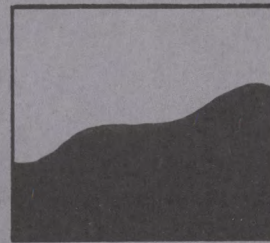
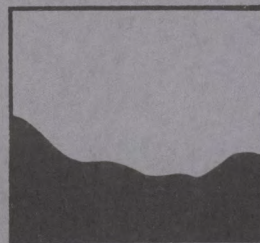
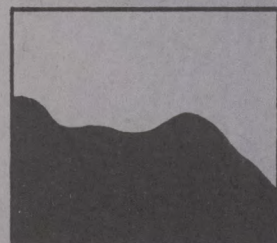
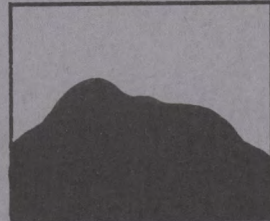
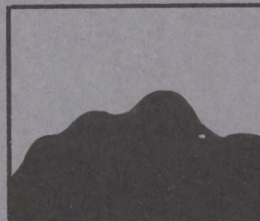
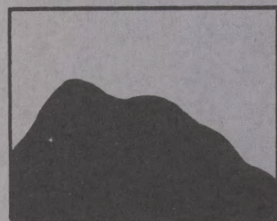
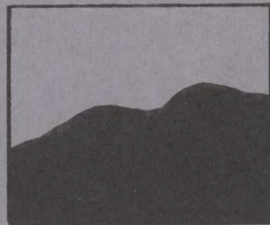
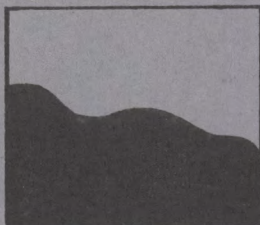
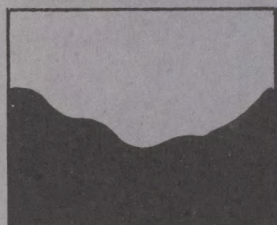
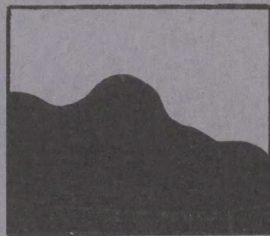
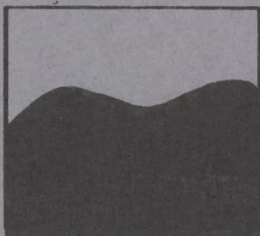
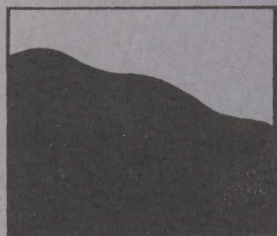


CALIFORNIA STATE  
COLLEGE  
DOMINGUEZ HILLS

CATALOG 1969 - 1970

COMPLIMENTARY COPY



*Address all inquiries to:*

Office of Admissions  
California State College, Dominguez Hills  
1000 East Victoria  
Dominguez Hills, California 90247

**Catalog Price: One Dollar, plus  
tax and postage**

CALIFORNIA STATE  
COLLEGE  
DOMINGUEZ HILLS

CATALOG 1969 - 1970

CALIFORNIA STATE  
COLLEGE  
MONTAGUE HILLS

CATALOG 1962-1970

## TABLE OF CONTENTS

Academic Calendar 1969-70	6
Trustees of the California State Colleges	8
The California State Colleges	10
Advisory Board and College Administration	13
THE COLLEGE	
The College	17
History	17
Accreditation	17
Educational Resources Center	18
Research and Data Processing Services	18
International Programs	19
Student Activities and Services	20
Student Government	20
Physical Education and the Athletic Program	20
Counseling Center	21
Student Health	23
Student Housing	23
Standards for Student Conduct	24
The Academic Program	25
The Basic Studies Program	25
Major with Dual Fields of Concentration	27
Graduate Programs	28
The School of Humanities and Fine Arts	29
The School of Natural Sciences and Mathematics	31
The School of Social and Behavioral Sciences	33
MAJOR FIELDS OF CONCENTRATION AND COURSE OFFERINGS	
Afro-American Studies	37
American Business and Economic Systems	39
American Studies	41
Anthropology	42
Art	44
Behavioral Sciences	48
Biological Science	52
Chemistry	55

Chinese	59
Earth and Space Sciences	60
East Asian Studies	61
Economics	62
Education	65
English	69
The Foundations of Natural Science	76
French	77
Geography	79
German	82
Health and Physical Education	83
History	84
Information Systems	88
Latin American Studies	89
Linguistics	90
Mathematics	92
Music	96
Philosophy	99
Physics	101
Political Science	104
Psychology	107
Sociology	112
Spanish	115
Theater Arts	118
Twentieth Century Thought and Expression	119
Urban Studies and Environmental Design	120

#### ADMISSION TO THE COLLEGE, ADVISEMENT, AND REGISTRATION

Admission to the College	125
Admission as an Undergraduate	127
Application for Admission	129
Admission to Teacher Education Programs	132
Graduate Admission	133
Academic Advisement and Registration	135
Advisement	135
Registration	136
Schedule of Registration Fees	138
College Requirements for the Bachelor's Degree	140
Courses	140

Scholarship	140
General Education	140
American History and Institutions	141
Upper Division	141
Application for Graduation	142
College Requirements for the Master's Degree	143
General Regulations	145
Student Responsibility	145
Scholastic Policies	145
Transcripts of Record	148
Selective Service	148
<b>FACULTY AND ADMINISTRATION OF THE COLLEGE</b>	<b>151</b>

# ACADEMIC CALENDAR 1969-70

## FALL QUARTER 1969

September 15, Monday	First day to file application for admission or readmission for the Winter Quarter 1970.
September 15, Monday	Testing for freshmen; orientation, academic advisement, and registration for transfer students.
September 16, Tuesday	Orientation, academic advisement, and registration for freshmen.
September 22, Monday	Classes begin.
September 26, Friday	Last day to add classes.
October 6, Monday	Last day for refund of Materials and Service Fee.
October 17, Friday	Last day to drop classes without academic penalty; last day for refund of Non-Resident Tuition Fee.
October 27, Monday- November 7, Friday	Registration materials available for continuing students.
October 28, Tuesday- October 31, Friday	Academic advisement for continuing students.
November 3, Monday	First day to file for admission or readmission for the Spring Quarter 1970.
November 3, Monday- November 14, Friday	Registration-by-mail period for continuing students.
November 27, Thursday- November 30, Sunday	Thanksgiving recess.
December 5, Friday	Last day of classes.
December 8, Monday- December 10, Wednesday	Final examinations.
December 11, Thursday- January 1, Thursday	Christmas recess.

## WINTER QUARTER 1970

December, 29, Monday	Orientation and academic advisement for transfer students.
December 30, Tuesday	Registration for first-time freshmen and continuing students.
January 2, Friday	First day to file application for admission or readmission for the Fall Quarter 1970.
January 5, Monday	Classes begin.
January 9, Friday	Last day to add classes.



January 16, Friday.....	Last day for refund of Materials and Service Fee.
January 30, Friday.....	Last day to drop classes without academic penalty; last day for refund of Non-Resident Tuition Fee.
February 9, Monday- February 20, Friday.....	Registration materials available for continuing students.
February 10, Tuesday- February 13, Friday.....	Academic advisement for continuing students.
February 16, Monday- February 27, Friday.....	Registration-by-mail period for continuing students.
March 12, Thursday.....	Last day of classes.
March 13, 16, 17, Friday, Monday, Tuesday.....	Final examinations.
March 18, Wednesday- March 23, Monday.....	Academic recess.

#### SPRING QUARTER 1970

March 24, Tuesday.....	Orientation and academic advisement for new students; registration and payment of fees for all students.
March 26, Thursday.....	Classes begin.
April 1, Wednesday.....	Last day to add classes.
April 3, Friday.....	Good Friday—Academic Holiday.
April 8, Wednesday.....	Last day for refund of Materials and Service Fee.
April 22, Wednesday.....	Last day to drop classes without academic penalty.
April 24, Friday.....	Last day for refund of Non-Resident Tuition Fee.
May 14, Thursday- May 25, Monday.....	Registration materials available for continuing students.
May 19, Tuesday- May 22, Friday.....	Academic advisement for continuing students.
May 25, Monday- July 15, Wednesday.....	Registration-by-mail period for continuing students.
May 29, Friday.....	Memorial Day—All-College Holiday.
June 8, Monday.....	Last day of classes.
June 10, Wednesday- June 12, Friday.....	Final examinations.
June 13, Saturday.....	Commencement.

# TRUSTEES OF THE CALIFORNIA STATE COLLEGES

## EX OFFICIO TRUSTEES

- Ronald Reagan, B.A. State Capitol, Sacramento 95814  
*Governor of California and President of the Trustees*
- Ed Reinecke, B.S. State Capitol, Sacramento 95814  
*Lieutenant Governor of California*
- Robert T. Monagan, B.A. State Capitol, Sacramento 95814  
*Speaker of the Assembly*
- Max Rafferty, A.B., M.A., Ed.D. 721 Capitol Mall, Sacramento 95814  
*State Superintendent of Public Instruction*
- Glenn S. Dumke, A.B., M.A., Ph.D., LL.D.,  
L.H.D. 5670 Wilshire Boulevard, Los Angeles 90036  
*Chancellor of the California State Colleges*

## APPOINTED TRUSTEES

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

Charles Luckman, LL.D., A.F.D. (1974)  
9220 Sunset Boulevard, Los Angeles 90069

Theodore Meriam, A.B. (1971)  
P.O. Box 370, Chico 95927

Albert J. Ruffo, LL.B., B.S. in E.E. (1971)  
675 North First Street, Suite 1200, San Jose 95112

Mrs. Philip Conley, B.A. (1972)  
3729 Huntington Boulevard, Fresno 93702

E. Guy Warren, B.A. (1973)  
P.O. Box 59, Hayward 94541

Daniel H. Ridder, B.A. (1975)  
604 Pine Street, Long Beach 90801

George D. Hart, A.B. (1975)  
111 Sutter Street, San Francisco 94104

James F. Thacher, A.B., LL.B. (1970)  
310 Sansome Street, San Francisco 94104

Alec L. Cory, B.A., LL.B. (1973)  
1900 First National Bank Building, San Diego 92101

William A. Norris, B.A., LL.B. (1972)  
609 South Grand, Los Angeles 90017

Edward O. Lee, B.A. (1974)  
595 16 Street, Oakland 94612

Earle M. Jorgensen (1970)  
10650 South Alameda, Los Angeles 90054

Dudley Swim, A.B., M.A. (1976)  
P.O. Box 1590, Monterey 93940

Karl L. Wente, M.S. (1976)  
5565 Tesla Road, Livermore 94550

E. Litton Bivans (1977)  
2431 Dallas Street, Los Angeles 90031

W. O. Weissich, B.S., LL.B. (1977)  
1299 Fourth Street, San Rafael 94901

#### OFFICERS OF THE TRUSTEES

Governor Ronald Reagan  
*President*

Daniel Ridder  
*Vice-Chairman*

Theodore Meriam  
*Chairman*

Chancellor Glenn S. Dumke  
*Secretary-Treasurer*

#### OFFICE OF THE CHANCELLOR THE CALIFORNIA STATE COLLEGES

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

Glenn S. Dumke

Chancellor

Raymond A. Rydell

Executive Vice Chancellor

Russell G. Whitesel

Vice Chancellor, Academic Affairs

Harry E. Brakebill

Vice Chancellor, Business Affairs

C. Mansel Keene

Assistant Chancellor, Faculty and Staff Affairs

## THE CALIFORNIA STATE COLLEGES

- California State College, Dominguez Hills  
1000 East Victoria Street, Dominguez Hills, California 90247  
Leo F. Cain, *President* 213 532-4300
- California State College, Fullerton  
800 North State College Boulevard, Fullerton, California 92631  
William B. Langsdorf, *President* 714 870-2011
- California State College, Hayward  
25800 Hillary Street, Hayward, California 94542  
Ellis E. McCune, *Interim President* 415 538-8000
- California State College, Long Beach  
6101 East Seventh Street, Long Beach, California 90804  
Carl W. McIntosh, *President* 213 433-0951
- California State College, Los Angeles  
5151 State College Drive, Los Angeles, California 90032  
John A. Greenlee, *President* 213 224-2011
- California State College, San Bernardino  
5500 State College Parkway, San Bernardino, California 92407  
John M. Pfau, *President* 714 887-6311
- California State Polytechnic College, Kellogg-Voorhis  
3801 West Temple Avenue, Pomona, California 91766  
Robert C. Kramer, *President* 714 964-6424
- California State Polytechnic College, San Luis Obispo  
San Luis Obispo, California 93401  
Robert E. Kennedy, *President* 805 546-0111
- Chico State College  
1st and Normal Streets, Chico, California 95926  
Robert E. Hill, *President* 916 343-4411

Fresno State College	
Shaw and Cedar Avenues, Fresno, California 93726	
Frederic W. Ness, <i>President</i>	209 487-9011
Humboldt State College	
Arcata, California 95521	
Cornelius H. Siemens, <i>President</i>	707 822-1771
Sacramento State College	
6000 Jay Street, Sacramento, California 95819	
Robert Johns, <i>President</i>	916 454-6011
San Diego State College	
5402 College Avenue, San Diego, California 92115	
Malcolm A. Love, <i>President</i>	714 286-5000
San Fernando Valley State College	
18111 Nordhoff Street, Northridge, California 91324	
James W. Cleary, <i>President</i>	213 349-1200
San Francisco State College	
1600 Holloway Avenue, San Francisco, California 94132	
S. I. Hayakawa, <i>Acting President</i>	415 469-9123
San Jose State College	
125 South Seventh Street, San Jose, California 95114	
Robert D. Clark, <i>President</i>	408 294-6414
Sonoma State College	
1801 East Cotati Avenue, Rohnert Park (Cotati), California 94928	
Ambrose R. Nichols, <i>President</i>	707 795-2011
Stanislaus State College	
800 Monte Vista Avenue, Turlock, California 95380	
Alexander Capurso, <i>President</i>	209 634-9101
California State College, Bakersfield	
615 California Avenue, Bakersfield, California 93304	
Paul F. Romberg, <i>President</i>	805 327-9101

## THE CALIFORNIA STATE COLLEGES

The 19 campuses of the California State Colleges, spanning the state from Humboldt County in the north to San Diego in the south, represent the largest system of public higher education in the Western Hemisphere and one of the largest in the world. Current enrollment exceeds 212,000 full-time and part-time students. The faculty and administrative staff number approximately 10,000.

Each college in this system, with a geographic and curricular character of its own, offers a basic program in the liberal arts. Course offerings leading to the bachelor's and master's degree and a limited number of joint doctoral degrees are designed to satisfy existing student interests while serving the educational and professional requirements of the state.

The California State Colleges are dedicated to rigorous academic standards. The primary faculty responsibility is the instructional process, with recognition of the necessary role of research in institutions of higher education.

Responsibility for the California State Colleges is vested in the Board of Trustees, appointed by the Governor, and its administrative officer, the Chancellor. The Trustees and the Chancellor set broad policy for the colleges while delegating responsibility for implementation to the colleges. A statewide Academic Senate, made up of representatives elected by the faculty at each college, recommends academic policy to the Board of Trustees through the Chancellor.

While the oldest of the colleges, San Jose State College, was founded over a century ago, the California State College system under an independent Board of Trustees was created by the Donahoe Act of 1960.

The California State Colleges are now in a dynamic period of development. Prior to World War II there were seven State Colleges with a peak total enrollment of 13,000. Since 1947, twelve new colleges have been established and sites have been selected for new campuses in Ventura, San Mateo, and Contra Costa counties. Enrollment in the system is expected to reach 300,000 by 1980.

# CALIFORNIA STATE COLLEGE, DOMINQUEZ HILLS

## ADVISORY BOARD

Donald P. Loker, Chairman

Mrs. Kenneth E. Watts, Vice Chairman

James E. Bayer, Carson  
James P. Bradley, Hollywood  
Paul F. Gilmore, Jr., Rolling Hills  
Estates

James A. Gordon, Jr., Los Angeles  
Ken Nakaoka, Gardena  
Douglas T. Robertson, Hawthorne  
Samuel C. Stewart, Redondo Beach

## COLLEGE ADMINISTRATION

President..... Leo F. Cain  
Assistant to the President and  
Director of Summer Session and Extension..... Robert M. Bersi  
Administrative Assistant to the President..... Mary R. McFall  
Secretary to the President..... Pearl S. Dixon

### Academic Affairs

Vice President for Academic Affairs..... Lyle E. Gibson  
Administrative Assistant to Vice President..... Gary H. Garlick  
Dean, School of Humanities and Fine Arts..... Marvin Laser  
Chairman, Department of Fine Arts..... Marshall H. Bialosky  
Chairman, Department of English..... Abe C. Ravitz  
Coordinator, Foreign Languages..... Winston R. Hewitt  
Dean, School of Natural Sciences and Mathematics..... Robert B. Fischer  
Chairman, Department of Biological Science..... Harbans L. Arora  
Chairman, Department of Chemistry..... Solomon Marmor  
Chairman, Department of Health and Physical Education..... John L. Johnson  
Chairman, Department of Mathematics..... Norman H. Wiegmann  
Chairman, Department of Physics..... Arthur A. Evett  
Dean, School of Social and Behavioral Sciences..... Donald A. MacPhee  
Chairman, Department of History..... Judson A. Grenier  
Coordinator, Departments of Anthropology,  
Psychology, and Sociology..... Herman Loether  
Director, Teacher Education Programs..... Ruth A. Martinson  
Coordinator, Basic Studies Program..... Abe C. Ravitz  
Coordinator, Interdepartmental Programs..... Solomon Marmor

### Business Affairs

Business Manager..... Robert J. Murray  
Administrative Assistant to Business Manager..... Sidney Goldstein  
Accounting Officer..... Edwin E. Ogren  
Business Service Officer..... Rudolph E. Pliska  
Personnel Officer  
Chief of Plant Operations..... Peter S. Ely

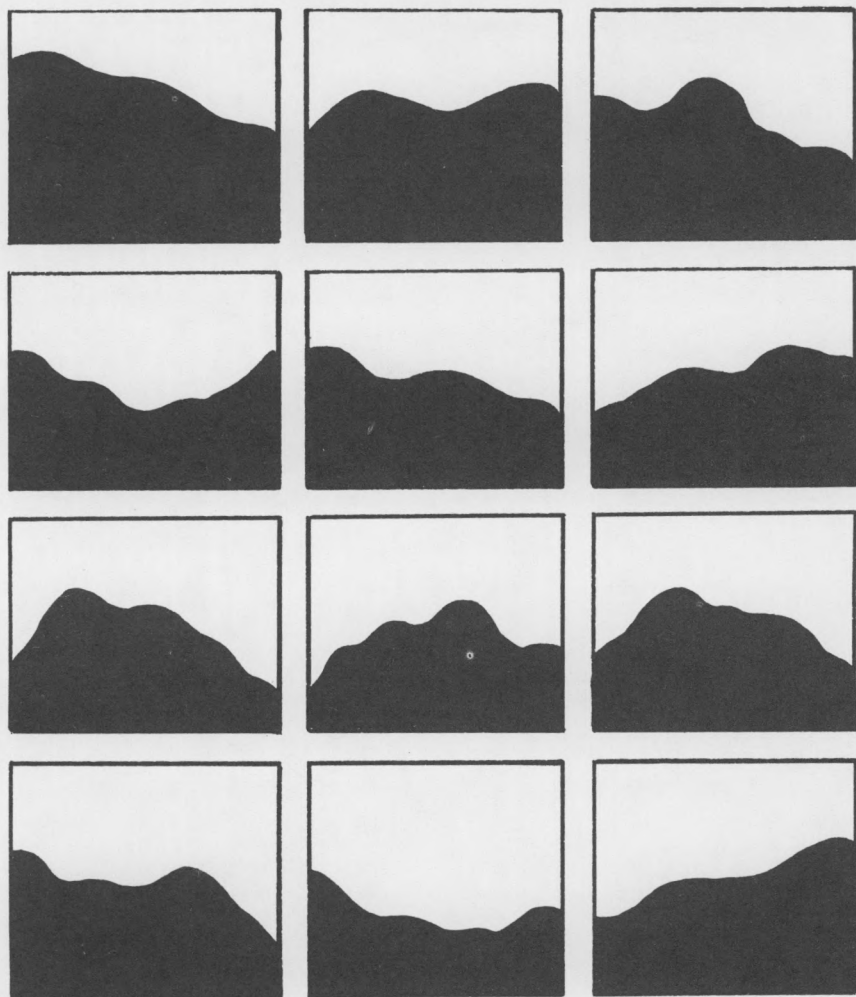
### College Services and Facilities Planning

Dean of College Services and Facilities Planning.....	Harry A. Nethery
Senior Building Program Coordinator.....	Thomas S. Bullock
Building Program Coordinator.....	Curtis L. Groninga
Director, Research and Institutional Studies.....	J. Donald Mild
Acting College Librarian and Head of Technical Processing.....	Bela Gallo
Librarian, Head of Public Services.....	Sally A. Gogin
Librarian, Acquisitions.....	E. Kenneth Bennett
Librarian, Cataloging.....	Helen J. Jones
Librarian, Bibliographic Services.....	Juanita W. Portis
Librarian, Public Services.....	Diane B. Olefsky
Coordinator, Audio Visual Services.....	David J. Hudson, Jr.

