocos Norte Normal School, Philippines; M.A., 1963, Philippine Normal College; M.A., 1965, Ed.D., 1967, University of California, Los Angeles.
- WILLIAM L. ARMACOST (1968) ..... Associate Professor of Mathematics  
B.A., 1963, Pomona College; M.A., 1965, Ph.D., 1968, University of California, Los Angeles.
- HARBANS L. ARORA (1968) ..... Professor of Biological Science  
B.S., 1944, M.S., 1945, Panjab University; Ph.D., 1949, Stanford University.
- INGEBORG ASSMANN (1970) ..... Associate Professor of Education  
B.A., 1950, Kant College; M.A., 1964, Montclair State College; Ph.D., 1967, University of Southern California.
- JOHN W. AULD (1968) ..... Associate Professor of History  
B.A., 1962, The College of Wooster; M.A., 1964, Ph.D., 1970, Stanford University.
- JACK T. BELASCO (1970) ..... Assistant Professor of Education  
B.A., 1941, University of California, Los Angeles; M.S.Ed., 1956, University of Southern California; Graduate Study, Harvard University; Ed.D. candidate, University of California, Los Angeles.
- LOUIS NEWTON BELL (1970) ..... Catalog Librarian  
B.A., 1963, Rice University; M.L.S., 1970, University of California, Los Angeles.
- E. KENNETH BENNETT (1968) ..... Head Acquisitions Librarian  
B.A., 1956, Graduate Study, 1956-57, University of California, Berkeley; M.L.S., 1966, University of California, Los Angeles.
- ANTONIA M. BERCOVICI (1971) ..... Assistant Professor of Psychology  
B.A., 1967, M.A., 1969, University of California, Los Angeles; Graduate Study, Geneva University; Ph.D. 1973, University of California, Los Angeles.

- ROBERT M. BERSI (1966) ..... Dean of Innovative Programs  
and Institutional Development;  
Professor of Education  
A.B., 1958, University of the Pacific; M.A., 1963, Ph.D., 1966, Stanford  
University.
- RICHARD BEYM (1968) ..... Professor of Spanish and Linguistics  
A.B., 1943, A.M., 1948, Ph.D., 1952, University of Illinois.
- MARSHALL H. BIALOSKY (1964) ..... Professor of Fine Arts  
B.Mus., 1949, Syracuse University; M.Mus., 1950, Northwestern Univer-  
sity; Advanced study in Florence, Italy.
- FRANK V. BILLES (1972) ..... Assistant Professor of Economics  
B.A., 1966, M.A., 1969, Ph.D. in progress, University of California, Los  
Angeles.
- WILLIAM R. BLISCHKE (1969) ..... Associate Professor of Sociology  
B.A., 1963, University of California, Riverside; M.A., 1966, Ph.D., 1973,  
University of California, Berkeley.
- MARTIN ROBERT BLYN (1969) ..... Associate Professor of Economics  
and Business Administration  
B.B.A., 1961, College of the City of New York; M.B.A., 1962, Ph.D., 1966,  
New York University.
- ALAN BOMSER (1971) ..... Assistant Professor of Sociology  
B.S., 1941, Brooklyn College; M.A., 1959, California State College, Los  
Angeles.
- STEPHEN A. BOOK (1970) ..... Assistant Professor of Mathematics  
A.B., 1963, Georgetown University; M.A., 1966, Cornell University; Ph.D.,  
1970, University of Oregon.
- JON L. BREEN (1969) ..... Head Reference Librarian  
B.A., 1965, Pepperdine College; M.S.L.S., 1966, University of Southern  
California.
- DAVID E. BREST (1968) ..... Associate Professor of Biological Science  
B.A., 1964, California State College, Los Angeles; Ph.D., 1968, University  
of California, Los Angeles.
- DEXTER EDWARD BRYAN (1971) ..... Assistant Professor of Sociology  
A.B., 1966, M.A., 1969, University of California, Riverside.
- EDITH BUCHANAN (1972) ..... Associate Professor of Education  
B.A., 1956, California State University, Los Angeles; M.A., 1961, Califor-  
nia State University, Northridge; Ed.D., 1970, University of California, Los  
Angeles.
- MARION A. BUCK (1967) ..... Professor of Economics  
A.B., 1930, Harvard University; M.A., 1931, Syracuse University; Ph.D.,  
1953, Harvard University; Emeritus, 1973.
- CLAUDIA BUCKNER (FORIN) (1972) ..... Assistant Professor of English  
B.A., 1967, M.A., 1969, Ph.D., 1972, University of California, Berkeley.

- JOHN J. BULLARO (1968) ..... Professor of English  
B.A., 1950, M.A., 1952, University of Illinois; Ph.D., 1960, University of Wisconsin.
- THOMAS S. BULLOCK (1963) .... Senior Building Program Coordinator;  
Lecturer in Geography  
B.A., 1957, Graduate Study, 1960-63, San Francisco State College.
- RICHARD BUNGER (1970) ..... Associate Professor of Music  
B.Mus., 1964, Oberlin College; M.Mus., 1966, University of Illinois.
- BARBARA A. BURNHAM (1971) ..... Director, Financial Aid  
A.B., 1964, Stanford University.
- DAVID B. CADY (1970) ..... Associate Professor of History  
B.S., 1958, Georgetown University; B.S., 1964, M.A., 1966, Ph.D., 1970, University of Wisconsin.
- CARL CAGAN (1969) ..... Director, Institutional Studies and  
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Associate Professor of Business Administration  
B.A., 1948, New York University; M.S., 1968, Ph.D., 1969, Washington State University.
- ROBERT L. CALATRELLO (1969) ..... Associate Professor of Education  
B.S., 1958, Millikin University; M.A., 1960, Northwestern University; Ed.D., 1966, University of Southern California.
- HANSONIA L. CALDWELL (1972) ..... Assistant Professor of Music  
B.M., 1966, Boston University; M.A., 1969, Ph.D. candidate, University of Southern California.
- DAVID CAMESI (1969) ..... Assistant Professor of Music  
B.S., 1961, Juilliard School of Music; M.A., 1965, Columbia University; Ed.D. candidate, Teachers College, Columbia University.
- MURIEL P. CARRISON (1969) ..... Associate Professor of Education  
B.A., 1948, Hunter College; M.A., 1964, California State College, Long Beach; Ed.D., 1969, University of Southern California.
- SHERMAN M. CARTER (1972) ..... Lecturer in Psychology  
A.B., 1956, A.M., 1960, Fisk University.
- LYMAN G. CHAFFEE (1969) .... Associate Professor of Political Science  
A.B., 1960, Occidental College; M.A., 1965, California State College, Los Angeles; Ph.D., 1969, University of California, Riverside.
- CHI-LUNG CHANG (1969) ..... Associate Professor of Mathematics  
B.A., 1964, University of California, Berkeley; M.A., 1968, Ph.D., 1970, University of California, Los Angeles.
- HAROLD CHARNOFSKY (1966) ..... Professor of Sociology  
B.S., 1953, M.S., 1958, Ph.D., 1968, University of Southern California.
- PAUL A. CHAVIRA (1972) ..... Coaching Assistant  
Physical Education and Recreation  
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- LOIS WONG CHI (1966) ..... Professor of Biological Science  
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- EVELYN TUTT CHILDRESS (1969) ..... Associate Professor of  
Biological Science  
B.S., 1947, Lincoln University; M.S., 1948, M.S., 1956, University of Michigan; Ph.D., 1967, Stanford University.
- PRAVAT K. CHOUDHURY (1972) ..... Assistant Professor of  
Business Administration  
B. Com., 1959, St. Xavier's College, India; LL.B., 1961, Ranchi University, India; M.B.A., 1967, Atlanta University; M.S., 1970, Ph.D. in progress, University of California, Los Angeles.
- ROBERT M. CHRISTIE (1970) ..... Assistant Professor of Sociology  
B.A., 1965, University of California, Santa Barbara; M.A., 1967, Ph.D., 1970, University of Missouri.
- GEORGE N. CLAWSON (1972) ..... Assistant Professor of Business  
Administration  
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- GARY B. COLBOTH (1970) ..... Campus Judicial Coordinator;  
Associate Professor of Political Science  
B.S., 1958, Bradley University; M.P.A., 1960, University of Pittsburgh; J.D., 1966, Northwestern University Law School.
- DALLAS V. COLVIN (1970) .... Assistant Professor of Biological Science  
B.S., 1963, Portland State University; Ph.D., 1970, University of Colorado.