### Student Affairs

Dean of Student Affairs.....	M. Milo Milfs
Administrative Aide to Dean of Student Affairs.....	Miriam Stuart
Psychiatric Consultant to Student Affairs.....	Hiawatha Harris
Associate Dean, Admissions, Records, and Relations with Schools.....	Peter D. Ellis
Registrar.....	Larry D. McClelland
Director, Counseling, Placement and Financial Aids.....	Quentin C. Stodola
Coordinator, Counseling.....	Hymen C. Goldman
Coordinator, Placement and Financial Aids.....	Willie O. Jones
Director, Educational Opportunity Programs.....	John Smith
Director, Student Activities and College Cultural Program.....	William M. Hagan
Director, Health Services.....	Elsie Giorgi
Physician.....	Clark H. Cottrell
Nurse.....	Charmaine Thruston





THE COLLEGE

## 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 José Domínguez 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 in later work, particularly at the graduate level. 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, the Audio-Visual Services, and the Curriculum Materials Center into one basic unit. In this way, the total informational needs of the college community are met by one integrated service, using specialists in each area who are prepared to assist students in attaining their educational goals.

The College Library, at present, consists of more than 60,000 volumes, more than 700 current periodical subscriptions, and a collection of bound periodicals and microfilm.

Audio-Visual Services has over 300 films, 750 recordings, and 6,500 slides. In addition, many other films may be rented or previewed by arrangement.

The Curriculum Materials Center, designed to support the Teacher Education Programs, comprises State textbooks, supplementary texts, curriculum guides, media kits, and similar material.

## RESEARCH AND DATA PROCESSING SERVICES

The office of Research and Institutional Studies 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 California State College Data Center located in the Los Angeles metropolitan area and through the purchase of time on commercially available computers located nearby. The installation of a high-speed teleprocessing terminal to effect data communication between the college and the site of the computers being used is now being planned. In addition, limited amounts of computing services in time-shared (or conversational) mode are available through teletypewriter units installed at the college.

## INTERNATIONAL PROGRAMS

The California State Colleges offer academic year programs of study at a number of distinguished universities abroad. For 1969-70 the cooperating universities are: University of Aix-Marseille, France; Free University of Berlin and University of Heidelberg, Germany; The Hebrew University of Jerusalem and Tel Aviv University, Israel; University of Florence, Italy; Waseda University, Tokyo, Japan; University of Granada and University of Madrid, Spain; University of Stockholm and University of Uppsala, Sweden; National University, Taiwan. Academic work successfully completed at the cooperating universities abroad may be applied toward the degree requirements of the college in accordance with college regulations.

A selection among applicants from all California State Colleges is made on the basis of academic, linguistic and personal qualifications. The criteria are:

- a. Upper division or graduate standing by the beginning of the academic year abroad;
- b. Academic achievement;
- c. Proficiency in the language of instruction;
- d. Faculty recommendations.

Cost to the student includes round trip transportation from San Francisco to the host university, room and board for the academic year, and medical insurance. In 1969-70 these costs are: France, Germany, Spain, \$2,300; Italy, Japan, Sweden, \$2,500; Israel, Taiwan, \$2,000. Payments may be scheduled throughout the year.

Programs in Israel, Italy, Japan, Sweden and Taiwan do not require previous linguistic preparation; applicants for all other programs must demonstrate adequate facility in the language of instruction at the host university.

Application for the 1970-71 academic year should be made early in the fall semester of 1969. Detailed information may be obtained at the office of the Dean of Students, California State College, Dominguez Hills, or by writing to the Office of International Programs, The California State Colleges, 1600 Holloway Avenue, San Francisco, California 94132.

## 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 ACTIVITIES

Student activities are coordinated by the Director of Student Activities and College Cultural Program and staff. Student government, organizations, publications, a recreational sports program, and all student association programs, movements and activities are open to all students. Further, all areas except elective office are open to all members of the college community. More detailed information about college and Student Association policies in these areas as well as opportunities and specific details may be found in the Student Handbook, the Recreational Sports Handbook, and in the Activities Office and the Student Association Offices.

#### *Student Government*

The Student Association of the California State College, Dominguez Hills, has been organized, and a constitution and by-laws for this association serve as a framework for student government. Every student enjoys membership in this association. Its activities are supported by a student activity fee which is collected from each enrolled student. The Student Council is the student governing body. Four commissions coordinate the various activities of the Student Association: the Student Activities and Cultural Programs Commission, the Communications Commission, the Organizations Commission, and the Finance Commission. Participation in student government is open to all students, including graduate students.

#### *Physical Education and the Athletic Program*

The program of physical education is operated under the jurisdiction of the Department of Health and Physical Education within the School of Natural Sciences and Mathematics. The Basic Studies physical education instructional classes attempt to prepare the student with skills, knowledge, and appreciation for successful participation in a variety of

physical activities. In addition to the instructional classes the student is provided with the opportunity to participate in intramural sports and recreational activities as regularly as his time and interests permit. The intercollegiate and extramural programs are designed for the student with ability in specific sport areas to represent the college in athletic competition with other colleges and universities.

### STUDENT SERVICES

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.

#### *Counseling Center*

In order to provide integrated and effective service for students, Counseling, Placement and Financial Aids are all available through one office: the Counseling Center.

*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. The professionally trained staff of the counseling center is available to all enrolled students.

*Placement services*, an integral part of the College Counseling Center, provides information about full-time employment opportunities, including the requirements for certain work and employment trends, to students striving to make career decisions. Career planning is the basis by which students are guided into full-time positions, and students are urged to begin career planning prior to their senior year. The placement service arranges for employers to interview candidates for career placement prior to the completion of their degree or credential programs. Career Day programs bring recruiters from government, business and industry to discuss with interested students available opportunities, and the California State College, Dominguez Hills, participates in national and local placement programs.

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

*Loans, Grants-in-Aid, and Part-Time Employment* are some of the financial aid programs available to qualified students who have financial need. Detailed information, applications, and all necessary forms are available from the Counseling Center. Students should submit their financial aid applications well in advance of their expected date of entrance, and if possible before April 15th for the Fall Quarter. Tentative financial aid commitments for entering students will be made beginning about June 1st and will continue as long as funds remain. The deadline for on-going students to submit financial aid applications for the Fall Quarter is May 15, 1969. Since several of the financial aids programs are sponsored by the federal government, it is important to note that these financial aid commitments are subject to change depending upon governmental appropriations.

In order to ascertain financial need, students under age 25 are required to submit a Parents' Confidential Statement to the College Scholarship Service. This form is available either from a high school counselor or from the Counseling Center. Independent students 25 years of age or over are required to submit the Student Confidential Statement which is also available at the Counseling Center. It must be emphasized that financial need is the important criterion for most of the financial aid programs now available. Planning with counselors is recommended.

Loan programs now available at California State College, Dominguez Hills, are the National Defense Student Loan and the Federally Insured Student Loan. The National Defense Student Loan is available to students showing financial need. The Federally Insured Student Loan does not have a need requirement. Both loans are long-term, low-interest loans which are repayable beginning 9 months after leaving a college program. Applicants for admission to California State College, Dominguez Hills, may apply for these federal loans prior to enrollment, but payment of loan monies are not made until a student is formally attending classes.

An interest-free Short Term Program is available which allows a student to borrow up to \$50.00 for no more than 30 days. Money to support this program has come primarily from the Faculty Wives Club of California State College, Dominguez Hills, the Soroptomist Club of Gardena, and the Los Angeles Association of Elementary School Administrators Scholarship Fund.

Grants of \$200 to \$1,000 per academic year are available through the Economic Opportunities Grant Program for full-time students having extreme financial need. Students must show effort by matching the grant with a National Defense Student Loan and/or College Work-Study. Eligibility for the Economic Opportunities Program is very carefully determined according to federal regulations.

A recent federal program providing loans and grants has been established by the Law Enforcement Assistance Administration to encourage and assist persons pursuing, or interested in pursuing, law enforcement careers. Areas related to law enforcement may include courses potentially relevant to law enforcement preparation and/or enrichment. A maximum loan of \$1,800 per academic year is available as well as a \$200 per quarter grant program.

A limited number of scholarships and fellowships are awarded for academic excellence or meritorious achievement. The Committee on Scholarship Awards receives nominations for these awards and announces recipients at various times throughout the academic year.

Part-time employment opportunities, both on-campus and off-campus, are listed by the Coordinator of Placement and Financial Aids. Since part-time work opportunities are largely dependent upon the demand for services in the community, students are encouraged to register in advance for this assistance.

California State College, Dominguez Hills, participates in the federal College Work-Study Program. On- and off-campus positions are available for full-time students who demonstrate financial need. These positions are generally in areas of work which enrich the individual's academic program. A person participating in the College Work-Study Program may work an average of 15 hours a week during the academic year.

### ***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 for the insured. Information concerning the medical insurance programs of the college can be obtained from the Health Center.

New students are required to have their reports of medical examination on file before they enter. Medical examination forms are sent to each student with his notification of admission and must be returned to the Health Center at least three weeks prior to the commencement of the quarter in which he intends to enroll. 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.

### 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. In general, those individual or group actions which the college finds unacceptable or detrimental to the education process are: (1) conduct generally looked upon as disorderly, unethical, vicious or immoral; (2) misuse, abuse, theft or destruction of property; and (3) willful violation of those regulations (community or college) which have been established for the general safety of all members of the group.

In a college community, it is particularly important to emphasize certain ethical standards which must be maintained, hopefully through student self-discipline. Plagiarism, cheating on examinations and the falsification of records are types of unethical behavior which would constitute an infraction of the college's academic standard for students.

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 maturity are subject to certain disciplinary actions. Individual cases of student misconduct are studied by the Dean of Students and his staff and, when appropriate, referred to the Campus Judiciary Board for recommended action. Since final action in cases of student misconduct can be taken only by the President of the college, the Campus Judiciary Board's recommendations will be addressed to him. Penalties for misconduct may vary from expulsion from the college to a letter of censure, depending upon the circumstances of the case. In every instance where such action is prescribed, the college strives to weigh its decision in terms of its educational value to the student.

Students may appeal decisions by presenting a written petition to the Dean of Students stating the reasons why the action is considered unjust or presenting additional evidence concerning the case. The President's Council serves as an appeal board and recommends action to the President.

## 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 and behavioral sciences, and the natural sciences and mathematics. The curriculum pattern has been designed to make certain that every student earning a degree from the college will have pursued a program of studies characterized both by breadth and by depth.

The undergraduate program for all students consists of three segments:

1. The Basic Studies program—approximately 40% of the course work required for the bachelor's degree.
2. A major consisting of a departmental field and an interdepartmental field—approximately 40%.
3. Elective courses—approximately 20%.

### THE BASIC STUDIES PROGRAM

The Basic Studies program is not conceived as a set of miscellaneous courses covering the various major fields of knowledge. It consists of a group of courses that are organized in a meaningful pattern of study and have been designed to meet specific educational goals.

1. To help students acquire four basic intellectual abilities:
  - a. The ability to read with critical perception materials written for the non-professional in the humanities, social sciences, and natural sciences;
  - b. The ability to express ideas easily and effectively (both in written form and orally);
  - c. The ability to handle quantitative data and concepts easily, to the level that is necessary for the non-professional;
  - d. The ability to think coherently and logically about problems facing human beings.
2. To help students gain a knowledge of the basic facts and key principles and concepts they will need in order to participate constructively as members of a family, a community, a nation, and the entire world.
3. To give students an acquaintance with the nature, scope, and practical applications of every major field of knowledge.

There are eighteen full courses, plus three quarter units in Health and Physical Education 100 and 101. Six courses are required in each of the three schools of the college, with five of these offered in the lower division and the sixth one in the upper division.

### *Basic Studies Courses*

#### School of Humanities and Fine Arts

- Art 100. Basic Studies Art
- English 100 and 101. Basic Studies English I, II
- English 102. Basic Studies Literature
- Music 100. Basic Studies Music
- Philosophy 200. Basic Studies Philosophy

#### School of Natural Sciences and Mathematics

- Biological Science 102. Basic Studies Biology
- Chemistry 100. Basic Studies Structure of Matter
- Chemistry 102. Basic Studies Chemistry
- Mathematics 100. Basic Studies Mathematics
- Physics 102. Basic Studies Physics
- Physics 200. Basic Studies Earth and Space Sciences

#### School of Social and Behavioral Sciences

- Economics 100. Basic Studies Economics
- Geography 100. Basic Studies Geography
- History 100. Basic Studies History
- Political Science 100. Basic Studies Political Science
- Psychology 100. Basic Studies Psychology
- Anthropology 200. Basic Studies Anthropology *OR*
- Sociology 200. Basic Studies Sociology

### *Substitutions for Basic Studies Courses in the Sciences*

Students who plan to select departmental or interdepartmental major fields in the School of Natural Sciences and Mathematics will be permitted to substitute the following six courses for the six Basic Studies courses in the School of Natural Sciences and Mathematics.

Mathematics 110-112  
Biology 110

Chemistry 110-112  
Physics 110

A student majoring in one of the natural sciences or in mathematics will not forfeit his eligibility to use the above substitutions by subsequently transferring to a departmental field in the School of Humanities and Fine Arts or in the School of Social and Behavioral Sciences. If his transfer is made after completing only a portion of this substitution, the student must complete the Basic Studies requirements by selecting, under advisement, some of the regular Basic Studies courses.

## MAJOR WITH DUAL FIELDS OF CONCENTRATION

The curriculum pattern developed at the California State College, Dominguez Hills, joins the disciplinary and interdisciplinary approaches through the major with dual fields of concentration, providing 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.

For the bachelor's degree, every undergraduate at the California State College, Dominguez Hills, must complete a major with two fields of concentration, a departmental field and an interdepartmental field.

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.

### *Departmental Fields of Concentration*<sup>1</sup>

Anthropology <sup>2</sup>	Mathematics
Art	Music
Biological Science	Philosophy
Chemistry	Physics
Economics	Political Science
English	Psychology
French	Sociology
Geography	Spanish
History	

### *Interdepartmental Fields of Concentration*

Afro-American Studies	Latin American Studies
American Business and Economic Systems	Linguistics
American Studies	Theater Arts
Behavioral Sciences	The Foundations of Natural Science
Earth and Space Sciences	Twentieth Century Thought and Expression
East Asian Studies <sup>2</sup>	Urban Studies and Environmental Design
Information Systems	
International Relations <sup>2</sup>	

<sup>1</sup> Present course offerings in Chinese and German are listed on pages 59 and 82. Upper division courses will be added in 1970-71.

<sup>2</sup> Juniors may begin these programs in 1970-71.

## GRADUATE PROGRAMS

### *Teacher Education*

The college is currently offering programs preparing candidates for credential certification as elementary and secondary teachers. In addition, selected graduate courses in Education are also available.

### *Master of Arts Degree*

Graduate degree programs are gradually being phased into the college curriculum in selected departmental and interdepartmental fields and in certain applied arts and sciences, such as business, subsequent to approval by the Board of Trustees of the California State Colleges.

In 1969-70, the California State College, Dominguez Hills, is offering programs leading to the master of arts degree in Behavioral Sciences and English.

Students interested in a master's degree in one of these fields should consult the Office of Graduate Studies. Graduate admission requirements may be found on page 133; college requirements for the master's degree, on page 143, and specific program requirements, on pages 49 and 69-70.

## THE SCHOOL OF HUMANITIES AND FINE ARTS

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

Among the course offerings open to all students in the college are activities courses and workshops in drama, music, and 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. Such courses are designed as part of an overall framework for lifelong interests and not primarily as preparation for a professional career in one of these arts.

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.

### *Fields of Concentration*

In addition to the following, the School of Humanities and Fine Arts is currently offering lower division courses in Chinese and German. In 1970-71, upper division courses in these two languages will be added, and an interdepartmental field in East Asian Studies will be initiated. The departmental fields offered by the School are:

- Art
- English
- French
- Music
- Philosophy
- Spanish

The interdepartmental fields are:

- \* East Asian Studies
- Latin American Studies
- Linguistics
- Theater Arts
- Twentieth Century Thought and Expression

The School also offers a Master of Arts Degree in English.

#### *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 have two School requirements to meet:

- a. A B.A. degree candidate must complete satisfactorily at least nine upper division full courses (or a combination of full and half courses equivalent to nine full courses) in one of the departmental patterns specified in the following pages.
- b. A B.A. degree candidate must perform satisfactorily on a comprehensive examination set by the department. The examination may consist partly of writing short papers on assigned topics in the library or at home, or with open-book privileges in an examination room. Part of the test may be oral.

#### *Foreign Language*

Students with major fields in the School of Humanities and Fine Arts are urged to achieve proficiency in a foreign language before completing their college careers. Such proficiency, however, is not a requirement for the B.A. degree.

---

\* Juniors may begin this program in 1970-71.

## THE SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

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

Curriculums in the School are designed to emphasize the principles, concepts, and tools which unify and underlie all of the natural sciences and mathematics, without minimizing the distinctiveness of each.

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 medicine, dentistry, or engineering; 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 substitute for the prescribed group of Basic Studies courses in sciences and mathematics most or all of a separate group of courses designed as preparation for the upper division major fields. The complete group of lower division courses to be substituted consists of course sequences in chemistry and in mathematics in the freshman year, and course sequences in physics and in biological science in the sophomore year.

### *Fields of Concentration*

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

- Biological Science
- Chemistry
- Mathematics
- Physics



The interdepartmental fields of concentration offered by the School are:

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

The School also offers lower division courses in health and physical education.

A Master of Arts Degree in Mathematics is planned for next year.

## 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 contraction shown below, the School is responsible for courses in the Basic Studies 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

\* Juniors may begin this program in 1970-71.