- DORA P. CROUCH (1972) ..... Associate Professor of Art  
B.A., 1965, M.A., 1967, Ph.D., 1969, University of California, Los Angeles.
- JOHN W. CROWE (1972) ..... Relations with Schools Officer;  
Lecturer in Journalism  
B.A., 1969, California State University, Los Angeles.
- JEANNE CURRAN (1972) ..... Assistant Professor of Sociology  
B.A., 1957, Tulane University; M.A., 1966, University of California, Los Angeles; Ph.D., 1971, University of Southern California.
- MICHAEL J. DAUGHERTY (1972) ..... Assistant Professor of Physics  
B.S., 1963, University of California, Los Angeles; Ph.D., 1971, University of California, Riverside.
- ULRICH DE LA CAMP (1966) ..... Associate Professor of Chemistry  
B.S., 1959, University of California, Berkeley; Ph.D., 1966, University of California, Davis.
- PETER DESBERG (1970) ..... Assistant Professor of Education  
B.A., 1965, University of Southern California; M.A., 1966, San Fernando Valley State College; Ph.D., 1969, University of Southern California.

- L. DANETTE DOBYNS (1972) ..... Associate Professor of Chemistry  
B.S., 1958, College of Great Falls; Ph.D., 1964, University of Notre Dame.
- TERENCE L. DOSH (1969) ..... Associate Professor of History  
B.A., 1953, St. John's University; B.D., 1957, St. John's Seminary; M.A.,  
1961, Ph.D., 1971, University of Minnesota.
- CAROLINE R. DUNCAN (1966) ..... Associate Professor of English  
and Linguistics  
B.F.A., 1946, M.A., 1949, University of Georgia; Ph.D., 1969, Florida State  
University.
- ALAN VAN DUSEN EGGERS (1970) ..... Assistant Professor of  
Anthropology  
A.B., 1964, Ph.D. candidate, University of California, Berkeley.
- STEFAN EHRLICH (1970) ..... Assistant Professor Mathematics  
B.S., 1962, City College of New York; M.S., 1969, San Fernando Valley  
State College; M.S., 1970, University of Southern California.
- PATRICIA S. ELIET (1969) ..... Associate Professor of English  
B.A., 1958, Carleton College; M.A., 1960, Oberlin College; Ph.D., 1971,  
University of California, Berkeley.
- DALE E. ELLIOTT (1968) ..... Associate Professor of English  
and Linguistics  
B.S. in Ed., 1962, M.A., 1965, Ph.D., 1971, Ohio State University.
- PETER D. ELLIS (1962) ..... Associate Dean, Admissions,  
Records and Relations with Schools; Associate Professor of Education  
A.B., 1948, Ed.D., 1961, University of California, Los Angeles.
- FRANCES M. EPPS (1970) ..... Professor of Education  
B.S., 1943, Southern University; M.A., 1960, California State College at  
Los Angeles; Graduate Study, University of Southern California.
- ROLAND W. EVES (1969) ..... Assistant Professor of Geography  
B.A., 1962, M.S., 1963, Florida State University; Ph.D. candidate, North-  
western University.
- <sup>1</sup>ARTHUR A. EVETT (1968) ..... Professor of Physics  
B.S., 1948, Ph.D., 1951, Washington State University.
- CHARLES FAY (1966) ..... Professor of Philosophy  
B.S., 1948, M.A., 1950, Ph.D., 1956, St. Louis University.
- MARIANNE FENSTERMACHER (1970) .. Assistant Professor of Physical  
Education and Recreation  
B.S., 1969, University of California, Los Angeles; M.A., 1970, California  
State College, Los Angeles.
- JOANN C. FENTON (1970) ..... Assistant Professor of Anthropology  
B.A., 1959, M.A., 1967, Ph.D. candidate, Northwestern University.
- LOIS J. FEUER (1972) ..... Assistant Professor, The Small College  
B.A., 1967, University of Arizona; M.A., 1968, Ph.D., 1972, University of  
California, Irvine.

<sup>1</sup>On leave

- ROBERT B. FISCHER (1963) ..... Dean, School of Natural Sciences  
and Mathematics; Professor of Chemistry  
B.S., 1942, Wheaton College; Ph.D., 1946, University of Illinois.
- PETER G. FLACHSBART (1973) ..... Assistant Professor of Urban  
and Environmental Management  
B.S.C.E., 1966, Washington University; M.S., 1968, Ph.D., 1971, North-  
western University.
- <sup>1</sup>JOHN K. FOOTE (1966) ..... Associate Professor of Chemistry  
B.S., 1944, University of California, Berkeley; M.A., 1962, University of  
California, Santa Barbara; Ph.D., 1966, University of California, Riverside.
- CHARLES F. FORBES (1970) ..... Associate Professor of Geography  
B.S., 1952, M.S., 1960, Stanford University; Ph.D. 1973, University of Ore-  
gon.
- ELIZABETH ANN FOSTER (1969) ..... Public Services Librarian  
B.A., 1968, University of Redlands; M.S.L.S., 1970, University of Southern  
California.
- DIANE W. FRANKLIN (1972) ..... Assistant Professor of Psychology  
B.A., 1966, Radcliffe College; M.A., 1971, Ph.D. in progress, University of  
Chicago.
- MARILYN GARBER (1967) ..... Associate Professor of History  
B.A., 1957, M.A., 1960, Ph.D., 1967, University of California, Los Angeles.
- EUGENE N. GARCIA (1972) ..... Associate Professor of Chemistry  
and Health Science  
A.B., 1949, Gonzaga University; M.S., 1951, University of San Francisco;  
Ph.D., 1961, University of California, Los Angeles.
- KENNETH B. GASH (1967) ..... Associate Professor of Chemistry  
B.S., 1960, Pratt Institute; Ph.D., 1968, Arizona State University.
- LILA B. GELLER (1969) ..... Associate Professor of English  
B.A., 1952, University of California, Los Angeles; M.A., 1965, San Fer-  
nando Valley State College; Ph.D., 1969, University of California, Los  
Angeles.
- LYLE E. GIBSON (1962) ..... Vice President for Academic Affairs;  
Professor of Geography  
B.E., 1935, Ph.M., 1943, University of Wisconsin; Ph.D., 1947, State Uni-  
versity of Iowa.
- R. DALE GIVENS (1971) ..... Associate Professor of Anthropology  
B.A., 1948, Baylor University; M.A., 1949, University of Texas; Ph.D., 1970,  
University of Kentucky.
- IRENE GODDEN (1972) ..... Head, Bibliographic  
Services (Library)  
B.A., 1968, Brooklyn College; M.L.S., 1970, University of California, Los  
Angeles.

<sup>1</sup> On leave.

- JOHN R. GODERS (1972) ..... Assistant Professor of Art  
B.F.A., 1965, M.F.A., 1967, Otis Art Institute.
- HYMEN C. GOLDMAN (1967) ..... Director, Personal Counseling;  
Professor of Education  
A.A., 1940, Herzl Junior College; B.A., 1942, Central YMCA College; B.S.,  
1947, Roosevelt University; M.A., 1948, Ed.D., 1962, University of South-  
ern California.
- PAUL A. GOPAUL (1971) ..... Professor of History  
B.A., 1948, M.A., 1953, St. Michael's College; Ph.D., 1958, University of  
Ottawa; Ph.D., 1967, University of New Mexico.
- WILLIAM E. GOULD (1969) ..... Associate Professor of Mathematics  
B.A., 1956, M.S., 1958, Rutgers University; M.A., 1964, Ph.D., 1966, Prince-  
ton University.
- JUDITH V. GRABINER (1972) ..... Assistant Professor,  
The Small College  
B.S., 1960, University of Chicago; M.A., 1962, Radcliffe College; Ph.D.,  
1966, Harvard University.
- LISA GRAY-SHELLBERG (1967) ..... Associate Professor of Psychology  
B.A., 1961, Occidental College; M.A., 1966, Ph.D., 1970, Claremont Gradu-  
ate School.
- JUDSON A. GRENIER (1966) ..... Professor of History  
B.A., 1951, University of Minnesota; M.J., 1952, University of California,  
Berkeley; Ph.D., 1965, University of California, Los Angeles.
- LINDA J. GROFF (1972) ..... Assistant Professor of  
Political Science  
B.A., 1962, University of Michigan; M.A., 1963, M.A.L.D., 1966, Ph.D.  
candidate, Fletcher School of Law and Diplomacy.