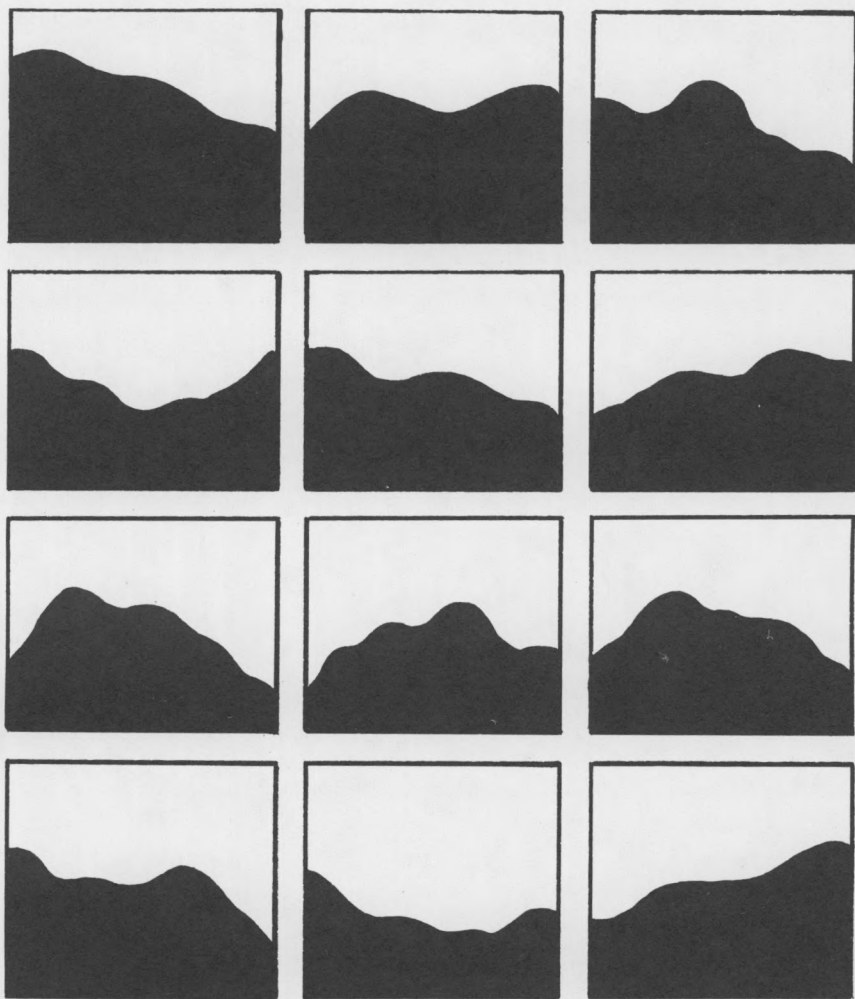
The interdepartmental fields of concentration offered by the School are:

- Afro-American Studies
- American Business and Economic Systems
- American Studies
- Behavioral Sciences
- International Relations \*

#### Urban Studies and Environmental Design

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

\* Juniors may begin this program in 1970-71.



**MAJOR FIELDS OF  
CONCENTRATION AND  
COURSE OFFERINGS**

## 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 patterns of the Afro-American people, through broad study involving several departments of the college.

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

#### *Upper Division*

- A. History 254. History of the Afro-American
- B. Three courses selected from at least two different departments in the School of Social and Behavioral Science (in addition to History 254). Examples of courses which would apply are:
- Political Science 248. The Politics of the Developing Areas  
Sociology 235. Social Movements: Black Awareness  
Sociology 260. Minority Racial and Ethnic Relations
- C. Three courses selected from at least two different departments in the School of Humanities and Fine Arts. Examples of courses which would apply are:
- Art 254. Afro-American Art  
Art 265. Art of Black Africa  
English 244. Afro-American Literature  
Music 252. Afro-American Music
- D. An approved elective, outside the student's departmental field, that deals with problems relevant to Afro-Americans. Examples of courses which would apply are:
- Anthropology 210. Culture and Personality  
Anthropology 220. Urban Anthropology  
†Economics 245. Economic Development and Underdevelopment  
†Economics 280. The Economics of Urban Areas  
History 256. History of the Mexican-American  
Philosophy 270. Philosophy in the Modern World  
Political Science 220. Urban Government and Politics  
Political Science 261. American Constitutional Law: Civil Rights  
Psychology 240. Social Psychology  
Sociology 212. The Urban Community  
Sociology 215. Selected Contemporary Social Problems
- E. The senior seminar in this field.

† Consult course description for prerequisites.

## 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

There are two emphases in this interdepartmental field: one, the function of business as it relates to changing governmental, social, and economic patterns; and two, the structure of American business, including the understanding of accounting and control systems, methods of production and marketing, and the constraints and assistance of government, all of which are basic to an analysis of the American business and economic system.

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

#### A. Required Courses:

- †Mathematics 150. Elementary Statistics and Probability
- †Economics 110 and 111. Introductory Economics
- †Economics 255. Theory and Use of Business Accounting
- Economics 260. Management in Theory and Practice

#### B. Three upper division courses from the School of Social and Behavioral Sciences, at least two of which shall be from departments other than the student's departmental major.

- Economics 215. American Economic History
- †Economics 230. Labor and the American Economy
- †Economics 250. Quantitative Economic Analysis I
- †Economics 251. Quantitative Economic Analysis II
- †Economics 275. Government and the American Economy
- Economics 285. Economic Policy and Social Problems
- †Geography 225. Economic Geography I
- Geography 260. Geography of the United States and Canada
- History 246. Emergence of Modern America
- History 248. United States: Recent Period
- History 282. Law and Society
- Political Science 210. Issues in American National Government
- Political Science 254. American Political Thought
- Psychology 240. Social Psychology
- Sociology 211. Social Organization

#### C. Two courses selected from the School of Humanities and Fine Arts and/or the School of Natural Sciences and Mathematics.

- Chemistry 286. American Science and Technology
- †English 275. Modern Social and Political Fiction
- †Mathematics 160. Introduction to Data Processing
- Philosophy 230. The Nature of Scientific and Humanistic Inquiry
- Philosophy 270. Philosophy in the Modern World

#### D. The senior seminar in this field.

NOTE: Economics majors should elect sufficient additional courses from B and C to complete *nine* courses in their interdepartmental field.

† Consult course description for prerequisites

## COURSE OFFERING

### *Upper Division*

**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)



## AMERICAN STUDIES

### An Interdepartmental Field of Concentration

The interdepartmental field in American Studies is designed to provide an understanding of the cultural patterns of American life through broad study involving several departments of the college.

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

#### Upper Division

- A. History 252. History of American Thought
- B. Three courses, selected from at least two different departments in the School of Social and Behavioral Sciences (in addition to History 252). Examples of courses which would apply are:
  - Economics 215. American Economic History
  - †Economics 275. Government and the American Economy
  - Geography 260. Geography of the United States and Canada
  - History 240. United States: Colonial Period
  - History 246. Emergence of Modern America
  - Political Science 210. Issues in American National Government
  - Political Science 254. American Political Thought
  - Psychology 240. Social Psychology
  - Sociology 210. Social Stratification and Class
- C. Three courses, selected from at least two different departments in the School of Humanities and Fine Arts. Examples of courses which would apply are:
  - Art. 250. American Art and American Society
  - †English 240. American Literature I
  - †English 241. American Literature II
  - Music 250. American Music
  - Philosophy 270. Philosophy in the Modern World
- D. An approved elective in an area outside the School of the student's departmental field.
  - A course such as Chemistry 286 (American Science and Technology) could apply.
- E. The senior seminar in this field.

### COURSE OFFERING

#### Upper Division

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

Full Course (4)

† Consult course description for prerequisites.

## ANTHROPOLOGY

Students selecting a departmental field in anthropology should note: The pattern of requirements for this departmental field will be developed during 1969-70 and juniors may begin the program in 1970-71. Additional senior-level courses will be added at that time.

### COURSE OFFERINGS IN ANTHROPOLOGY

#### Lower Division

**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. PHYSICAL ANTHROPOLOGY.** Origin of man, man's place in nature. Examination of fossil evidence of human evolution. Bases for racial classification.

Full Course (4)

#### Upper Division

**200. 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. *Three hours of lecture and one hour of group discussion per week.*<sup>1</sup>

Full Course (4)

**210. CULTURE AND PERSONALITY.** Personality development in cultural milieu; basic personality, cognition, and other concepts related to cultural variations.

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)

**220. URBAN ANTHROPOLOGY.** Comparative analysis of patterns of urban culture. Evidences of prehistoric urban life. Urban cultural patterns in nonindustrialized societies.

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)

**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)

<sup>1</sup> Anthropology majors should take Sociology 200 to meet Basic Studies requirement.

**285. ETHNOLOGICAL THEORY.** Survey and analysis of major schools of anthropological thought. Relation of contemporary theory to its historical roots.

Full Course (4)

### 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 APPLIED ANTHROPOLOGY.** A consideration of practical applications of anthropological theory and research to contemporary societies and social systems. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

## ART

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

#### Lower Division

- Art 180. Visual Elements Workshop I
- Art 190. Three-Dimensional Media Workshop I

#### Upper Division

- Art 210. Ancient Art
- Art 215. Medieval Art
- Art 220. Renaissance Art
- Art 225. Baroque Art
- Art 230. Modern Art
- Art 235. Oriental Art I (China) *or*
- Art 236. Oriental Art II (Japan and Korea)

NOTE: An art major electing East Asian Studies as his indepartmental field and taking Oriental Art I as part of it, must take Oriental Art II to satisfy this requirement.

- Art 295. Seminar in Theories of Art Criticism

One course selected upon advisement from the following:

- Art 235. Oriental Art I *or*
- Art 236. Oriental Art II
- Art 250. American Art and American Society
- Art 260. Latin American Art
- Art 265. Art of Black Africa
- Art 270. Twentieth Century Artists: Their Writings and Their Art

Select by advisement either

- Art 280. Visual Elements Workshop II *and*
- Art 285. Three-Dimensional Media Workshop II *or*
- Art 297. Directed Research

In addition, each student is required to take a comprehensive examination in the field of art.

### 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)

**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)

**175. DESIGN WORKSHOP.** A studio course introducing the student to various problems and techniques of design in relation to practical application. *Three hours per week plus additional work by arrangement.*

One-Half Course (2)\*

**180. VISUAL ELEMENTS WORKSHOP I.** A studio course introducing the student to the various elements of art and their use in visual communication. *Three hours per week plus additional work by arrangement.*

One-Half Course (2)\*

**190. THREE-DIMENSIONAL MEDIA WORKSHOP I.** A studio course introducing the student to problems and materials of a three-dimensional medium. *Three hours per week plus additional work by arrangement.*

One-Half Course (2)\*

### Upper Division

**210. ANCIENT ART.** The architecture, painting, sculpture, and minor arts in the Mediterranean Basin from the dawn of civilization to the triumph of Christianity.

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. MODERN ART.** The architecture, painting, and sculpture of Europe and America in the nineteenth and twentieth centuries. *Prerequisite: Art 225 or consent of instructor.*

Full Course (4)

**235. ORIENTAL ART I.** A study of the visual arts of China.

Full Course (4)

**236. ORIENTAL ART II.** A study of the visual arts of Japan and Korea. (Art 235 and 236 may be taken separately and in either order.)

Full Course (4)

**250. AMERICAN ART AND AMERICAN SOCIETY.** A study of the ways in which American artists, architects, and designers have reacted to, have been influenced by, and have initiated important world trends in the arts.

Full Course (4)

\* Repeatable Course

**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 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 with an introduction dealing with the arts of the pre-Columbian civilizations.

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)

**270. TWENTIETH-CENTURY ARTISTS: THEIR WRITINGS AND THEIR ART.** An examination of some of the outstanding 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)

**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)

**280. VISUAL ELEMENTS WORKSHOP II.** A continuation of Art 180. *Three hours per week plus additional work by arrangement. Prerequisite: Upper division standing.*

One-Half Course (2)\*

**285. THREE-DIMENSIONAL MEDIA WORKSHOP II.** A continuation of Art 190. *Three hours per week plus additional work by arrangement. Prerequisite: Upper division standing.*

One-Half Course (2)\*

**291. SPECIAL STUDIES IN ART.** Detailed study of a period, area, figure, or movement in the history of art. *Prerequisite: Art Major and consent of department head.*

Full Course (4)

**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)

\* Repeatable Course

**297. DIRECTED RESEARCH.** Preparation of the bachelor's paper. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

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

Full Course (4)

## BEHAVIORAL SCIENCES

### An Interdepartmental Field of Concentration

The interdepartmental field in Behavioral Sciences is designed to provide the student with a broad understanding of the psychological and sociological forces which shape human behavior and their impact on all facets of culture.

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

#### Lower Division

Mathematics 150. Elementary Statistics and Probability

#### Upper Division

A. Two courses, but not more than one in a single discipline, selected from the following in the history and/or theory of the behavioral sciences:

- Anthropology 285. Ethnological Theory
- Economics 215. American Economic History
- Economics 216. Economic History of Europe
- †Economics 280. The Economics of Urban Areas
- History 280. History of Science
- Philosophy 230. The Nature of Scientific and Humanistic Inquiry
- Political Science 251. Modern Political Thought
- Political Science 254. American Political Thought
- Psychology 225. History and Systems of Psychology
- Sociology 255. Modern Sociological Theories

B. One course selected from the following in Biology:

- †Biology 230. Population Biology
- †Biology 232. Ecology
- †Biology 240. Genetics
- †Biology 246. Human Heredity
- †Biology 252. Animal Physiology

C. One course selected from the following in literature and the arts:

- †Art 270. Twentieth Century Artists: Their Writings and Their Art
- †English 275. Modern Social and Political Fiction
- Philosophy 260. Selected Works in Existentialist Thought
- Philosophy 270. Philosophy in the Modern World

D. Choice of any four upper division courses in anthropology, psychology, or sociology (excluding Anthropology 200 or Sociology 200). Students may take no more than two courses in one of these disciplines. Courses must be chosen from fields other than the student's departmental major. The four courses may include also Political Science 214, American Political Parties and Elections, and/or Political Science 270, Public Opinion and Propaganda.

E. The senior seminar in this field.

† Consult course description for prerequisite.



## COURSE OFFERING

### Upper Division

**290. SEMINAR IN BEHAVIORAL SCIENCES.** An integrative course to study selected topics and present seminar papers for critical review. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

### 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 agencies; school and college administrators; administrators of programs or agencies; general classroom teachers; specialist teachers of the gifted, disadvantaged, educationally handicapped, or retarded; researchers and Ph.D. candidates in behavioral sciences; and candidates for advanced degrees in higher education.

Goals of the program are: development of a thorough background in the theoretical bases of the Behavioral Sciences; development of awareness of the importance of societal problems in the field, and development of skills and understanding requisite to dealing with problems effectively.

Completion of the degree requires the following:

1) *A written examination* on the following core areas: (a) theory in behavioral sciences; (b) research methods in the behavioral sciences; (c) biological bases of behavior. This examination may be taken whenever the student believes that he is prepared, but before he can be advanced to candidacy. The student may prepare for the exam by taking upper division or graduate courses as part of his program, but is not required to do so.

2) *Preparation in a field of special interest.* Each student will be expected to do work in an area of special interest (to be defined by the student and approved by his adviser). A final *oral examination* will be given the student covering his area of special interest and his thesis or special project.

3) A *thesis* or special project (up to 9 units). A student must be advanced to candidacy before he can begin formal work on his thesis or project.

4) A total of 45 units in courses (including thesis) at least 27 of which are at graduate level. Courses available at graduate level are listed below.

## GRADUATE COURSE OFFERINGS IN BEHAVIORAL SCIENCES

*An understanding of statistics and research methods, Graduate standing, and consent of instructor is 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. BIOLOGICAL BASES FOR BEHAVIOR.** Genic control of cellular metabolism, hormonal regulation, and the central and peripheral nervous system processes underlying various problems of behavior.

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)

**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)

**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.

(9 units)

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

**Anthropology 442. SEMINAR IN APPLIED ANTHROPOLOGY.** See Anthropology Course Offerings.

**Economics 410. STUDIES IN ECONOMIC BEHAVIOR.** See Economics Course Offerings.

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

**Psychology 410. STUDIES IN APPLICATIONS OF LEARNING THEORIES.** See Psychology Course Offerings.

**Psychology 420. STUDIES IN DIFFERENTIAL PSYCHOLOGY.** See Psychology Course Offerings.

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

**Psychology 450. INDIVIDUAL ASSESSMENT.** See Psychology Course Offerings .

**Psychology 452. INDIVIDUAL TESTING.** 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.

\* Repeatable Course

## BIOLOGICAL SCIENCE

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

#### Lower Division

- Biology 110-112-114. Principles of Biology
- Chemistry 110-112-114. General and Quantitative Chemistry
- Chemistry 120. Organic Chemistry
- Physics 102. Basic Studies Physics *or*
- Physics 110. General Physics
- Mathematics 110-112. Differential and Integral Calculus I and II

#### Upper Division

- Biology 210-212-214. Organism Biology
- Biology 220. Cell Biology I
- Biology 230. Population Biology
- Biology 240. Genetics
- Biology 294. Senior Seminar in Biology (One-Fourth Course)

#### Two full courses selected from:

- Biology 222. Cell Biology II
- Biology 224. Microbiology
- Biology 232. Ecology
- Biology 250. Plant Physiology
- Biology 252. Animal Physiology
- Biology 281. Laboratory in Selected Topics in Biology
- Biology 295. Selected Topics in Biology
- Biology 297. Directed Research
- Chemistry 250. Biochemistry

### COURSE OFFERINGS IN BIOLOGICAL SCIENCE

#### Lower Division

**102. BASIC STUDIES 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. Prerequisite: Chemistry 100.*

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 Biology 110. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biology 110 and Chemistry 114.*

Full Course (4)

**114. PRINCIPLES OF BIOLOGY.** A continuation of Biology 112. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biology 112.*

Full Course (4)

## Upper Division

**210. ORGANISM BIOLOGY.** A study of the development, structure, systematics and function of organisms with emphasis on multicellular organisms. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biology 114.*

Full Course (4)

**212. ORGANISM BIOLOGY.** A continuation of Biology 210. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biology 210.*

Full Course (4)

**214. ORGANISM BIOLOGY.** A continuation of Biology 212. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biology 212.*

Full Course (4)

**220. CELL BIOLOGY I.** Basic biological problems at the cellular level. Chemical composition of cells, metabolism, synthesis and membrane phenomena. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biology 114 and Chemistry 120.*

Full Course (4)

**222. CELL BIOLOGY II.** 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: Biology 114 and Chemistry 120.*

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: Biology 220, or Biology 114 and Chemistry 250.*

Full Course (4)

**230. POPULATION BIOLOGY.** Structure and organization of populations; principles of population growth and density control; traffic of materials and energy between populations. *Three hours of lecture and three hours of laboratory and field work per week. Prerequisite: Biology 114, or completion of the lower division Basic Studies science program.*

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: Biology 114, or completion of the lower division Basic Studies science program.*

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: Biology 110.*

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. Prerequisite: Completion of lower division Basic Studies science requirements (or California State Code science requirements), and Mathematics 150.*

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. Prerequisite: Biology 214.*

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. Prerequisite: Biology 214.*

Full Course (4)

**260. BIOLOGICAL OCEANOGRAPHY.** A study of the oceans and their phenomena, with particular emphasis upon the animal and plant inhabitants of ocean waters. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biology 114 or completion of the lower division Basic Studies science program.*

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: Biology 114 or completion of the lower division Basic Studies science program.*

Full Course (4)

**281. LABORATORY IN SELECTED TOPICS IN BIOLOGY.** Advanced laboratory work for small groups of biology majors. *Six or twelve hours of laboratory per week. Prerequisite: Consent of instructor.*

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

**294. SENIOR SEMINAR IN BIOLOGY.** Intensive use of current biological literature and bibliographies. *Two hours 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: Senior standing and consent of instructor.*

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

\* Repeatable Course

## CHEMISTRY

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

#### Lower Division

- Chemistry 110-112-114. General and Quantitative Chemistry
- Chemistry 120. Organic Chemistry I
- Mathematics 110-112-114. Differential and Integral Calculus I, II, III
- Physics 110-112-114. General Physics
- Biology 102. Basic Studies Biology *or*
- Biology 110. Principles of Biology

#### Upper Division

- 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 240. Inorganic Chemistry

### COURSE OFFERINGS IN CHEMISTRY

#### Lower Division

**100. BASIC STUDIES STRUCTURE OF MATTER.** Review of operational mathematics. The basic nature and meaning of science; the structures of atoms and of groupings of atoms; structures in the solid, liquid and gaseous states; laws of mechanics and energy factors as related to structure. *Three hours of lecture and one hour of discussion per week.*

Full Course (4)

**102. BASIC STUDIES CHEMISTRY.** Representative topics in modern chemistry, emphasizing the present state of knowledge and the major means whereby this knowledge is being expanded. *Three hours of lecture and one hour of discussion per week. Prerequisite: Chemistry 100 and Mathematics 100.*

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.*

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)

**120. 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. *Prerequisite: Chemistry 114.*

Full Course (4)

### Upper Division

**211. ORGANIC CHEMISTRY LABORATORY I.** Basic experimental techniques. Preparation of compounds. Introduction to infrared spectroscopy, gas chromatography, and other instrumental methods. *Six hours of laboratory per week. Prerequisite: Chemistry 120.*

One-Half Course (2)

**212. ORGANIC CHEMISTRY II.** Structures and reactions of organic compounds containing oxygen, sulfur, nitrogen, and other elements. Synthetic and analytical methods. *Prerequisite: Chemistry 120.*

Full Course (4)

**213. ORGANIC CHEMISTRY LABORATORY II.** Preparation of organic compounds. Analysis and identification of known compounds *via* chemical and instrumental methods. *Six hours of laboratory per week. Prerequisite: Chemistry 211 and Chemistry 212, or concurrent enrollment in Chemistry 212.*

One-Half Course (2)

**214. ORGANIC CHEMISTRY III.** Polyfunctional systems, heterocyclics. Advanced aspects of theoretical organic chemistry. Laboratory work includes analysis of unknown compounds, methods of investigating reaction mechanisms, isolation of natural products. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Chemistry 213.*

Full Course (4)

**220. PHYSICAL CHEMISTRY.** 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.** A continuation of Chemistry 220 including laboratory exercises demonstrating physical chemical techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 220.*

Full Course (4)

**224. PHYSICAL CHEMISTRY.** A continuation of Chemistry 222, emphasizing laboratory methods. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Chemistry 222.*

Full Course (4)

**230. ANALYTICAL CHEMISTRY.** Discussions of titrimetric, gravimetric, electro-analytical, optical, and other methods of separation and measurement. *Prerequisite: Chemistry 120 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.** The chemistry of biological systems, including carbohydrates, lipids, proteins, nucleic acids, enzymes, and vitamins; metabolic processes. *Prerequisite: Chemistry 212 or consent of the instructor. (Chemistry 230 recommended.)*

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 250.*

One-Half Course (2)

**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. CHEMICAL OCEANOGRAPHY.** A study of the composition and the chemical and physical properties of ocean waters. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114.*

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. MINERALOGY AND CRYSTALLOGRAPHY.** Properties and origins of common minerals; crystal chemistry of major mineral groups; introductory optical and structural crystallography. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114.*

Full Course (4)

**281. LABORATORY IN SELECTED TOPICS IN CHEMISTRY.** Advanced laboratory work for small groups of science majors. *Six or twelve hours of laboratory per week. Prerequisite: Consent of instructor.*

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

**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)

\* Repeatable Course

**294. COLLOQUIUM IN CHEMISTRY.** A weekly discussion and reporting group concerned with new and advanced topics in chemistry. Involves journal reading. Open to students majoring in the sciences and mathematics.