- CURTIS L. GRONINGA (1969) ..... Director of Extension  
B.A., 1967, California State College, Long Beach; M.P.A., 1971, University  
of Southern California.
- ROSS M. GROSSMAN (1970) ..... Associate Professor of Philosophy  
B.A., 1964, M.A., 1966, University of Illinois; Ph.D., 1971, University of  
Wisconsin.
- DRU ANN GUTIERREZ (1970) ..... Assistant Professor of Education  
B.A., 1949, Pepperdine College; M.S., 1958, University of Southern Cali-  
fornia.
- HUMBERTO J. GUTIERREZ (1972) ..... Assistant Professor,  
The Small College  
B.A., 1966, University of Texas; M.A., 1971, California State University,  
Northridge.
- WILLIAM M. HAGAN (1967) ..... Director of Program  
Development; Associate Professor of Philosophy  
A.B., 1948, University of Santa Clara; M.A., 1950, Gonzaga University;  
S.T.L., 1957, Faculte de Theologie, Enghien, Belgium; S.T.D., 1960,  
Georgetown University.

<sup>1</sup>On leave Fall, 1973

- JAMES G. HARRIS (1969) ..... Associate Professor of Economics  
B.S., 1964, Idaho State University; M.A., 1967, Ph.D., 1970, University of Oregon.
- ARTHUR L. HARSHMAN (1971) ..... Assistant Professor of Art  
B.A., 1964, Antioch College; M.A., 1964, Michigan State University; M.A., 1968, Ph.D. candidate, University of Chicago.
- GARRY D. HART (1970) ..... Assistant Professor of Mathematics  
B.A., 1966, University of California, Riverside; M.A., 1968, University of Oregon; Ph.D., 1970, Kansas State University.
- DONALD TERUO HATA, JR. (1970) ..... Associate Professor of History  
B.A., 1962, M.A., 1964, Ph.D., 1970, University of Southern California.
- JACK HAZELRIGG (1972) ..... Assistant Professor  
The Small College  
B.S., 1966, M.A., 1969, California State University, Long Beach; Ph.D., 1973, University of California, Riverside
- GEORGE MARTIN HENEGHAN (1967) ..... Director of Instruction,  
The Small College; Professor of Political Science  
A.B., 1956, M.A., 1957, Columbia University; Ph.D., 1970, Stanford University.
- DIANE HENSCHER (1971) ..... Assistant Professor of Psychology  
B.A., 1966, Queens College; Ph.D., 1970, University of California, Berkeley.
- \*WINSTON R. HEWITT (1966) ..... Professor of French  
B.A., 1948, University of Minnesota; Diploma, 1949, University of Stockholm; 1950, 1953 and 1955, University of Paris; M.A., 1952, University of Minnesota; Ph.D., 1963, University of California, Los Angeles.
- NANCY CARO HOLLANDER (1972) ..... Assistant Professor of History  
B.A., 1966, M.A., 1968, Ph.D. candidate, University of California, Los Angeles.
- EMORY H. HOLMES (1972) ..... Associate Professor,  
The Small College  
B.A., 1954, Tennessee State College; Ed.D., 1972, University of California, Los Angeles.
- HOWARD R. HOLTER (1970) ..... Associate Professor of History  
B.A., 1962, Northwestern University; M.A., 1963, Ph.D., 1967, University of Wisconsin.
- FUMIKO HOSOKAWA (1972) ..... Assistant Professor,  
The Small College  
B.A., 1969, California State University, Long Beach; M.A., 1971, University of California, Los Angeles.
- RICHARD B. HOVARD (1971) ..... Assistant Professor of Sociology  
B.A., 1966, University of California, Santa Barbara; M.A., 1969, Ph.D. candidate, University of Missouri.

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- CHI-HUA WU HSIUNG (1972) ..... Associate Professor,  
The Small College  
B.S., 1954, National Taiwan University; M.S., 1957, Ph.D., 1962, University  
of Michigan.
- DAVID J. HUDSON, JR. (1966) .... Coordinator of Audio Visual Services;  
Lecturer in Geography and Education  
B.S., 1953, M.S., 1961, University of Southern California.
- JOHN A. HYLTON (1972) ..... Associate Professor of Education  
B.A., 1964, M.A., 1967, Ph.D., 1969, Arizona State University.
- JAMES S. IMAI (1970) ..... Associate Professor of Physics  
B.A., 1962, University of California, Los Angeles; M.S., 1963, San Diego  
State College; Ph.D., 1969, University of California, Los Angeles.
- LOUISE HARRIS IVERS (1971) ..... Assistant Professor of Art  
B.F.A., 1964, Boston University; M.A., 1967, Ph.D. candidate, University  
of New Mexico.
- G. JOYCE JOHNSON (1972) ..... Instructor in English  
B.A., 1970, M.A., 1972, California State College, Dominguez Hills.
- JOHN L. JOHNSON (1968) ..... Professor of Physical Education  
and Recreation  
A.B. 1947, M.Ed., 1962, Ed.D., 1964, University of California, Los Angeles.
- ROBERT B. JOHNSON (1972) ..... Associate Professor of Geography  
A.B., 1942, Washington University; M.A., 1949, Ph.D., 1960, Harvard Uni-  
versity.
- WILLIAM B. JONES (1970) ..... Associate Professor of Mathematics  
B.A., 1960, Yale University; A.M., 1961, Ph.D., 1965, Harvard University.
- VIOLET L. JORDAIN (1968) ..... Associate Professor of English  
B.A., 1961, M.A., 1965, Ph.D., 1968, University of California, Los Angeles.
- HAROLD KAGAN (1972) ..... Assistant Professor of Anthropology  
B.A., 1969, San Francisco State College; Ph.D., 1973, University of Cali-  
fornia, Riverside.
- GENE A. KALLAND (1966) ..... Associate Professor of Biological Science  
B.A., 1962, San Fernando Valley State College; Ph.D., 1966, Indiana Uni-  
versity.
- EDWIN C. KAMPMAN (1973) ..... Assistant Professor of Urban  
and Environmental Management  
B.S., 1965, Massachusetts Institute of Technology; M.C.P., 1972, Ph.D.  
candidate, University of California, Berkeley.
- JAY B. KAPLAN (1971) ..... Assistant Professor of Political Science  
B.A., 1966, University of Southern California; M.A., 1968, Ph.D., 1971,  
Claremont Graduate School.
- ABRAHAM KIDANE (1971) ..... Associate Professor of Economics  
and Urban-Environmental Management  
B.A., 1962, Haile Selassie University; Diploma, 1963, International Gradu-  
ate School, Stockholm; M.S.Sc., 1967, University of Stockholm; Ph.D.,  
1971, University of California, Los Angeles.

- JACK F. KILFOIL (1968) ..... Associate Professor of History  
B.A., 1962, University of California, Berkeley; M.A., 1965, University of Michigan; Ph.D., 1969, Claremont Graduate School.
- RICHARD T. KURAMOTO (1970) ..... Associate Professor of  
Biological Science  
B.A., 1963, University of Hawaii; M.S., 1965, University of British Columbia; Ph.D., 1968, University of Illinois.
- KENNETH L. KUYKENDALL (1969) ..... Assistant Professor of  
Anthropology  
B.A., 1962, San Francisco State College; M.A., 1966, Ph.D., 1972, University of Colorado.
- JOHN J. LACORTE (1972) ..... Assistant Professor of Philosophy  
B.A., 1966, Loyola University; M.A., 1969, Ph.D., 1970, University of Southern California.
- LAWRENCE L. LARMORE (1970) ..... Associate Professor of Mathematics  
B.S., 1961, Tulane University; Ph.D., 1965, Northwestern University.
- RUTH LARSON (1968) ..... Professor of Education  
B.S., 1943, Parsons College; M.S., 1954, University of Tennessee; Ph.D., 1964, Ohio State University.
- MARVIN LASER (1965) ..... Dean, School of Humanities and Fine Arts;  
Professor of English  
Ph.B., 1935, M.A., 1937, University of Chicago; Ph.D., 1948, Northwestern University.
- FRANCES LAUERHASS (1969) ..... Associate Professor  
of Foreign Languages  
B.A., 1956, Wellesley College; M.A., 1957, University of North Carolina; Ph.D., 1972, University of California, Los Angeles.