One-Fourth Course (1)\*

**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)\*

\* Repeatable Course

## CHINESE

### COURSE OFFERINGS IN CHINESE

#### Lower Division

- 110. FIRST-QUARTER CHINESE.** Introduction to the National Language (Kuo Yü) of China, with emphasis on oral competence; reading and writing in transliteration.  
Full Course (4)
- 111. SECOND-QUARTER CHINESE.** A continuation of Chinese 110. *Prerequisite: Chinese 110 or consent of instructor.*  
Full Course (4)
- 112. THIRD-QUARTER CHINESE.** A continuation of Chinese 111 with an introduction to the calligraphy and practice in newspaper style. *Prerequisite: Chinese 111 or consent of instructor.*  
Full Course (4)
- 120. FOURTH-QUARTER CHINESE.** A continuation of Chinese 112. *Prerequisite: Chinese 112 or consent of instructor.*  
Full Course (4)
- 121. FIFTH-QUARTER CHINESE.** A continuation of Chinese 120. *Prerequisite: Chinese 120 or consent of instructor.*  
Full Course (4)
- 122. SIXTH-QUARTER CHINESE.** A continuation of Chinese 121. *Prerequisite: Chinese 121 or consent of instructor.*  
Full Course (4)
- 130. SPOKEN CHINESE.** Practice in the conversational use of the National Language (Kuo Yü). *Four hours per week. Prerequisite: Chinese 112 or equivalent.*  
One-Half Course (2)

## EARTH AND SPACE SCIENCES

### An Interdepartmental Field of Concentration

The program in this field is intended to meet the needs and interests of students whose departmental field is in one of the physical or biological sciences and who desire supplementary work in the areas represented by the earth and space sciences, and also of students whose departmental field is in one of the humanities or social sciences and who desire supplementary work in these scientific areas of great current interest and significance. In addition, a student may become qualified for graduate work in important areas of geology, oceanography, meteorology and astronomy by selecting this interdepartmental field along with a departmental field in chemistry, physics or geography.

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

Students electing an interdepartmental field of concentration in the Earth and Space Sciences must complete nine courses:

- A. † Physics 150. Physical Geology
- B. Two courses (maximum) may be lower division courses which are prerequisite to those listed in D below. (Note that the same course may not also satisfy the Basic Studies requirement.)
- C. One course (maximum) may be directed research.
- D. Four courses (minimum) from the following list, including at least one from each of three of the departments; students whose departmental field of concentration is in Biological Science, Chemistry, or Physics must include courses from three departments other than their departmental major field.
  - † Biology 260. Biological Oceanography
  - † Biology 264. Paleontology
  - † Chemistry 270. Chemical Oceanography
  - † Chemistry 274. Geochemistry
  - † Chemistry 276. Mineralogy and Crystallography
  - Geography 205. Cartography: Map Projections
  - Geography 210. Principles of Geomorphology.
  - Geography 215. Weather and Climate
  - † Physics 250. Space Physics
  - † Physics 252. Geophysics
  - † Physics 256. Astrophysics
- E. The senior seminar in Earth and Space Sciences.

### COURSE OFFERING

#### Upper Division

**290. SEMINAR IN THE EARTH AND SPACE SCIENCES.** *Prerequisite: Senior standing or consent of the instructor.*

Full Course (4)

† Consult course description for prerequisite.

## 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.

Juniors may begin the program in 1970.

### 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. Oriental Art I (China)
  - † English 238. Literature of China and Japan
  - Music 255. Music of China and Japan
  - Philosophy 285. Philosophies of Eastern Civilization
- B. Three courses from the School of Social and Behavioral Sciences, selected from the following:
- Anthropology 235. Peoples of East Asia
  - † Economics 240. International Economics
  - † Economics 245. Economic Development and Underdevelopment
  - Geography 270. Geography of East Asia
  - History 270. Asia to 1600
  - History 272. Asia from 1600
  - Political Science 241. Government and Politics of East Asia
- C. Two additional courses selected by advisement from the above lists or from Chinese and Japanese language. Art 236 (Oriental Art II) may be opted but only if the student also takes Art 235 (Oriental Art I).
- D. The senior seminar in this field.
- One or two years of college-level study of Chinese or Japanese language is recommended as electives.

### 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)

† Consult course description for prerequisite

## ECONOMICS

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

#### Lower Division

Mathematics 150. Elementary Statistics and Probability  
Economics 110-111. Introductory Economics

#### Upper Division

Eight courses in economics, as follows:

- A. Two courses selected from:
  - Economics 210. Intermediate Price Theory
  - Economics 225. Monetary Theory and Policy
  - Economics 226. Major Issues in Public Finance
- B. One course selected from:
  - Economics 215. American Economic History
  - Economics 216. Economic History of Europe
  - Economics 221. History of Economic Thought
- C. One course selected from:
  - Economics 240. International Economics
  - Economics 242. Comparative Economic Systems
  - Economics 245. Economic Development and Underdevelopment
- D. Four additional upper division courses in economics.

NOTE: In choosing the additional courses, any courses listed in A, B, and C above and not taken as part of those requirements, may be elected.

### COURSE OFFERINGS IN ECONOMICS

#### Lower Division

**100. BASIC STUDIES ECONOMICS.** The nature of the economic problems faced by all societies, and the alternative ways in which these have been resolved. Historical development of the institutions and values of contemporary capitalism.

Full Course (4)

**110. INTRODUCTORY ECONOMICS.** Fundamental economic concepts and analysis of economic problems. How resources are allocated, output determined, production organized, and income distributed. *Prerequisite: Economics 100.*

Full Course (4)

**111. INTRODUCTORY ECONOMICS.** National income accounting, monetary systems, fiscal policy. Problems of growth and stability. International trade and economic development. *Prerequisite: Economics 110.*

Full Course (4)

#### Upper Division

**210. INTERMEDIATE PRICE THEORY.** Intense and critical evaluation of theory underlying the concepts of production and distribution. *Prerequisite: Economics 110 and 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.** Economic concepts and theories from Aristotle to the present. Changing attitudes on policy issues in western societies in the context of general historical development. *Prerequisite: Economics 110 and 111.*

Full Course (4)

**225. MONETARY THEORY AND POLICY.** Monetary theory and policy as they relate to the national economy, with special consideration of the role of financial intermediaries. *Prerequisite: Economics 110 and 111.*

Full Course (4)

**226. MAJOR ISSUES IN PUBLIC FINANCE.** Study and evaluation of the fiscal roles of the federal, state and local governments. Consideration of the economic and social effects of various patterns of taxation, expenditure and debt management. *Prerequisite: Economics 110 and 111.*

Full Course (4)

**230. LABOR AND THE AMERICAN ECONOMY.** Historical and analytical study of the role of labor as a major productive agent, and as a component in the socio-political process. Consideration of forces determining the general wage level or labor share, and wage differentials, including the role of the market, collective bargaining and statutory requirements. *Prerequisite: Economics 110.*

Full Course (4)

**240. INTERNATIONAL ECONOMICS.** Theory and operation of international economic relationships: specialization and trade, investment, monetary mechanisms, balance of payments, and the special problems of underdeveloped nations in the international economy. *Prerequisite: 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)

**245. ECONOMIC DEVELOPMENT AND UNDERDEVELOPMENT.** Major factors in the development processes of currently advanced nations. Relevance of these factors to the prospect of both unplanned and planned development of backward areas. *Prerequisite: Economics 110 and 111.*

Full Course (4)

**250. QUANTITATIVE ECONOMIC ANALYSIS I.** The role of advanced statistical methods and other quantitative techniques in the testing of economic hypotheses and in decision making. The uses of mathematical models, games, and linear programming in the analysis and solution of problems in transportation, marketing, inventory control, and monetary control. *Prerequisite: Economics 110, 111, and Mathematics 152 or 250.*

Full Course (4)

**251. QUANTITATIVE ECONOMIC ANALYSIS II.** The construction of mathematical models, management games, and linear systems, and their application in research, training, and decision making. Purpose, simplicity, verisimilitude, and reality in model construction and implementation, along with the mathematical aspects of design. *Prerequisite: Economics 250.*

Full Course (4)

**255. THEORY AND USE OF BUSINESS ACCOUNTING.** The concepts and economic processes underlying business accounting systems, from the viewpoint of the firm and of the economy as a whole. *Prerequisite: Economics 110 and 111.*

Full Course (4)

**260. MANAGEMENT IN THEORY AND PRACTICE.** Management theory, structure and techniques as they have developed in twentieth century America. Their applicability and transferability in the affairs of various contemporary institutions, public and private, profit and non-profit. Managerial decision making.

Full Course (4)

**275. GOVERNMENT AND THE AMERICAN ECONOMY.** Study of the role of government in the development of the American economy: how it has fostered, influenced, regulated and participated in the nation's economic growth. Current issues of economic concentration, corporate organization, agriculture, consumer economics, etc. *Prerequisite: 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. *Prerequisite: Economics 100 or 111.*

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)

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

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

### Graduate

**410. STUDIES IN ECONOMIC BEHAVIOR.** The study of the economically motivated decisions and acts of individuals and groups as they shape and are shaped by the economy. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)



## EDUCATION

The Graduate Institute in Education currently offers a program of teacher preparation leading to the standard elementary and secondary teaching credentials. In addition, some graduate courses designed for teachers interested in curriculum development and special areas have been developed.

Each of the credential programs is a three-quarter sequence which includes concurrent courses, field assignments, and directed teaching.

Details regarding the requirements for each program are available from the Office of the Director of Teacher Education Programs. Prerequisites for admission to these programs are:

1. Completion of courses in Motivation and Learning (Psychology 210) and Developmental Psychology (Psychology 220)
2. Application for admission to the Teacher Education Program before or during the *first month of the quarter prior to the initiation* or professional courses in Education. Application forms are available on request from the Office of the Director of Teacher Education Programs.
3. Acceptance by the Teacher Education Committee.

### REQUIREMENTS FOR STANDARD ELEMENTARY CREDENTIAL

Education 320. Principles and Methods of Teaching

Education 330. The Teaching of Reading

Education 340. Materials and Procedures for Elementary School Social Studies

Education 350-351. Materials and Procedures in the Humanities and Fine Arts

Education 395-396. Supervised Teaching in the Elementary School

Education 397. Seminar in Student Teaching

History 386. History and Philosophy of Education

Plus added courses to complete the fifth year (minimum: 45 units)

### REQUIREMENTS FOR STANDARD SECONDARY CREDENTIAL

Education 320. Principles and Methods of Teaching

Education 380. Methods and Materials in Secondary Education

Education 390-391. Supervised Teaching in the Secondary School

Education 397. Seminar in Student Teaching

History 386. History and Philosophy of Education

Plus added courses to complete the fifth year (minimum: 45 units)

All 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 must complete this course or a course in mathematics for elementary teaching.

## COURSE OFFERINGS IN EDUCATION

### Graduate Professional

**320. PRINCIPLES AND METHODS OF TEACHING.** The basic principles which underlie successful teaching, 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. *Two hours of lecture-discussion and three hours of observation and participation per week.*

One-Half Course (2)

**330. THE TEACHING OF READING.** Procedures and materials for teaching reading throughout the total program, including the use of recent media and methods. *Three hours of lecture-discussion and three hours of observation and participation per week.*

Full Course (4)

**340. MATERIALS AND PROCEDURES FOR TEACHING IN THE 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. *Three hours of lecture-discussion and three hours of observation and participation per week.*

Full Course (4)

**350. MATERIALS AND PROCEDURES IN THE HUMANITIES AND FINE ARTS.** The development of understandings and appreciation in music, art, literary masterpieces, and creative writing at the elementary school level. *One hour of lecture-discussion and three hours of observation and participation per week.*

One-Half Course (2)

**351. MATERIALS AND PROCEDURES IN THE HUMANITIES AND FINE ARTS.** A continuation of Education 350. *Three hours of lecture-discussion and three hours of observation and participation per week.*

Full Course (4)

**370. MATERIALS AND PROCEDURES IN ELEMENTARY SCIENCE AND MATHEMATICS.** Major emphasis on planning and evaluating science and mathematics programs for children. Examination of materials and procedures used in experimental programs. Uses of mathematics in children's scientific inquiry.

Full Course (4)

**380. METHODS AND MATERIALS IN SECONDARY EDUCATION.** Preparation for supervised teaching in both the departmental and interdepartmental fields of emphasis. *Four hours of lecture-discussion and six hours of observation and participation per week.*

One and One-Half Courses (6)

**390. SUPERVISED TEACHING IN THE SECONDARY SCHOOL.** The student is required to complete a minimum of 120 hours of supervised teaching in a two 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)

**395. SUPERVISED TEACHING IN THE ELEMENTARY SCHOOL.** The student is required to complete a minimum of 180 hours of supervised teaching in a two 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.

Two Full Courses (8)

**396. SUPERVISED TEACHING IN THE ELEMENTARY SCHOOL.** A continuation of Education 395.

Full Course (4)

**397. SEMINAR IN STUDENT TEACHING.** Weekly meetings with faculty supervisors and supervising teachers. *Required for all elementary and secondary student teachers.*

One-Half Course (2)

### Graduate

**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. *Prerequisites: Graduate standing; basic teaching credential, or consent of instructor.*

Full Course (4)

**425. COMPARATIVE EDUCATION.** Systematic study of foreign educational systems; administration, control and finance of schools; the operation of school systems and educational developments in emerging countries. *Prerequisite: Graduate standing.*

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: Graduate standing and 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 330, graduate standing or professor's consent. (Section 1—elementary; section 2—secondary)*

Full Course (4)

**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: Graduate standing and introductory course in developmental psychology, child psychology or Psychological Foundations of Education or consent of instructor. Teaching experience desirable.*

Full Course (4)

**453. 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. *Prerequisite: Teaching experience and graduate standing.*

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. *Prerequisite: Graduate standing.*

Full Course (4)

**461. 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: Graduate standing and Education 460 or equivalent.*

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. *Prerequisite: Graduate standing.*

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. 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. *Prerequisite: Graduate standing; experience in teaching desirable.*

One-Half Course (2) \*

**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

## ENGLISH

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

#### *Lower Division*

No lower division requirements are specified, but electives recommended include English 130, 131, and 132.

#### *Upper Division*

English 210. Introduction to Linguistics

One course selected from the following:

English 213. History of the English Language

English 214. The Structure of English

English 216. Linguistic Analysis

English 230. Readings in British Literature

English 235. Readings in World Literature

English 240. American Literature I *or*

English 241. American Literature II

English 245. Literary Criticism

English 295. Seminar in Special Topics in British Literature

English 296. Seminar in Special Topics in American Literature

English 298. Independent Study—Examination

As part of the requirement for a Baccalaureate in English, a Senior Examination having the following aims is administered at the conclusion of English 298:

1. To allow the student to demonstrate his ability to do independent research.
2. To allow the student to demonstrate varied, balanced, and critical reading in several genres of American, British, and World literature.
3. To allow the student to draw individual literary works into a larger context than that made possible by limited course structures.
4. To allow the student to demonstrate his understanding of the structure and history of the English language as well as familiarity with major contributions in literary criticism.

Copies of the suggested English Reading List should be obtained at the English Department Office during the student's first quarter of upper division work as major.

#### 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 literature, American literature, or creative writing exist in a flexible curriculum that offers two alternative procedures through which candidates may advance toward their degrees. Under Plan 1 students elect to prepare for the Comprehensive Examination; under Plan 2 students elect to write a thesis, a special project

arising from scholarly research or creative activity. Regardless of the plan chosen, all Master of Arts candidates in English are advised that:

1. 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.
2. 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 143)
3. A knowledge of the history and structure of English is required. This requirement may be satisfied by: (1) successful completion of English 213 and 214 or equivalents, or (2) passing an examination in the history and structure of English.

## COURSE OFFERINGS IN ENGLISH

### Lower Division

**100. BASIC STUDIES ENGLISH I.** Tutorials in composition, oral and written. *One section meeting per week plus individual and small group conferences.*

Full Course (4)

NOTE: Credit for English 100 and 101 is earned by an examination taken after the completion of English 101.

**101. BASIC STUDIES ENGLISH II.** A continuation of English 100. *One section meeting per week plus individual and small group conferences. Prerequisite: English 100.*

Full Course (4)

**102. BASIC STUDIES LITERATURE.** Analysis and appreciation of major literary forms—fiction, drama, poetry—with continuation of practice in written expression. *Prerequisite: English 101.*

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)

**120. DRAMA WORKSHOP.** An activity course for the general student and for the prospective major in Theater Arts, with participation in one or more productions each quarter. *Four hours per week plus additional hours to be arranged.*

One-Half Course (2)\*

**121. THEATER PRACTICUM.** An activity course in the scenic and technical arts and crafts of the theater for both the general student and the prospective inter-departmental major in Theater 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) \*

\* Repeatable Course

**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. UNDERSTANDING FICTION.** Analysis and discussion of selected masterpieces in the short story and the novel; regularly assigned papers.

Full Course (4)

**131. UNDERSTANDING DRAMA.** Analysis and discussion of selected masterpieces in dramatic literature; regularly assigned papers.

Full Course (4)

**132. UNDERSTANDING POETRY.** Analysis and discussion of selected masterpieces in verse; regularly assigned papers.

Full Course (4)

### *Upper Division*

**210. INTRODUCTION TO LINGUISTICS.** A beginning course in the descriptive and historical study of language; phonological, morphological, and syntactic systems; usage; dialect study. (Same as French 210 and Spanish 210.)