- F. DONALD LAWS (1968) ..... Professor of Sociology  
B.A., 1953, Hobart College; M.A., 1956, Ph.D., 1962, University of Maryland.
- C. W. LEE (1971) ..... Assistant Professor of Business Administration  
A.B., 1955, University of California, Berkeley; M.B.A., 1960, Harvard University; Ph.D. in progress, University of Southern California.
- H. KEITH LEE (1969) ..... Associate Professor of Physics  
B.S., 1960, Michigan State University; M.S., 1961, University of Wisconsin; Ph.D., 1966, Michigan State University.
- YVONE V. LENARD (1968) ..... Professor of French  
Baccalauréat Philosophie, Faculté des Lettres de Montpellier (France) 1939; Certificat de Licence en Droit, Faculté de Bordeaux (France) 1942; B.A., 1954, M.A., 1956, University of California, Los Angeles.
- DONALD F. LEWIS (1970) ..... Associate Professor of Philosophy  
B.A., 1964, M.A., 1965, University of Toledo; Ph.D., 1970, Southern Illinois University.

- JAMES F. LIOTTA (1972) ..... Assistant Professor of Philosophy  
B.S., 1965, Muskingum College; M.A., 1969, Ph.D., 1972, Southern Illinois University.
- HERMAN LOETHER (1967) ..... Professor of Sociology  
B.A., 1951, California State College, Los Angeles; M.A., 1953, Ph.D., 1955, University of Washington.
- CAROL GUZE LYDON (1967) ..... Associate Professor of  
Biological Science  
A.B., 1957, Washington University; Ph.D., 1963, University of California, Berkeley.
- JANIE MachARG (1969) ..... Director, Career Counseling  
and Placement  
B.A., 1967, Scripps College; M.A., 1969, Columbia University; Ph.D. in progress, University of Southern California.
- DONALD A. MACPHEE (1964) ..... Dean, School of Social and  
Behavioral Sciences; Professor of History  
A.B., 1950, Seattle Pacific College; M.A., 1952, Ph.D., 1959, University of California, Berkeley.
- C. MICHAEL MAHON (1968) ..... Associate Professor of English  
B.A., 1952, University of California, Santa Barbara; M.A., 1956, Columbia University; Ph.D., 1966, University of California, Santa Barbara.
- JERRY E. MANDEL (1972) ..... Associate Professor  
of Behavioral Sciences  
B.A., 1962, M.A., 1965, California State University, Long Beach; Ph.D., 1968, Purdue University.
- HAL MARIENTHAL (1966) ..... Associate Professor of English  
B.A., 1947, M.A., 1948, Northwestern University; Ph.D., 1966, University of Southern California.
- SOLOMON MARMOR (1966) ..... Professor of Chemistry  
B.S., 1948, The City College of New York; Ph.D., 1952, Syracuse University.
- GEORGE D. MARSH (1970) ..... Associate Professor of Psychology  
B.A., 1957, M.A., 1960, California State College, Los Angeles; Ph.D., 1965, University of California, Berkeley.
- WAYNE R. MARTIN (1971) ..... Assistant Professor of Political Science  
A.B., 1964, California State College, Long Beach; M.A., 1967, Ph.D., 1970, University of Southern California.
- GORDON MATTHEWS (1968) ..... Professor of Mathematics  
B.A., 1939, M.A., 1955, Ph.D., 1959, University of California, Los Angeles.
- WILLIAM J. McCOY (1972) ..... Assistant Professor of Sociology  
B.S., 1968, California State College, Hayward; M.A., 1970, Andrews University; Ph.D. candidate, University of California, Los Angeles.

- JOHN W. McCURTIS (1970) ..... Assistant Professor of Sociology  
B.S., 1958, Southern Illinois University; M.A., 1969, State University of  
New York, Buffalo.
- IRENE McKENNA (1972) ..... Instructor in English  
B.A., 1960, M.A., 1973, University of California, Los Angeles.
- FRANK B. MILES (1972) ..... Assistant Professor of Mathematics  
B.S., 1961, University of Illinois; Ph.D., 1965, University of California,  
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- M. MILO MILFS (1962) ..... Dean, School of Education;  
Professor of Education and Psychology  
B.S., 1949, M.A., 1951, University of New Mexico; Ed.D., 1957, University  
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- HERBERT MILGRIM (1972) ..... Associate Professor of Business  
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B.B.A., 1956, M.B.A., 1963, Baruch School, City University, New York;  
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- ALBA MOESSER (1968) ..... Associate Professor of Spanish  
B.A., 1961, California State College, Long Beach; M.A., 1963, University  
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- BURCKHARD MOHR (1970) ..... Assistant Professor  
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B.A., 1967, Ph.D. candidate, University of California, Berkeley.
- ADOLFO M. MONSANTO (1966) ..... Professor of Spanish  
Maestro, 1947, Doctor en Letras y en Ciencias de la Educacion, 1949,  
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- DAVID MORAFKA (1972) ..... Assistant Professor  
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B.A., 1967, University of California, Berkeley; Ph.D. in progress, Univer-  
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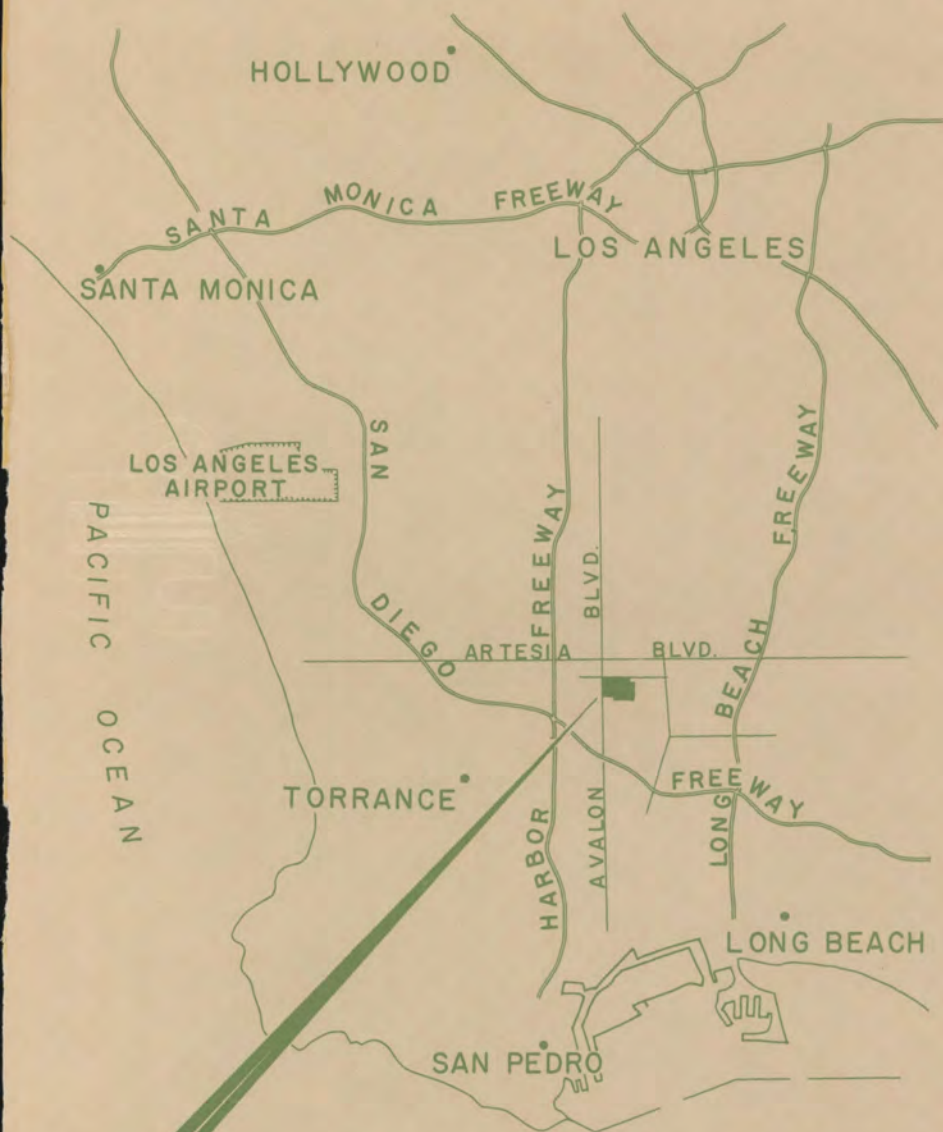
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