Full Course (4)

**213. HISTORY OF THE ENGLISH LANGUAGE.** The evolution of English from its Indo-European origins. *Prerequisite: English 210.*

Full Course (4)

**214. THE STRUCTURE OF ENGLISH.** English syntax approached through a generative-transformational model; sketch of English phonology; inflectional morphophonemics; sound-spelling correspondences. *Prerequisite: English 210.*

Full Course (4)

**215. THE HISTORY OF LINGUISTIC SCIENCE.** The historical context for consideration of current theories in linguistics. *Prerequisite: English 210.*

Full Course (4)

**216. LINGUISTIC ANALYSIS.** Descriptive analysis of phonological, morphological, and syntactic systems. *Prerequisite: English 210 or consent of instructor.*

Full Course (4)

**217. 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. *Prerequisite: English 210.*

Full Course (4)

**218. INTRODUCTION TO HISTORICAL LINGUISTICS.** The methods and theories appropriate to the historical study of language, such as the comparative method, the method of internal reconstruction, sound change, grammatical change, semantic change. *Prerequisite: English 210.*

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 210.*

Full Course (4)

**220. DRAMA WORKSHOP.** A laboratory course for upper division students with previous theater 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)\*

**230. READINGS IN BRITISH LITERATURE.** Intensive study of selected major writers and periods. *Prerequisite: English 102 or equivalent.*

Full Course (4)

**235. READINGS IN WORLD LITERATURE.** Intensive study of selected major writers from the world's literature, read in translation. *Prerequisite: English 102 or equivalent.*

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. *Prerequisite: English 102 or equivalent.*

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 102 or equivalent.*

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: English 102 or equivalent.*

Full Course (4)

**244. AFRO-AMERICAN LITERATURE.** A study of selected Afro-American works of fiction, poetry, 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: English 102 or equivalent.*

Full Course (4)

**250. ADVANCED COMPOSITION.** Advanced practice in expository writing. *Prerequisite: English 100 and 101.*

Full Course (4)

\* Repeatable Course



- 251. CREATIVE WRITING.** Practice in various forms of imaginative writing. *Prerequisite: English 101 and consent of instructor.*  
Full Course (4)\*
- 261. HISTORY OF THE THEATER I.** Development of the theater and the dramatic literature from ancient times to the sixteenth century, studied in relation to the cultural environment.  
Full Course (4)
- 262. HISTORY OF THE THEATER II.** Development of the theater and the dramatic literature from the age of Shakespeare to the eighteenth century, studied in relation to the cultural environment.  
Full Course (4)
- 263. HISTORY OF THE THEATER III.** Development of the theater and the dramatic literature of the eighteenth and nineteenth centuries, studied in relation to the cultural environment.  
Full Course (4)
- 267. SHAKESPEARE.** Selected comedies, histories, and tragedies. *Prerequisite: English 102 or equivalent.*  
Full Course (4)
- 269. CONTEMPORARY THEATER.** Selected masterpieces of the contemporary stage including the Theater of the Absurd and the experimental theater.  
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, will be considered. *Prerequisite: English 102 or equivalent.*  
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)
- 281. SEMANTICS.** A study of the theories of meaning in language; the semantic component of a grammatical description: relationships between form and meaning. *Prerequisite: English 210.*  
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. These 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)\*

**297. DIRECTED RESEARCH.** Preparation of a bachelor's paper. *Prerequisite: Consent of instructor.*

Full Course (4)

**298. INDEPENDENT STUDY—EXAMINATION.** Preparation for the comprehensive examination. Individual readings and reports. *Prerequisite: Consent of the department head.*

Full Course (4)

**299. INDEPENDENT STUDY.** Independent study of a particular literary problem, author, or movement under the direction of a member of the English Department. *Prerequisite: Consent of instructor.*

Full Course (4)

## Graduate

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

**410. BIBLIOGRAPHY.** The tools and methods of literary research. *For candidates who elect Plan 2 (Thesis).*

One-Half Course (2)

**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 work of such representative writers as Jonson, Shakespeare, Bacon, Beaumont, Fletcher, Webster, Milton, Burton, Browne, Taylor, Donne, and the metaphysical poets.

Full Course (4)

\* Repeatable Course

**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)

**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)

**499. THESIS.** A thesis or special project required of candidates in Plan 2.

2-9 Units

## 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

Students electing an interdepartmental field of concentration in the Foundations of Natural Science must complete nine courses:

(Courses applied to groups A and B will not normally be chosen from the offerings of the department in which the student has his departmental major field.)

- A. Three courses (maximum) may be lower division courses in the School of Natural Sciences and Mathematics which are prerequisite to upper division courses in B below. (Note that the same courses may not also satisfy Basic Studies requirements.)
- B. Three upper division courses (minimum) in the School of Natural Sciences and Mathematics. For a student whose departmental field is in the School of Natural Sciences and Mathematics, A and B will generally consist of desirable course work in a supporting science field and of work beyond the minimum requirements in the Basic Studies program and in his departmental field. For a student whose departmental field is in one of the other Schools, A and B combined will generally consist of an in-depth sequence in one of the regular science departments.
- C. Philosophy 230. The Nature of Scientific and Humanistic Inquiry  
History 280. History of Science
- D. The senior seminar in this field.

### 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

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

#### Lower Division

French 110-111-112. First, Second, and Third Quarter French

French 120-121-122. Fourth, Fifth, and Sixth 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

The completion of two years of college French (six quarters or four semesters) —or equivalent—is prerequisite to upper division work.

French 210. Introduction to Linguistics

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 297. Directed Research

French 298. Independent Study

The B.A. candidate in French is required, as part of his comprehensive examination, to demonstrate proficiency in audio-lingual and reading-writing skills, to show understanding of contemporary French culture, and to show knowledge of major developments in French literature.

### COURSE OFFERINGS IN FRENCH

All courses, except 210 and 211, 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)

**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. *Prerequisite: French 120 or a satisfactory score on a placement test.*

Full Course (4)

**122. SIXTH-QUARTER FRENCH.** A continuation of French 121. *Prerequisite: French 121 or a satisfactory score on a placement test.*

Full Course (4)

**130. FRENCH CONVERSATION.** Language practice for building speaking proficiency and expanding awareness of contemporary French culture. *Prerequisite: One year of college French or equivalent.*

Full Course (4)

**150. DRAMA WORKSHOP.** An activity course open to all students who understand French and have minimal speaking proficiency. *Three hours per week plus additional work by arrangement.*

One-Half Course (2)\*

### Upper Division

**210. INTRODUCTION TO LINGUISTICS.** A beginning course in the descriptive and historical study of language; phonological, morphological, and syntactic systems; usage; dialect study. (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.** An introduction to the basic principles and techniques used in studying works of French literature. *Prerequisite: Two years of college French or equivalent.*

Full Course (4)

**231. TECHNIQUES OF LITERARY STUDY II.** A continuation of French 230. *Prerequisite: French 230.*

Full Course (4)

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

Full Course (4)

**250. FRENCH CULTURE I.** An area studies course focusing on patterns of French civilization and culture.

Full Course (4)

**251. FRENCH CULTURE II.** A continuation of French 250. *Prerequisite: French 250.*

Full Course (4)

**297. DIRECTED RESEARCH.** Preparation of the bachelor's paper. *Prerequisite: Senior standing and consent of the department head.*

Full Course (4)

**298. INDEPENDENT STUDY.** Preparation for the B.A. comprehensive examination. *Prerequisite: Senior standing and consent of the department head.*

Full Course (4)

\* Repeatable Course

## GEOGRAPHY

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

#### Lower Division

- Geography 110. Elements of Geography
- Geography 150. Field Study in Geography
- Mathematics 150. Elementary Statistics and Probability

#### Upper Division

- One course in regional geography
- One course in research methods and design
- Two courses in physical geography or cartography
- Two courses in settlement, population or political geography
- Two courses in economic geography
- One elective in geography or advised related field

### COURSE OFFERINGS IN GEOGRAPHY

#### Lower Division

**100. BASIC STUDIES GEOGRAPHY.** The concept of geographic regions as they are defined by elements of location, both physical and cultural; selected regions used to illustrate the influence of these factors and to show the relationship of one element to the other. *Three hours of lecture and two hours of laboratory per week.*

Full Course (4)

**110. ELEMENTS OF GEOGRAPHY.** An introduction to geography as the science of location; the organization of geographical data to describe and interpret the landscape. *Three hours of lecture and two hours of laboratory per week.*

Full Course (4)

**115. MAP AND AERIAL PHOTOGRAPH INTERPRETATION.** An introduction to the grid systems on maps, map scale, and the interpretation of physical and cultural data on maps. *Four hours of laboratory per week.*

One-Half Course (2)

**119. GRAPHICS IN THE SOCIAL SCIENCES.** 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)\*

\* Repeatable Course

## Upper Division

**205. CARTOGRAPHY: MAP PROJECTIONS.** The concept of developable surfaces; shape and dimensions of the geoid; terrestrial coordinates and the transfer of coordinate systems; the problems of linear, angular and areal equivalence and distortion in transfers; criteria and evaluation of map projections; history of cartography. *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)

**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 AND CLIMATE.** An introduction to the composition, distribution, and dynamics of the atmosphere. Methods of climatological investigation and analysis of selected climatic classification systems. *Three hours of lecture and two hours of laboratory per week.*

Full Course (4)

**220. GEOGRAPHY OF NATURAL RESOURCES.** Spatial distribution of native vegetation, soils, minerals, water, and fish. Geographic problems of resource use.

Full Course (4)

**225. ECONOMIC GEOGRAPHY I.** Location, distribution, and flow of the world's major types of production and associated systems of distribution and consumption: an interpretation of man's economic activities in relation to cost of production including natural resources. *Three hours of lecture and one hour of group discussion per week. Prerequisite: Geography 110 or equivalent.*

Full Course (4)

**226. ECONOMIC GEOGRAPHY II.** A continuation of Geography 225. *Prerequisite: Geography 225 and Mathematics 150.*

Full Course (4)

**235. URBAN GEOGRAPHY.** Study of distribution of world cities; urban settlements as regional centers; city-region relationships; the structure of cities, and their historical development.

Full Course (4)

**246. POLITICAL GEOGRAPHY.** Internal and external relations of politically organized units of area; survey of current world problem areas.

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. *Three hours of lecture and one hour of group discussion per week.*

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)

**298. INDEPENDENT STUDY.** Independent study of a particular problem under the direction of a member of the geography staff.

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

## GERMAN

### COURSE OFFERINGS IN GERMAN

#### 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. FOURTH-QUARTER GERMAN.** A continuation of German 112. *Prerequisite: German 112 or a satisfactory score on a placement test.*  
Full Course (4)
- 121. FIFTH-QUARTER GERMAN.** A continuation of German 120. *Prerequisite: German 120 or a satisfactory score on a placement test.*  
Full Course (4)
- 122. SIXTH-QUARTER GERMAN.** A continuation of German 121. *Prerequisite: German 121 or a satisfactory score on a placement test.*  
Full Course (4)
- 130. CONVERSATIONAL GERMAN.** An activity course focusing on progressive exercises for building speaking proficiency. *Prerequisite: One year of college German or equivalent.*  
Full Course (4)

**HEALTH AND PHYSICAL EDUCATION**  
**COURSE OFFERINGS**

**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)

**101. BASIC STUDIES ACTIVITIES IN PHYSICAL EDUCATION.** *Two hours of activity per week.*

One-Eighth Course (1/2)\*

**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.*

One-Half Course (2)

**150. INTERCOLLEGIATE AND EXTRAMURAL ATHLETICS.** Instruction and participation in selected individual and team sports comprising the intercollegiate and extramural athletic programs. This course will not satisfy the general education requirement. *Prerequisite: Consent of the instructor.*

One-Fourth Course (1)\*

---

\* Repeatable Course

## HISTORY

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

#### Lower Division

History 110-111. History of Civilization

#### Upper Division

History 210. Seminar in Historical Study

Eight additional courses in history,\* of which:

No more than four may be in one area (i.e., Europe, United States, Asia, Latin America), and

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

### COURSE OFFERINGS IN HISTORY

#### Lower Division

**100. BASIC STUDIES HISTORY.** An introduction to historical understanding and interpretation, including analysis of the various forces and circumstances which produce historical developments and of the means by which historians evaluate causes and effects. This process is illustrated by a study of major themes in the history of the American people, and the interaction of forces contributing to an American culture. *Meets State requirement in U.S. history. Three hours of lecture and one hour of group discussion per week.*

Full Course (4)

**110. HISTORY OF CIVILIZATION.** A study of the institutions and ideas of man from ancient times to the close of the fourteenth century. The context of the development of civilization is used to demonstrate the nature of historical inquiry and its role in reconstructing man's past.

Full Course (4)

**111. HISTORY OF CIVILIZATION.** The development of civilization in modern times. Traces the growth and expansion of European institutions and the interaction of western civilization with non-European cultures in the nineteenth and twentieth centuries.

Full Course (4)

#### Upper Division

**210. SEMINAR IN HISTORICAL STUDY.** An undergraduate seminar in historical method and bibliography, including a consideration of the problems of historical interpretation and philosophy as expressed by major historians.

Full Course (4)

\* One of the following courses may also be included as part of the major: Economics 215 or Economics 216.

**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)

**222. THE MEDIEVAL WORLD.** The history of Europe from the decline of the Roman Empire through the Renaissance. Studies the development of medieval institutions, including feudalism and the Church, and traces the rise of the city and the growth of capitalism.

Full Course (4)

**224. EARLY MODERN EUROPE.** The political, economic and intellectual foundations of modern Europe from the Renaissance to the Congress of Vienna. Includes the age of the Reformation, the development of nation states, and the era of the French Revolution.

Full Course (4)

**226. NINETEENTH CENTURY EUROPE.** The development of Europe from the age of Metternich to the outbreak of World War I. Emphasis on such major themes as: reaction and revolution; the idea of progress, nationalism and imperialism; the background to world conflict.

Full Course (4)

**228. TWENTIETH CENTURY EUROPE.** A study of the political, economic and intellectual effects of two world wars on European institutions. The rise of totalitarian movements, attempts at collective security, and the problems of the post-World War II period.

Full Course (4)

**230. ENGLAND TO 1688.** The history of England from earliest times to 1688. A consideration of the political, intellectual, and economic aspects of Anglo-Saxon, Norman, medieval, Tudor, and Stuart England.

Full Course (4)

**232. ENGLAND FROM 1688.** The history of England from 1688 to the present. A study of modern England, including such major themes as the Industrial Revolution, reaction and reform in the nineteenth century, imperialism, and Socialist Britain.

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. HISTORY OF RUSSIA.** A study of Russia and the Soviet Union during the nineteenth and twentieth centuries. The development of Russian thought and institutions, and an evaluation of the changes brought about by the revolutionary era.

Full Course (4)

**240. UNITED STATES: COLONIAL PERIOD.** The founding and expansion of the colonial settlements in North America to 1789. The adaptation of European institutions to a new environment, and the course of imperial conflict leading to independence and the formation of Union.

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)

**248. UNITED STATES: RECENT PERIOD.** Major developments in American life and institutions since World War I. Includes a consideration of the problems of prosperity and depression; the effects of two world wars; and new responsibilities in the nuclear age.

Full Course (4)

**250. DIPLOMATIC HISTORY OF THE UNITED STATES.** A study of the evolution of American foreign relations from the time of the Revolution to the present. Emphasis is given to major policies which have guided its formulation and execution, such as neutrality, isolation, the Monroe Doctrine, and the Open Door.

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)

**254. HISTORY OF THE AFRO-AMERICAN.** A survey of Afro-American history from African origins 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.

Full Course (4)

**256. HISTORY OF THE MEXICAN-AMERICAN.** 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)

**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)

**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)

**270. ASIA TO 1600.** A survey of the traditional cultures of China, Japan, and India, including the political, economic, and intellectual developments from the earliest times.

Full Course (4)

**272. ASIA FROM 1600.** A survey of modern developments in China, Japan, and India with emphasis on cultural developments, the impact of the West, and the role of Asia in recent times.

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)

**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 inter-departmental in nature, provided the focus of concern is historical; for example, Special Topics in History: Revolutions.

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

## 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

†Mathematics 110-112. Differential and Integral Calculus I, II

†Mathematics 160. Introduction to Data Processing

#### Upper Division

##### A. Required Courses

English 210. Introduction to Linguistics

Philosophy 240. Symbolic Logic

†Mathematics 250. Probability and Statistics I

†Mathematics 260. Computational Methods *or*

†Mathematics 162. Data Processing Systems

##### B. Either one of the following pairs of courses:

†Economics 250-251. Quantitative Economic Analysis I, II

†Mathematics 266-268. Numerical Analysis I, II

##### C. One other upper division course, relevant to the program and approved by the adviser. Examples of possible courses are:

†Economics 255. Theory and Use of Business Accounting

†English 216. Linguistic Analysis

##### D. One course (or two half-courses) in a directed project or in research utilizing information systems, normally in the departmental area of interest to the student.

##### E. The senior seminar in Information Systems.

## COURSE OFFERING

#### Upper Division

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

Full Course (4)

† Consult course description for prerequisite



## 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 from the School of Humanities and Fine Arts.  
Examples of courses which would apply are:  
†Spanish 231. Techniques of Literary Study II \*  
Spanish 251. Contemporary Hispanic Culture: Latin America \*  
Art. 260. Latin American Art  
Independent Studies selected with approval of adviser (4-8 units)
- B. Three courses from School of Social and Behavioral Science selected from such courses as:  
Geography 264. Geography of Latin America  
History 260. Latin America: Colonial Period  
History 262. Latin America: National Period  
Political Science 243. Political Behavior in Latin America.
- C. Two additional courses, selected with approval of the adviser, from the above lists or from Spanish or Portuguese language.
- D. The senior seminar in this field.  
Two or more years of college-level study of Spanish or Portuguese language is recommended. (Spanish is now offered by the college; Portuguese is not yet offered).

### 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)

\* If these courses are taken to fulfill requirements for the departmental field of Spanish, they may not be counted again in the interdepartmental field.

## 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. Three core courses in linguistics:
  - †English 216. Linguistic Analysis
  - †English 217. Phonology
  - †English 218. Introduction to Historical Linguistics
- B. One additional course in linguistics selected by advisement from the following:
  - English/French/Spanish 210. Introduction to Linguistics

Note: If this course has been included in a departmental major, it cannot be counted again to satisfy this requirement.

Any of the structure courses, such as:

  - †English 214. The Structure of English
  - †French 211. The Structure of French
  - †Spanish 211. The Structure of Spanish
  - †English 213. The History of English
  - †English 215. The History of Linguistics Science
  - †English 219. Psycholinguistics
  - †English 294. Seminar: Special Topics in Linguistics
- C. One course from the School of Humanities and Fine Arts selected from the following:
  - Philosophy 240. Symbolic Logic
  - †English 280. Stylistics
  - †English 281. Semantics

With adviser's approval, upper division courses in any language other than the student's native language or departmental field of concentration.
- D. One course from the School of Social and Behavioral Sciences selected from the following:
  - Anthropology 212. Language and Culture
  - Psychology 210. Motivation and Learning
  - †Psychology 282. Seminar in Cognitive Psychology
- E. Any two additional courses from B, C, or D above.
- F. †Linguistics 290. Seminar in Linguistics.

Note: Proficiency in at least one foreign language is strongly recommended.

† Consult course description for prerequisite

## COURSE OFFERING

### *Upper Division*

**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)

## MATHEMATICS

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

#### Lower Division

- 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  
Biology 102. Basic Studies Biology *or*  
Biology 110. Principles of Biology

#### Upper Division

- Mathematics 212-214. Advanced Analysis  
Mathematics 220-222. Functions of Complex Variables  
Mathematics 230. Linear Algebra  
Mathematics 232. Abstract Algebra

Two courses selected from:

- Mathematics 224-226. Functions of a Real Variable  
Mathematics 240-242. Topology  
Mathematics 250-252. Probability and Statistics I, II  
Mathematics 295. Selected Topics in Mathematics

### COURSE OFFERINGS IN MATHEMATICS

#### Lower Division

**010. ALGEBRA AND TRIGONOMETRY.** A course in algebra and trigonometry for students who do not meet the prerequisites for Mathematics 110 or Mathematics 150 or Mathematics 160.

Full Course (4)

**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; and elementary concepts of calculus.

Full Course (4)

**110. DIFFERENTIAL AND INTEGRAL CALCULUS I.** Functions, introduction to the concepts of derivative and integral, analytic geometry, vectors in the plane. *Prerequisite: Mathematics 010 or two years of high school algebra and one semester of high school trigonometry.*

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 on an elementary college level in statistics and probability. *Three hours of classroom and two hours of laboratory work per week. Prerequisite: Mathematics 010 or one year of high school algebra.*

Full Course (4)

**152. STATISTICAL ANALYSIS AND CORRELATION.** Selected topics in statistical analysis and correlation. *Prerequisite: Mathematics 150.*

Full Course (4)

**160. INTRODUCTION TO DATA PROCESSING.** A practical course in the principles and the practices of modern methods of data processing, including some work with computing equipment of varying degrees of complexity. *Prerequisite: Mathematics 010 or two years of high school algebra.*

Full Course (4)

**162. DATA PROCESSING SYSTEMS.** Philosophies and concepts of current state-of-art computer software, its uses and its design. Programming systems, such as compilers, assemblers, list processors and program generators; system programming including supervisors, background processing techniques and time sharing; input-output systems including remote access (batch and conversational), random processing and hybrid systems. *Prerequisite: Mathematics 160.*

Full Course (4)

### Upper Division

**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, continuous and differentiable functions. *Prerequisite: Mathematics 116, Mathematics 230.*

Full Course (4)

**214. ADVANCED ANALYSIS.** The Riemann-Stieltjes integral, sequences and series of functions, uniform convergence, power series, Fourier series. *Prerequisite: Mathematics 212.*

Full Course (4)

**220. FUNCTIONS OF COMPLEX VARIABLES.** Complex numbers; point sets, sequences, and mappings; analytic functions; elementary functions; and integration. *Prerequisite: Mathematics 214.*

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 114.*  
Full Course (4)
- 232. ABSTRACT ALGEBRA.** Basic theory of groups, rings, integral domains, fields and related results. *Prerequisite: Mathematics 114.*  
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 116.*  
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; random variables and their distributions; limit theorems; topics in statistical inference. *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)

**294. COLLOQUIUM IN MATHEMATICS.** A weekly reporting and discussion period for new and advanced topics in mathematics; involves journal reading. Open to students majoring in mathematics and the sciences.

One-Fourth Course (1)\*

**295. SELECTED TOPICS IN MATHEMATICS.** *Prerequisite: Consent of instructor.*

One-Half Course (2)\* or 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 213. Counterpoint

Music 214. Instrumentation

Music 215. Composition

Music 216. Medieval and Renaissance Music

Music 217. Baroque and Classical Music

Music 218. Romantic and Modern Music

Candidates for the B.A. with the departmental field in music must also:

- a. Meet the requirements of the School of Humanities and Fine Arts, listed on page 29.
- b. Demonstrate a minimal level of competency on the piano.
- c. Participate in one of the college's performing groups during each quarter in residence following declaration of candidacy for the degree.
- d. All music majors are expected to earn 12 credits of applied music in the following pattern: 1 credit for Music 190, 4 credits in either Music 180 or Music 192, and 7 credits in their major performing area of interest.

### 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. *Two hours of lecture and two hours of small group discussion per week.*

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. VOCAL ENSEMBLE.** Performance of the outstanding vocal literature of all periods. *Three hours per week plus additional work by arrangement.*

One-Fourth Course (1)\*

**181. CLASS VOICE.** A small class, along with private lessons when appropriate, for the study of the literature and techniques of the solo song. *Two hours per week.*

One-Fourth Course (1)\*

**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. INSTRUMENTAL ENSEMBLE.** Study, rehearsal, and performance in concert of instrumental music from all periods. *Three hours per week.*

One-Fourth Course (1)\*

### Upper Division

**210. ADVANCED MUSIC THEORY I.** A continuation and deepening of the Music 110-111-112 sequence. More complex harmonic, linear, and rhythmic functions in music drawn from Baroque, Classical, and Romantic periods. *Prerequisite: Music 112.*

Full Course (4)

**211. ADVANCED MUSIC THEORY II.** Examination of the problem of chromatic harmony drawn from the works of such composers as Wagner, Strauss, Mahler, Debussy, and Ravel. *Prerequisite: Music 210.*

Full Course (4)

**212. ADVANCED MUSIC THEORY III.** Introduction to the techniques of the modern and contemporary period, emphasizing such tonality-extending devices as quartal and quintal harmony, modality, pandiatonicism, pantonality, and atonality. *Prerequisite: Music 211.*

Full Course (4)

**213. COUNTERPOINT.** Basic contrapuntal principles as found in the outstanding "linear" periods of music history. Exercises in a modal, tonal, and modern style will be used. *Prerequisite: Music 112.*

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 in mixed ensembles, will be examined and written for. *Prerequisite: Music 213.*

Full Course (4)

\* Repeatable Course

**215. COMPOSITION.** A synthesis of the various theoretical courses studied so far. Student-composed works, in the simpler forms, for small groups will be played and discussed. *Prerequisite: Music 214.*

Full Course (4)

**216. MEDIEVAL AND RENAISSANCE MUSIC.** An exploration of the development of music from the Medieval Period to Renaissance. Styles of music will be studied to uncover the various musical, aesthetic, and social determinants underlying the musical literature. *Prerequisite: Music 215.*

Full Course (4)

**217. BAROQUE AND CLASSICAL MUSIC.** A continuation of Music 216. *Prerequisite: Music 216.*

Full Course (4)

**218. ROMANTIC AND MODERN MUSIC.** A continuation of Music 217. *Prerequisite: Music 217.*

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)

**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 study of opera, ballet music, and musical comedy. Whenever feasible, this course will include consideration of current productions of the drama workshop.

Full Course (4)

**255. MUSIC OF CHINA AND JAPAN.** An introduction to the musical cultures of China and Japan with emphasis on their instruments and musical system; relationships of the music to the social and intellectual milieu.

Full Course (4)

**270. TWENTIETH CENTURY COMPOSERS: THEIR WRITINGS AND THEIR MUSIC.** An interdisciplinary course examining some of the outstanding documents of twentieth century composers (such as the books of Stravinsky, Schönberg, Bartok, and Ives) to increase understanding of their ideas and music. *Prerequisite: Music 100 or equivalent or consent of instructor.*

Full Course (4)

## PHILOSOPHY

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

#### *Lower Division*

Philosophy 110. Language, Logic, and Truth

#### *Upper Division*

A. Seven courses selected upon advisement from the following:

- Philosophy 215. Ethics
- Philosophy 220. Aesthetics
- Philosophy 230. The Nature of Scientific and Humanistic Inquiry
- Philosophy 231. Social and Political Philosophy
- Philosophy 240. Symbolic Logic
- Philosophy 250. Epistemology
- Philosophy 260. Selected Works in Existentialist Thought
- Philosophy 270. Philosophy in the Modern World
- Philosophy 271. Analytic Philosophy
- Philosophy 280. Philosophy of Religion
- Philosophy 285. Philosophies of Eastern Civilization

B. Philosophy 295. Seminar: Problems in the History of Philosophy

C. Philosophy 298. Independent Study

### COURSE OFFERINGS IN PHILOSOPHY

#### *Lower Division*

**110. LANGUAGE, LOGIC, AND TRUTH.** Practice in the analysis of fundamental problems relating to language and logic and the meaning of "truth" in the world of the logician.

Full Course (4)

#### *Upper Division*

**200. BASIC STUDIES PHILOSOPHY.** Analysis through the study of philosophic masterpieces of a single key concept in philosophic thought, e.g., the concept of freedom.

Full Course (4)

**215. ETHICS.** Ethics approached from the standpoint of its relation to the sciences of man, especially anthropology and social psychology.

Full Course (4)

**220. AESTHETICS.** A review of basic questions about the existence and nature of the aesthetic object (and the experience such objects engender) with readings representing major positions on these questions.

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)
- 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)
- 250. EPISTEMOLOGY.** Theories of knowing, approached from the standpoint of their relation to psychology and the relevant behavioral sciences.  
Full Course (4)
- 260. SELECTED WORKS IN EXISTENTIALIST THOUGHT.** Intensive analysis of a small number of works of the major continental existentialist thinkers.  
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)
- 280. PHILOSOPHY OF RELIGION.** Inquiry into religious thought of western civilization on the interrelationship of God, man, the world, and human value.  
Full Course (4)
- 285. PHILOSOPHIES OF EASTERN CIVILIZATION.** A comparative study of Indian, Chinese and Japanese philosophies.  
Full Course (4)
- 295. SEMINAR: PROBLEMS IN THE HISTORY OF PHILOSOPHY.** Intensive study of a single problem, e.g., epistemology from Descartes to Kant or dialectic from Hegel to Marx. *Prerequisite: Senior standing or consent of instructor.*  
Full Course (4)
- 297. DIRECTED RESEARCH.** Preparation of the bachelor's paper. *Prerequisite: Senior standing and consent of instructor.*  
Full Course (4)
- 298. INDEPENDENT STUDY.** Preparation for the comprehensive examination. Individual readings and reports. *Prerequisite: Senior standing and consent of the department head.*  
Full Course (4)

## PHYSICS

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

#### Lower Division

- Mathematics 110-112-114-116. Differential and Integral Calculus I, II, III, IV  
Physics 110-112-114. General Physics  
Physics 116. Introductory Modern Physics  
Chemistry 110-112-114. General and Quantitative Chemistry  
Biology 102. Basic Studies Biology *or*  
Biology 110. Principles of Biology

#### Upper Division

- Physics 210-212. Theoretical Mechanics I, II  
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

### COURSE OFFERINGS IN PHYSICS

#### Lower Division

**102. BASIC STUDIES PHYSICS.** Discussion of basic concepts of electricity and magnetism, light, and topics in modern physics. *Three hours of lecture and one hour of group discussion per week. Prerequisite: Chemistry 100 and Mathematics 100.*

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, Ampere's law, Faraday's law. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Physics 110.*

Full Course (4)

**116. INTRODUCTORY MODERN PHYSICS.** Relativity theory, selected topics in atomic, nuclear, and solid state physics. *Prerequisite: Physics 110.*

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: Three lower division Basic Studies science courses, or Chemistry 114.*

Full Course (4)

### Upper Division

**200. BASIC STUDIES EARTH AND SPACE SCIENCES.** Problems in and application of the basic concepts of the physical and biological sciences to the expansion of knowledge in geology, oceanography, meteorology and astronomy. *Prerequisite: Chemistry 102 and Physics 102.*

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)

**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. An emphasis on the fundamental limitations of such instruments. *Six hours of laboratory per week. Prerequisite: 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. Optical windows in the atmosphere; reflectivity of ultraviolet and infrared radiations by clouds; electron and proton concentration throughout free space; ionization and the Van Allen belts, and other information affecting interplanetary communication and travel. *Three hours of lecture and three hours of laboratory per week. 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)

**260. QUANTUM MECHANICS.** Postulates, derivations of important theorems, and simple applications of quantum theory. *Prerequisite: Physics 116 and Physics 210.*

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

Mathematics 150. Elementary Statistics and Probability  
Political Science 110. Introduction to Government

#### Upper Division

Political Science 250. History of Political Ideas  
Political Science 251. Modern Political Thought  
Political Science 295. Seminar in Political Science

Six additional courses in political science, which must include at least one course in each of the following areas:

American government and politics  
Comparative government  
Constitutional law  
International relations

### COURSE OFFERINGS IN POLITICAL SCIENCE

#### Lower Division

**100. BASIC STUDIES POLITICAL SCIENCE.** A study of contemporary political institutions, with emphasis on the philosophy, structure and behavior of the American political system, including the State of California. *Meets State requirement in U.S. Constitution and California State and local government. Three hours of lecture and one hour of group discussion per week.*

Full Course (4)

**110. INTRODUCTION TO GOVERNMENT.** An introduction to the principles and practices of government as a fundamental social institution. Includes an examination of the political ideology and structure of selected foreign governments. *Three hours of lecture and one hour of group discussion per week.*

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)

**214. AMERICAN POLITICAL PARTIES AND ELECTIONS.** A study of the dynamics of American political behavior, including the legal regulation of parties and of elections. Voting behavior and public opinion will be analyzed. Political party organization, membership, and leadership will be studied in the context of the contemporary political scene.

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)
- 222. 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)
- 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)
- 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)
- 243. POLITICAL BEHAVIOR IN LATIN AMERICA.** Analysis of political and cultural behavior in Latin America, focusing on civil-military and church-state relationships and political behavior and on the role of intellectuals, university students, labor, business, and bureaucratic groups.  
Full Course (4)
- 248. THE POLITICS OF THE 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)
- 250. HISTORY OF POLITICAL IDEAS.** A critical analysis of the major political philosophers and schools of thought from Plato to the sixteenth century. Study will include 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 are examined critically.  
Full Course (4)

**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)

**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)

## PSYCHOLOGY

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

#### Lower Division

- Mathematics 150. Elementary Statistics and Probability  
Psychology 125. Introduction to Research Methods

#### Upper Division

- A. Two courses to provide research experience in different content areas of psychology. Select from the following:  
Psychology 210. Motivation and Learning  
Psychology 211. Sensation and Perception  
Psychology 217. Neuropsychology  
Psychology 218. Comparative Psychology  
Psychology 261. Research in Personality
- B. One course that places major emphasis on personal, interpersonal, or applied aspects of psychology. Select from the following:  
Psychology 220. Developmental Psychology  
Psychology 240. Social Psychology  
Psychology 260. Theories of Personality  
Psychology 263. The Abnormal Personality  
Psychology 265. Counseling Theory
- C. One course to provide a foundation in the quantitative methods of psychology. Select from the following:  
Psychology 250. Measurement in Psychology  
Psychology 251. Behavioral Statistics and Research Design
- D. Psychology 225. History and Systems of Psychology
- E. Three additional courses in the department, chosen in consultation with the student's adviser (may include courses not chosen in A, B, and C above). One course in a field allied to psychology such as anthropology, biology, linguistics, mathematics, and sociology may be substituted for the elective courses in the major provided that the student clearly establishes the relationship of the substituted course to his program.
- F. Psychology 295 and 296. Seminars in Psychology

### 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. *Three hours of lecture and one hour of group discussion per week.*

Full Course (4)

**120. MAJOR TRENDS AND EXPERIMENTS IN PSYCHOLOGY.** An examination of the outstanding developments in psychology through study and discussions of selected writings from such leaders as Binet, Freud, Hall, Terman, James, Dewey, and others.

Full Course (4)

**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: Mathematics 150.*

Note: Students are encouraged to take this course as early in their program as possible.

Full Course (4)

### Upper Division

**210. MOTIVATION AND LEARNING.** A study of human and animal motivation, learning, and problem-solving. The development of communication will be examined. Field and laboratory studies. *Three hours of lecture and three hours of laboratory per week, with field observation by arrangement.*

Full Course (4)

**211. 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: Mathematics 150 and Psychology 125.*

Full Course (4)

**217. NEUROPSYCHOLOGY.** The study of the neurophysiological mechanisms of human and animal behavior. The anatomy and physiology and the central and peripheral nervous systems are reviewed and discussed relative to specific problems in psychology. *Two hours of lecture and six hours of laboratory per week. Prerequisite: 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: Mathematics 150 and Psychology 125.*

Full Course (4)

**220. DEVELOPMENTAL PSYCHOLOGY.** The intellectual, psychological, and social development of the child from birth to young adulthood. *Three hours of lecture per week, with field work by arrangement.*

Full Course (4)

**225. 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)

**240. SOCIAL PSYCHOLOGY.** The analysis of the psychological bases for social behavior, individual and group. Study of contemporary social issues. Jointly offered by the faculties in psychology and sociology.

Full Course (4)

**250. MEASUREMENT IN PSYCHOLOGY.** Application of measurement techniques to problems in psychology and education. Discussion of reliability, validity, test construction and selection, item analysis, and correlation techniques. Laboratory experience in the administration, scoring, and interpretation of group measures of intelligence, aptitude, achievement, and personality. *Three hours of lecture and discussion and two hours of laboratory per week. Prerequisite: Mathematics 150 or consent of instructor.*

Full Course (4)

**251. 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, multi-variate 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)

**260. THEORIES OF PERSONALITY.** A study of basic theories of personality including type theories; trait theories; psychoanalytic, learning, biosocial, self, and holistic-integrative theories. The study of personality theory will assist students in gaining a richer understanding of themselves in relation to their fellow human beings.

Full Course (4)

**261. RESEARCH IN PERSONALITY.** Personality as a field of research with emphasis on research methods and findings. Laboratory experience will emphasize the measurement and study of attitudes and values. *Three hours of lecture and discussion and three hours of laboratory per week. Prerequisite: Mathematics 150 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 field work 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 field work by arrangement.*

Full Course (4)

**282. 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: Psychology 210 or consent of instructor.*

Full Course (4)

**295. SENIOR SEMINAR IN PSYCHOLOGY.** A seminar designed to integrate previous course work and experience through exploration of psychological problems selected in consultation with an adviser. Initiation of senior research paper based upon a library, field, or laboratory study. *Prerequisite: Senior standing and consent of instructor.*

Note: Credit deferred until completion of Psychology 296.

One-Half Course (2)

**296. SENIOR SEMINAR IN PSYCHOLOGY.** Continued exploration of the problem selected in Psychology 295, and completion of the senior research paper. *Prerequisite: Psychology 295.*

One-Half Course (2)

**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. STUDIES IN APPLICATIONS OF LEARNING THEORIES.** Consideration of relevance in selected learning theories to the special interest field. Emphasis on current research studies. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

**420. STUDIES IN DIFFERENTIAL PSYCHOLOGY.** Readings, discussions and research projects concerning the dimensions and significance of human individual differences. Research, measurement techniques, and theories in differential psychology will be critically reviewed. *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)

**450. 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)

\* Repeatable Course

**452. 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)

## SOCIOLOGY

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

#### Lower Division

- Mathematics 150. Elementary Statistics and Probability
- 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 from among the following:

- Sociology 206, 210, 211, 212, 215, 220, 235, 250, 260, 265, 298;
- Psychology 240.

### COURSE OFFERINGS IN SOCIOLOGY

#### Lower Division

**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)

**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 is 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

**200. 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.<sup>1</sup>

Full Course (4)

**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: Mathematics 150 or equivalent.*

Full Course (4)

<sup>1</sup> Sociology majors should take Anthropology 200 to meet Basic Studies requirement.



**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: 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.** Forms and processes of contemporary social organizations and institutions. Dynamics of organizational and institutional change. Systems approach to the study of social organization.

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)

**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)

**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)

**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)\*

**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 is on in-the-field research with one selected population, institution, or agency. Student is expected to complete a research project based upon field experiences. *Prerequisite: Sociology 205 or equivalent.*

One-Half Course (2)

**255. MODERN SOCIOLOGICAL THEORIES.** Analysis of contemporary sociological theories with attention to historical origins. Relationship of theory to research; theory construction.

Full Course (4)

\* Repeatable Course

**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)

**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)

## SPANISH

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

#### Lower Division

- Spanish 110-111-112. First, Second, and Third Quarter Spanish  
Spanish 120-121-122. Fourth, Fifth, and Sixth 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 210. Introduction to Linguistics  
Spanish 211. The Structure of Spanish  
Spanish 230-231. Techniques of Literary Study I, II  
Spanish 232. Explicacion de Textos (or a special topics course in linguistics as advised)  
Spanish 250. Contemporary Hispanic Culture: Spain  
Spanish 251. Contemporary Hispanic Culture: Latin America  
Spanish 297. Directed Research  
Spanish 298. Independent Study

The B.A. candidate in Spanish is required, as part of his comprehensive examination for the bachelor's degree, to demonstrate proficiency in audio-lingual and reading-writing skills, to show understanding of the contemporary cultures of Spain and of Latin America, and to show knowledge of major developments in Spanish and Latin-American literature.

### COURSE OFFERINGS IN SPANISH

All courses, except 210, 211 and 214, are conducted in Spanish.

#### Lower Division

- 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. *Prerequisite:* Spanish 112 or a satisfactory score on a placement test.  
Full Course (4)

**121. FIFTH-QUARTER SPANISH.** A continuation of Spanish 120. *Prerequisite: Spanish 120 or a satisfactory score on a placement test.*  
Full Course (4)

**122. SIXTH-QUARTER SPANISH.** A continuation of Spanish 121. *Prerequisite: Spanish 121 or a satisfactory score on a 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. DRAMA WORKSHOP.** An activity course open to all students who can understand Spanish and have minimal speaking proficiency. *Three hours per week plus additional work by arrangement.*  
One-Half Course (2)\*

### Upper Division

**210. INTRODUCTION TO LINGUISTICS.** A beginning course in the descriptive and historical study of language; phonological, morphological, and syntactic systems; usage; dialect study. (Same as English 210 and French 210.)  
Full Course (4)

**211. THE STRUCTURE OF SPANISH.** A linguistic analysis of the phonological and syntactic systems of the Spanish language. *Prerequisite: Spanish 210.*  
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.*  
Full Course (4)

**230. TECHNIQUES OF LITERARY STUDY I.** An introduction to the basic principles and techniques used in studying works of literature. Selection will be made from Spanish and Latin-American works of fiction, drama, and poetry. *Prerequisite: Two years of college Spanish or equivalent.*  
Full Course (4)

**231. TECHNIQUES OF LITERARY STUDY II.** A continuation of Spanish 230 with emphasis on the Spanish essay. *Prerequisite: Spanish 230.*  
Full Course (4)

**232. EXPLICACION DE TEXTOS.** Practice in the explication of literary texts selected from Spanish and Latin-American writers. *Prerequisite: Spanish 231.*  
Full Course (4)

**250. CONTEMPORARY HISPANIC CULTURE: SPAIN.** An area studies course focusing on patterns of culture in contemporary Spain.  
Full Course (4)

**251. CONTEMPORARY HISPANIC CULTURE: LATIN AMERICA.** An area studies course focusing on patterns of culture in contemporary Latin America.  
Full Course (4)

**297. DIRECTED RESEARCH.** Preparation of the bachelor's paper. *Prerequisite: Senior standing and consent of the department head.*  
Full Course (4)

\* Repeatable Course

**298. INDEPENDENT STUDY.** Preparation for the B.A. comprehensive examination.  
*Prerequisite: Senior standing and consent of the department head.*

Full Course (4)

## THEATER ARTS

### An Interdepartmental Field of Concentration

This interdepartmental field is designed to give strong emphasis to the literature and history of the theater as well as to outstanding critical theories of drama. An introduction to the technique and mechanics of the theater is included, as well as courses dealing with human personality and the social and culture matrix that influences theatrical art.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN THEATER ARTS

#### Lower Division

No lower division courses are required; however recommended electives include such courses as English 120, Drama Workshop, and English 131, Understanding Drama.

#### Upper Division

A. Five courses from the School of Humanities and Fine Arts selected from the following:

†English 246. Dramatic Theory and Criticism

English 261. History of the Theater I

English 262. History of the Theater II

English 263. History of the Theater III

†English 267. Shakespeare

English 269. Contemporary Theater

B. One course from the following:

Philosophy 220. Aesthetics

Philosophy 260. Selected Works in Existentialist Thought

Philosophy 270. Philosophy in the Modern World

Music 253. Music for the Theater

C. One course from the Social and Behavioral Sciences selected from the following:

Political Science 250. History of Political Ideas

Psychology 240. Social Psychology

Psychology 260. Theories of Personality

D. Two one-half courses in Drama Workshop, English 220.

E. The senior seminar in this field:

†Theater Arts 290. Seminar in Theater Arts

Note: Additional experience in drama workshop and other courses in dramatic literature and theory are recommended as electives. Consult an adviser for suggestions.

### COURSE OFFERINGS

**290. SEMINAR IN THEATER ARTS.** An integrative seminar serving as a capstone to the interdepartmental major in theater 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 give the student a broad background in significant modern trends and developments in the humanities, the social sciences and natural science, and in many of the basic issues facing twentieth-century man.

### REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN TWENTIETH CENTURY THOUGHT AND EXPRESSION

#### Upper Division

- A. Three courses, selected from at least two different departments in the School of Humanities and Fine Arts:
- †Art 270. Twentieth Century Artists: Their Writings and Their Art
  - English 269. Contemporary Theater
  - English 270. Twentieth Century Experiments in Literary Form
  - †English 275. Modern Social and Political Fiction
  - †Music 270. Twentieth Century Composers: Their Writings and Their Music
  - Philosophy 270. Philosophy in the Modern World
  - Philosophy 260. Selected Works in Existentialist Thought
- B. Three courses, selected from at least two different departments in the School of Social and Behavioral Sciences:
- Economics 260. Management in Theory and Practice
  - Economics 285. Economics Policy and Social Values
  - History 228. Twentieth Century Europe
  - History 248. United States: Recent Period
  - Political Science 251. Modern Political Thought
  - Political Science 270. Public Opinion and Propaganda
  - Psychology 260. Theories of Personality
  - Sociology 215. Selected Contemporary Social Problems
  - Sociology 255. Modern Sociological Theories
- C. Two additional courses from outside the student's departmental major field.
- D. The senior seminar in this field.

### COURSE OFFERING

#### Upper Division

**290. SEMINAR IN TWENTIETH CENTURY THOUGHT AND EXPRESSION.** *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

† Consult course description for prerequisite

## URBAN STUDIES AND ENVIRONMENTAL DESIGN

### 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 AND ENVIRONMENTAL DESIGN

#### Lower Division

- †Mathematics 150. Elementary Statistics and Probability
- Art 175. Design Workshop
- Geography 115. Map and Aerial Photograph Interpretation
- Geography 150. Field Study in Geography

#### Upper Division

##### A. Required Courses:

- †Art 275. Environmental Design
- Sociology 270. Field Studies in Urban Problems

##### B. Four courses selected from among the following urban courses:

- Anthropology 220. Urban Anthropology
- Art 255. History of Urban Aesthetics
- †Economics 280. The 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

##### C. One upper division course relevant to the program approved by the adviser.

Examples of courses which might apply, in addition to those above:

- †Biology 232. Ecology
- †Economics 230. Labor and the American Economy
- †Geography 206. Quantitative Models and Map Analysis
- History 246. Emergence of Modern America
- Philosophy 270. Philosophy in the Modern World
- Political Science 270. Public Opinion and Propaganda
- Sociology 210. Social Stratification and Class
- Sociology 211. Social Organization
- Sociology 215. Selected Contemporary Social Problems
- Sociology 220. Population and Society

##### D. The senior seminar in this field.

† Consult course description for prerequisite

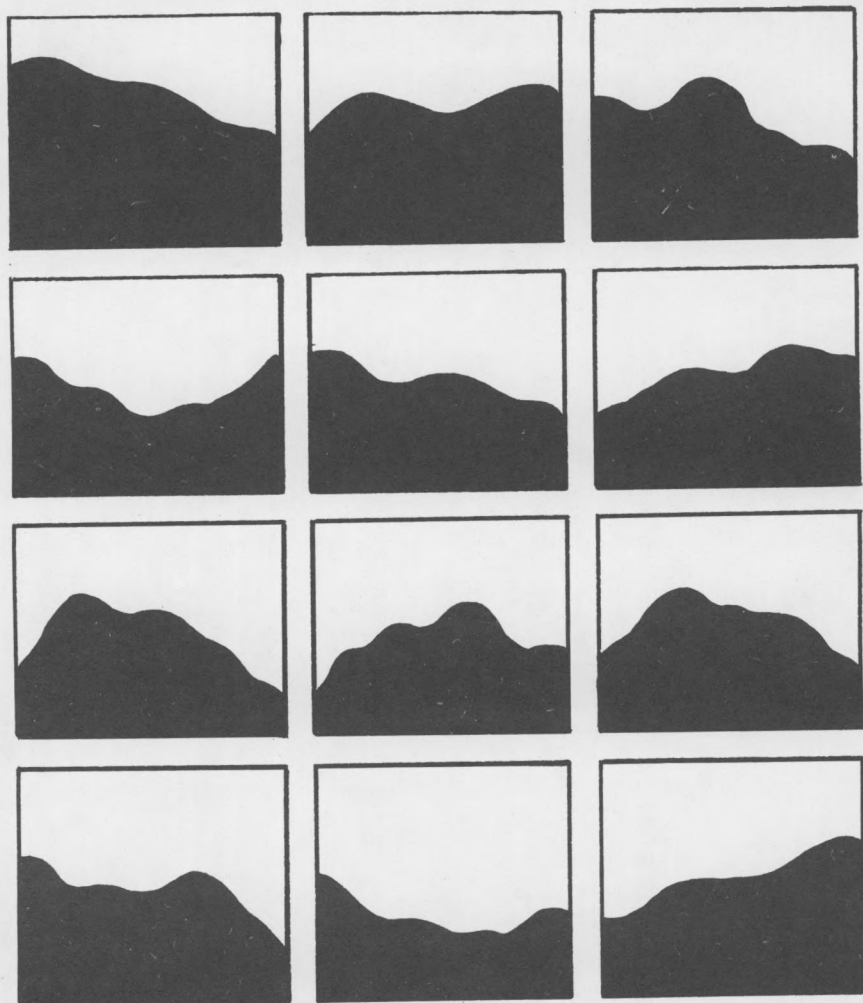


## COURSE OFFERING

### *Upper Division*

**290. SEMINAR IN URBAN STUDIES AND ENVIRONMENTAL DESIGN.** 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)



ADMISSION TO THE COLLEGE,  
ADVISEMENT, AND REGISTRATION

## 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.

The periods for filing applications for admission for each of the three quarters are:

Fall Quarter:	January 4–July 1
Winter Quarter:	September 15–November 14
Spring Quarter:	November 3–February 9

Students who file applications on or before the last day of an application period, but after the enrollment quotas at this college are filled, will be notified of enrollment opportunities at other state colleges if they so desire.

Application forms will be provided upon request by mail or in person from:

Office of Admissions  
California State College, Dominguez Hills  
1000 East Victoria  
Dominguez Hills, California 90247

### 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* as amended by the Board of Trustees of the California State Colleges on January 21, 1965. 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.

### FRESHMAN ADMISSION REQUIREMENTS

An applicant who has had no college work 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.

#### *California High School Graduates and Residents*

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 (SAT) or composite (ACT) score which provides an eligibility index placing him among the upper one-third of California high school graduates.

For 1969-70 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. The grade-point average is based upon 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.

The table presented below does not cover every case, but gives several examples of the test score needed with a given grade-point average to be eligible for admission.

<b>Grade-Point Average</b>	<b>SAT/ACT Score Needed</b>
3.21 and above	Eligible with any score
2.80	832/19
2.40	1152/27
2.00	1472/35
1.99 and below	Not eligible

#### *Non-Residents Graduating From High Schools in Other States or Possessions*

An applicant who is a non-resident 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 for 1969-70. For 1969-70 the minimum eligibility index is 3402, using the Scholastic Aptitude Test, or 826, using the American College Test. Refer to previous section for calculation of eligibility index.

#### *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.

#### *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 Basic Studies, 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 who have attempted college work must qualify under one of the following provisions for admission. Submission of the results of either the Scholastic Aptitude Test or American College Test is required.

#### ***Applicants With 60 or More Semester Units***

An applicant who has completed 60 or more semester units or the equivalent will be eligible for admission if he has achieved a grade-point average of 2.0 (C) on all college work attempted and if he was in good standing at the last college attended.

#### ***Applicants With Fewer Than 60 Semester Units***

To be eligible for admission, an applicant who has completed fewer than 60 semester units or the equivalent must have a grade-point average of 2.0 (C) on all college work attempted and be in good standing at the last college attended. In addition, he must meet the requirements currently in effect for first-time freshmen; *or*, if he has been in full-time continuous enrollment at a college since his graduation from high school, he must meet the requirements in effect for first-time freshmen at the time of his high school graduation.

### *Allowance for Transfer Credit*

California State College, Dominguez Hills, is a liberal arts and sciences college. The maximum credit allowed by State law when transferring from a junior college is 105 quarter units (70 semester units).

The college allows transfer credit for appropriate college-level courses completed in extension or by correspondence of 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. Within this total, not more than half may be transferred from another college or university.

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. Military service may be used to fulfill the Health Education and Physical Education requirement.

### *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.

### *Other Applicants*

Only under the most unusual circumstances will an applicant not meeting either of the above provisions be considered for admission. Permission is granted only by special college action.

### *Redirection*

It is not always possible for the college to accommodate all qualified applicants. If an application is accepted and it later becomes evident that admission will not be possible, it and any supporting documents will, at the applicants request, be forwarded to any State College where space is still available. No additional application fee is required.

## **READMISSION**

A student who withdraws from the college and desires to be readmitted must file an application for readmission. He should consult the calendar for deadline dates for filing the readmission application. A \$10 application fee for readmission is required but may be waived under certain conditions.

## **EDUCATIONAL OPPORTUNITY PROGRAM**

Prospective students who cannot meet standard admission requirements may apply for admission into the Educational Opportunity Program (E.O.P.). Acceptance into E.O.P. 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.

## **APPLICATION FOR ADMISSION**

### **MAJOR STEPS**

(Detailed information on each step follows)

1. Submit completed Application for Admission, showing social security number, with the \$10 non-refundable application fee.
2. Have the high school of graduation send directly to the college a transcript of record.
3. Have each college (if any) send directly to the college a transcript of record.
4. Submit test scores.
5. Complete health forms and Residence Questionnaire.

### **APPLICATION FEE**

Every applicant for admission or readmission is required to pay a non-refundable fee of \$10 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.

#### **SOCIAL SECURITY ACCOUNT NUMBER**

Each applicant for admission is required to have a social security account number. This account number will be used as his permanent student identification number while enrolled at the college. Each applicant will record his social security account number on the application for admission; it is essential that the number is recorded accurately. This number will be verified at the time of registration.

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 must have a separate set of 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.

*Applicants who are prospective first-time freshmen must follow the procedures indicated here:*

1. A prospective first-time freshman must submit his application for admission *with transcripts* as early as possible in the application period for that quarter.
2. If he is currently enrolled in his last semester of high school, he must submit his application for admission with a *preliminary transcript* showing the complete record through the next-to-last semester before graduation and listing courses in progress during the final semester. At the end of the semester, the student must submit a final transcript showing the grades of the eighth semester and the granting of the high school diploma.
3. If he has graduated from high school, but has not attended any college-level institution since graduation, the prospective first-time



freshman should file an application for admission *with transcripts* as early as possible in the application period for that quarter.

*Applicants who are prospective transfer students must follow the procedures indicated here:*

1. A prospective transfer student must submit his application *with transcripts* as early as possible in the application period for that quarter.
2. The prospective transfer student who is currently enrolled at a college-level institution must request that institution, as well as all other institutions he may have attended (including high school), to send a transcript showing course work completed and work-in-progress directly to the Office of Admissions. At the end of his current enrollment, he must request a complete transcript showing grades and completion of work-in-progress.
3. A prospective transfer student who is not currently enrolled in course work at a college-level institution must request that each of the institutions which he previously attended (including high school) forward transcripts directly to the Office of Admissions.

#### ENTRANCE EXAMINATIONS

All undergraduate students 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 or the American College Test. The test must be taken after the completion of the eleventh grade.

Arrangements to take the test may be made by writing to one of the following two addresses:

College Entrance Examination Board  
Box 1026, Berkeley, California 94701

ACT Registration Unit  
P.O. Box 414  
Iowa City, Iowa 52240

*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 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 freshmen 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 the student with the application for admission.

### **RESIDENCE QUESTIONNAIRE**

A Residence Questionnaire indicating status of California residence must be completed prior to registration by each student enrolling at the college. Students in continuous residence are not required to complete a Residence Questionnaire after the initial filing. Any interruption in attendance requires a new Residence Questionnaire upon re-entrance. Students are held responsible for reporting any change in residence status to the Office of Admissions.

### **ADMISSION TO TEACHER EDUCATION PROGRAMS**

Students who wish to work toward a teaching credential at the California State College, Dominguez Hills, must be admitted not only to the college but also to the Teacher Education Programs.

To apply for admission to the college, students must:

1. Submit a completed Application for Admission, showing social security number, with the \$10 non-refundable application fee.
2. Have each college attended send directly to the California State College, Dominguez Hills, two copies of the transcript of record. All students are urged to have a personal set of transcripts for advising purposes.
3. Complete health forms and Residence Questionnaire.

The deadline date to apply for admission to the Teacher Education Programs is the end of the first month of the quarter prior to initiation of professional courses in Education. Specific information on Teacher Education Programs may be obtained from the Office of the Director.

## GRADUATE ADMISSION

### *Admission with Graduate Standing (Unclassified)*

An applicant who has earned a bachelor's degree or the equivalent from a fully accredited institution is qualified for admission to the college with unclassified graduate standing. Admission to California State College, Dominguez Hills, as an unclassified graduate student does not constitute admission to a graduate degree curriculum.

### *Application and Fee*

All prospective graduate students must submit a completed Application for Admission, showing social security number, with the \$10 non-refundable application fee. This should be done as early as possible in the application period.

### *Transcripts*

If a prospective unclassified graduate student 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 send a copy of his transcript showing degree and date it was granted.

### *Admission to Graduate Degree Curricula (Classified)*

A student who has been admitted to California State College, Dominguez Hills, as an unclassified graduate student may be admitted to a graduate degree curriculum as a classified graduate student if he satisfactorily meets the professional, personal, scholastic and other standards for graduate study, including qualifying examinations.

Only those applicants who show promise of success and fitness will be admitted to graduate degree curricula, and only those who continue to demonstrate a satisfactory level of scholastic competence and fitness shall be eligible to continue in such curricula. Students whose performance in a graduate degree curriculum is judged to be unsatisfactory by the college may be required to withdraw from all graduate degree curricula.

### **Test**

A graduate student who applies for classified status is required to submit results of the Graduate Record Examination.

### **Transcripts**

Also, he must have *two* copies of transcripts from *all* institutions of higher learning he has attended sent to the California State College, Dominguez Hills.

## ACADEMIC ADVISEMENT AND REGISTRATION

### ACADEMIC ADVISEMENT

At the California State College, Dominguez Hills, the student himself will be responsible for planning his program of studies in accordance with the requirements set forth in the college catalog for the year he enters the college. A student may, however, seek the assistance of an academic adviser whenever desired. The student is required to consult with an academic adviser and to obtain his signature in preparing his study list during his first registration at the California State College, Dominguez Hills, and in preparing the Contract Program of Studies. He may also be required to consult at other times according to the wishes of his major adviser.

The time schedule of academic advisement is listed in the Academic Calendar 1969-70.

#### *New Students*

Academic advisement is part of the registration process for all new students. Each student will be provided advisement materials that he will be responsible for maintaining during his college enrollment. New students entering as freshmen or sophomores will be notified when to report for assignment to their academic advisers. Students with stated academic interests will be assigned advisers within their specified field; students who are undecided will be assigned special advisers.

New students entering as juniors or seniors will be assisted in the selection of both a departmental and an interdepartmental major field of concentration and will be assigned appropriate departmental major advisers prior to the registration period.

#### *Contract Program of Studies*

The student should declare his major fields of concentration, departmental or interdepartmental, at the beginning of his junior year, by filing an approved program of studies for the bachelor's degree in the Admissions Office. An approved program of studies is a contractual document between the college and the student, known as the *Contract Program of Studies*. The Contract Program of Studies is developed with an official academic adviser in the departmental field of the student's major and must be signed by both the student and the adviser. The contract lists the departmental and interdepartmental courses required but does not include the elective courses.

### **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.

### **Class Level of Students**

Students are assigned class level according to the following plan:

#### *Lower Division*

Freshmen.....0-11 full courses (0-44 quarter units)  
Sophomores.....11¼ to 22¼ full courses (45-89 quarter units)

#### *Upper Division*

Juniors.....22½ to 33½ full courses (90-134 quarter units)  
Seniors.....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 for more than 18 units by securing the approval of his academic adviser.

## **REGISTRATION**

Each student registers in the California State College, Dominguez Hills, at times scheduled for this purpose at the beginning of each quarter. Registration covers filling out official cards, paying fees, receiving a student identification card, and enrolling in courses.

Registration by mail is available to certain groups of students; others register in person.

The student should consult the calendar and the registration instructions provided for the quarter he plans to attend.

### **Auditors**

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.

A student who wishes to audit a course in addition to his regular program must obtain the approval of the instructor and pay the fees required as if the course were taken for credit.

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, in extension courses, or in another institution is permitted only when the entire program has received the approval, first, of the departmental major adviser and, second, of the Registrar. This approval must be obtained before any course work is started.

### **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 from the Registrar. A fee of \$1 is charged for each change-of-program made after registration. No change is effective until the change-of-program form has been signed by the instructor and filed with the Registrar. If a student officially drops a class by the end of the fourth week of instruction, the course will not be recorded on the student's permanent record. If a class is dropped after the end of the fourth week of instruction, the grade of WF shall be assigned. A student who must drop a course after the fourth week of instruction for reasons beyond his control and who can justify extenuating circumstances may file a petition requesting further consideration of his case.

### **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. 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.

In cases where a course may be repeated for credit, succeeding enrollments will be shown following the decimal point. For example:

Health and Physical Education 101.1 = First time taken

Health and Physical Education 101.2 = Second time taken

**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 ..... \$10.00

**FEES REQUIRED AT REGISTRATION (per quarter)**

Materials and Service Fee

Students enrolling for 6 or less units..... 17.00

Students enrolling for more than 6 units..... 34.00

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



**Non-resident Tuition Fee (In addition to the other Registration fees.)**

**U. S. Citizens**

Per unit or fraction thereof .....	20.00
Maximum charge—15 units or more .....	297.00
Per academic year .....	890.00

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

Per unit or fraction thereof .....	5.75
Maximum charge—15 units or more .....	85.00

**Other Fees**

Late Registration (Payable the day instruction begins) .....	5.00
Change of program after final filing date .....	1.00
Failure to meet administratively required time limit or appointment .....	2.00
Check returned for any cause .....	2.00
Items lost or broken .....	Cost
Transcript of Record (no charge for first 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 + 1.00

**Refund of Fees**

A portion of some fees is refundable if the student withdraws from college or changes his status from full-time to part-time student within specified time limits. A part-time student is one who enrolls for six or fewer units of instruction. The time limits for applying for refunds are as follows:

Materials and Service fee: Application for refund must be filed within 14 days following the first day of instruction.

Non-resident Tuition fee: Up to end of fourth week of the quarter.

Consult the College Business Office for amounts refundable. Refunds are not automatic. Petitions for refund may be obtained from the Registrar and must be filed within the time limits specified. Penalty fees are not refundable unless collected in error. The Student Activity Fee may be refunded by submitting a request for refund to the Student Association.

## COLLEGE REQUIREMENTS FOR THE BACHELOR'S DEGREE

The undergraduate program of study at the California State College, Dominguez Hills, is designed to lead to the bachelor of arts degree and normally extends over four years, or 12 full quarters, of academic work. The following requirements must be fulfilled by all students in order to qualify for the conferment of the bachelor's degree by the college.

### COURSES

A minimum of 46 full courses plus physical education (186 quarter units) is required.

A minimum of nine full courses (36 quarter units) must be taken in residence, at least half of which must be completed among the last seven and one-half courses (30 quarter units) counted toward the degree. Credit received in summer sessions may be counted as resident credit; however, extension credit or credit by examination may *not* be used to fulfill the minimum residence requirement.

### SCHOLARSHIP

A minimum grade average of C must be earned for all courses attempted in undergraduate work. In addition, a grade average of C must be earned for units attempted in the departmental and interdepartmental fields of concentration.

### GENERAL EDUCATION REQUIREMENTS

The State Code requires that all graduates of a state college complete a general education program. The Basic Studies program at the California State College, Dominguez Hills, has been designed to fulfill not only the general education requirements of the state but also the educational goals of this college. The Basic Studies program consists of 18 full courses plus 3 quarter units in health and physical education.

Accredited junior colleges and 4-year colleges have been granted the authority to certify for all freshmen and undergraduate transfer students the extent to which the general education requirements have been fulfilled. A document certifying the requirements satisfied by the completion of certain courses may be provided by such college to transfer students.

1. Undergraduate transfer students with *full*, or 40-unit, certification will not be required to complete additional general education units.
2. Undergraduate transfer students *without* certification
  - a) who are admitted with less than 40 semester units that may apply to a degree granted by the California State College, Dominguez Hills, shall complete the college's basic studies program;
  - b) or who are admitted with 40 or more semester units that may apply to a degree granted by the California State College, Dominguez Hills, shall complete the general education requirements set forth in the *California Administrative Code, Title V*.
3. Undergraduate transfer students with *partial* certification
  - a) who are admitted to the California State College, Dominguez Hills, with less than 40 semester units that may apply to a degree granted by the California State College, Dominguez Hills, shall complete those portions of the college's Basic Studies program not covered by the certification.
  - b) who are admitted to the California State College, Dominguez Hills, with 40 or more semester units that may apply to a degree granted by the California State College, Dominguez Hills, shall complete the general education requirements set forth in the *California Administrative Code, Title V*.

#### 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. Basic Studies History 100 satisfies the American History requirement; Basic Studies Political Science 100, the American Institutions requirement.

Students who successfully complete the Basic Studies program prescribed by the California State College, Dominguez Hills, shall have fulfilled these requirements. Students transferring from other accredited institutions of collegiate grade who have already met these requirements shall not be required to take further courses or examination therein. Students transferring from other colleges who have not already met these requirements must satisfy them either by completing the appropriate courses at this college or by passing a comprehensive examination on these fields.

#### UPPER DIVISION

##### *Course Requirements*

Graduation with a bachelor of arts degree requires a minimum of 15 full courses (60 quarter units) of upper division work.

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.

#### ***Major Requirements***

A candidate for graduation must present a major as part of the state and college requirements. A major at the California State College, Dominguez Hills, must consist of two fields of concentration—a departmental field and an interdepartmental field.

#### ***Departmental Field of Concentration***

A minimum of nine full courses must be completed in a departmental field, of which seven full courses must be in upper division work. Specific course requirements for each departmental field are listed in this catalog under each School heading.

#### ***Interdepartmental Field of Concentration***

A minimum of nine full courses must also be completed in an interdepartmental field, of which six full courses must be upper division work. Specific course requirements for each interdepartmental field are listed in this catalog under each School heading.

### **APPLICATION FOR GRADUATION**

Undergraduates must file an application for graduation with the Registrar during the registration period for the second quarter of the senior year in order that degree requirements may be checked. No application for graduation should be submitted unless the student has filed his Contract Program of Studies with the Admissions and Records Office. Students who do not complete requirements in the quarter indicated, must file a second application for graduation indicating the new date.

## 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, completion of a minimum of three courses (12 quarter units), 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. (See Graduate Admission, pages 133-134.)

### *Requirements*

The course of study leading to the Master of Arts 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. 45 quarter units of graduate work completed within seven years, except that the college may extend the time for students who pass a comprehensive examination in the relevant course or subject field.  
Of these units:
  - Not less than 36 shall be completed in residence;
  - Not less than 18 shall be in courses organized primarily for graduate students;
  - Not more than 9 shall be transfer credit;
  - Not more than 12 in unclassified status may be counted in the degree program;
  - Not more than 9 shall be allowed for a thesis;
  - No units in student teaching or extension course classes taken at another college shall apply.
2. A grade-point average of 3.0 (grade of B on a five-point scale) or better in all courses taken to satisfy requirements for the degree.

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.

## 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.

### SCHOLASTIC POLICIES

#### *Grades and Grade Points*

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

<i>Grade</i>	<i>Grade Points</i>
A Excellent .....	4
B Good .....	3
C Fair .....	2
D Barely Passing .....	1
F Failure .....	0
I Incomplete .....	0
W Withdrawal Passing (Not counted in grade average.)	
WF Withdrawal Failing (0 grade points for units attempted.)	

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

- P Pass (Not counted in grade average, but units allowed.)
- NP Non-Pass (Not counted in grade average; no units allowed.)
- PR Work-in-Progress (Credit is deferred until completion of course sequence.)

In order to qualify for an undergraduate degree, the student must have an overall grade-point-average of 2.0 (C).

#### *Incomplete Grade*

The incomplete grade may be assigned when a student's work has not been completed because of circumstances beyond his control. The student must arrange with his instructor for completion of the required work. An incomplete grade cannot be removed by repeating the course.

A period of one calendar year is allowed for the conversion of an incomplete grade to a letter grade. An incomplete grade not made up is automatically changed to an "F" grade at the end of this period. Forms to change an incomplete to a letter 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 it to the Office of Admissions and Records within the time allowed.

### *Scholastic Probation*

A student shall be placed upon academic probation if either his cumulative grade average for college work attempted or his grade average for college work attempted at the California State College, Dominguez Hills, falls below C.

A student shall be removed from the probation list and restored to good academic standing when he earns a cumulative grade average of C in all college work attempted and in all work attempted at the California State College, Dominguez Hills.

### *Scholastic Standards for Undergraduates*

A student on probation shall be disqualified:

- a. as a lower division student (less than 90 quarter units of college work completed) if he falls 23 or more grade points below a C average in all units attempted or in all units attempted at the California State College, Dominguez Hills;
- b. as a junior (90-134 quarter units of college work completed) if he falls 14 or more grade points below a C average in all units attempted or in all units attempted at the California State College, Dominguez Hills;
- c. as a senior (135 or more quarter units of college work completed) if he falls nine or more grade points below a C average in all units attempted or in all units attempted at the California State College, Dominguez Hills.

Any student not on probation who falls below a D average for work attempted in any one quarter shall be subject to scholastic disqualification.

A student disqualified for scholarship deficiency may not enroll in the college until he has been reinstated by the appropriate college authority. Petitions for reinstatement may be obtained from the Office of Admissions. Petitions for reinstatement will not be accepted from disqualified students for a minimum period of two quarters after the date of disqualification.

### *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 2.0. Higher standards are required for master's degree candidates and for graduate students seeking teaching credentials.



### ***Official Withdrawal***

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 fourth week of instruction), there is no academic penalty. However, if official withdrawal occurs after the fourth week of instruction, grades of WF will be automatically assigned. A petition to change automatically assigned penalty grades may be filed with the Dean of Students. A student who does not officially withdraw from the college shall automatically receive grades for all courses on his official study list.

### ***Advanced Placement***

Some high schools give students the opportunity to take one or more courses which cover college material. In May of each year the College Entrance Examination Board provides examinations for these courses. Students who have participated in such a program should have their examination results sent to the Office of the Dean of Admissions. Credit for a particular subject on the basis of a high score on the Advanced Placement examination may then be granted by the Dean of the appropriate School. Notification of course credit will be sent to the student by the Dean of Admissions.

### ***Credit by Examination***

If a student in residence and in good standing has had special preparation in a given subject because of unusual opportunities and feels that he has covered the content of a course, he may contact the Office of the Dean of the appropriate School about credit by examination. If an examination is given, it will be comprehensive. A pass or a fail grade will be assigned and will become part of the student's permanent record. Courses by examination will not count toward residence requirements of the college.

### ***Honors-at-Entrance***

A small number of students will be given Honors-at-Entrance on the basis of unusual promise and scholarship in high school. Letters signifying Honors-at-Entrance will be sent to these students by the President of the college.

### ***Dean's Scholar***

Students who have maintained an outstanding record of scholarship during the academic year will be designated as Dean's Scholars. Appro-

ropriate recognition will be given to these students by the deans of the respective Schools.

#### TRANSCRIPTS OF RECORD

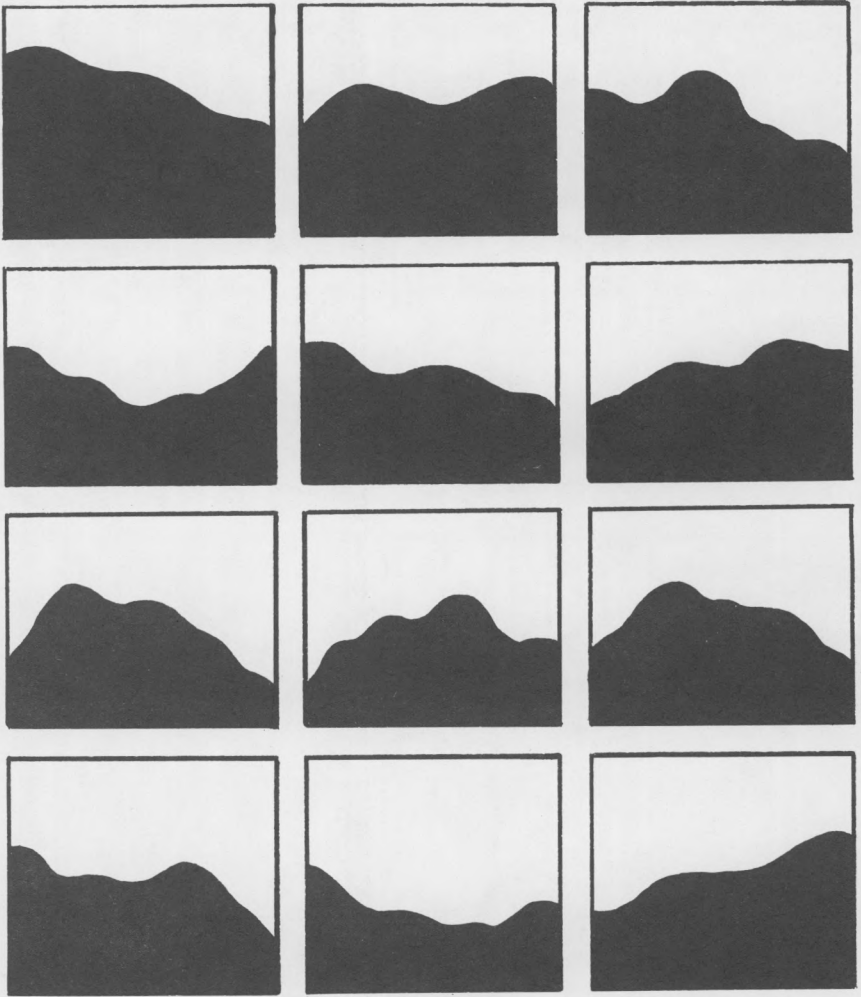
A student may obtain an official transcript of his record by making formal application to the Registrar. A fee of \$1 is charged for each transcript after the first request.

#### SELECTIVE SERVICE

Selective Service information is available at the Office of Admissions. Students subject to Selective Service should keep their local boards informed of all situations which might affect their draft classifications.

Verification of enrollment in full-time programs will be submitted to the Selective Service Boards by the Office of Admissions. Any change of status during the quarter, such as dropping courses or withdrawal, will be reported to the Local Board by the Office of Admissions.

An undergraduate student must be enrolled in sufficient units per quarter to complete requirements for the degree in the normal time of 12 quarters.



FACULTY AND ADMINISTRATION  
OF THE COLLEGE

## FACULTY AND ADMINISTRATION OF THE COLLEGE

- LEO F. CAIN (1962).....President; Professor of Psychology  
A.B., 1931, Chico State College; M.A., 1935, Ph.D., 1939, Stanford University.
- RUDOLPH F. ACUNA (1968).....Assistant Professor of History  
B.A., 1957, M.A., 1962, California State College, Los Angeles; Ph.D., 1968, University of Southern California.
- JACK ADAMS (1966).....Associate 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).....Assistant Professor of Physics  
B.S., 1959, Capital University; M.S., 1961, Ph.D., 1968, Ohio State University.
- MILAGROS R. AQUINO (1968).....Assistant Professor of Education  
B.S., 1957, Ilocos Norte Normal School, Philippines; M.A., 1963, Philippine Normal College, 1965, University of California, Los Angeles; Ed.D., 1967, University of California, Los Angeles.
- WILLIAM L. ARMACOST (1968).....Assistant Professor of Mathematics  
B.A., 1963, Pomona College; M.A., 1965, Ph.D., 1968, University of California, Los Angeles.
- HARBANS L. ARORA (1968).....Associate Professor of Biological Science  
B.S., 1944, M.S., 1945, Panjab University; Ph.D., 1949, Stanford University.
- JOHN W. AULD (1968).....Assistant Professor of History  
B.A., 1962, The College of Wooster; M.A., 1964, Stanford University.
- ALFRED BARSON (1968).....Assistant Professor of English  
B.A., 1961, University of Santa Clara; M.A., 1963, San Francisco State College; Ph.D., in progress, University of Massachusetts.
- E. KENNETH BENNETT (1968).....Librarian, Acquisitions  
B.A., 1956, Graduate Study, 1956-57, University of California, Berkeley; M.L.S., 1966, University of California, Los Angeles.
- ROBERT M. BERSI (1966).....Assistant to the President  
Director of Summer Session and Extension;  
Assistant Professor of English-Speech  
A.B., 1958, University of the Pacific; M.A., 1963, Ph.D., 1966, Stanford University.
- RICHARD BEYM (1968).....Professor of Spanish  
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 University; advanced study in Florence, Italy.
- ELIZABETH H. BRADY (1967).....Visiting Professor of Education  
B.A., 1941, Carleton College; M.A., 1945, University of Chicago.
- DAVID E. BREST (1968).....Assistant Professor of Biological Science  
B.A., 1964, California State College, Los Angeles; Ph.D., 1968, University of California, Los Angeles.
- MARION A. BUCK (1967).....Professor of Economics  
A.B., 1930, Radcliffe College; M.A., 1931, Syracuse University; Ph.D., 1953, Radcliffe College.

- PHILIP W. BUCK (1966)..... Professor of Political Science  
B.A., 1923, University of Idaho; B.A., 1926, Oxford University; Ph.D., 1933,  
University of California, Berkeley.
- JOHN J. BULLARO (1968) ..... Associate Professor of English  
B.A., 1950, M.A., 1952, University of Illinois; Ph.D., 1960, University of Wis-  
consin.
- THOMAS S. BULLOCK (1963)..... Senior Building Program Coordinator;  
Lecturer in Geography  
B.A., 1957, graduate study, 1960-63, San Francisco State College.
- HAROLD CHARNOFSKY (1966)..... Associate Professor of Sociology  
B.S., 1953, M.S., 1958, Ph.D., 1968, University of Southern California.
- LOIS WONG CHI (1966)..... Associate Professor of Biological Science  
B.S., 1945, Wheaton College; M.S., 1948, Ph.D., 1953, University of Southern  
California.
- ULRICH DE LA CAMP (1966)..... Assistant Professor of Chemistry  
B.S., 1959, University of California, Berkeley; Ph.D., 1966, University of Cali-  
fornia, Davis.
- CAROLINE R. DUNCAN (1966)..... Assistant Professor of English  
B.F.A., 1946, M.A., 1949, University of Georgia.
- DALE E. ELLIOTT (1968)..... Assistant Professor of English  
B.S. in Ed., 1962, M.A., 1965, 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.
- ARTHUR A. EVETT (1968)..... Professor of Physics  
B.S., 1948, Ph.D., 1951, Washington State University.
- CHARLES FAY (1966)..... Associate Professor of Philosophy  
B.S., 1948, M.A., 1950, Ph.D., 1956, St. Louis University.
- 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.
- JOHN K. FOOTE (1966)..... Associate Professor of Chemistry  
B.S., 1944, University of California, Berkeley; M.A., 1962, University of Cali-  
fornia, Santa Barbara; Ph.D., 1966, University of California, Riverside.
- BELA GALLO (1966)..... Librarian, Head of Technical Processing  
Diploma, 1956, Eotvos Lorand University; Post-graduate Diploma, 1961, Univer-  
sity of Mysore; 1961-62, graduate study, Indian School of International Studies;  
M.L.S., 1964, Rutgers, The State University.
- MARILYN GARBER (1967)..... Assistant Professor of History  
B.A., 1957, M.A., 1960, Ph.D., 1967, University of California at Los Angeles.
- JOHN K. GARDNER (1965)..... Assistant Professor of Mathematics  
B.S., 1953, M.S., 1958, University of Arizona; Ph.D., 1964, California Institute of  
Technology.
- KENNETH B. GASH (1967)..... Assistant Professor of Chemistry  
B.S., 1960, Pratt Institute; Ph.D., 1968, Arizona State University.
- LYLE E. GIBSON (1962)..... Dean, Academic Affairs; Professor of Geography  
B.E., 1935, Wisconsin State University; Ph.M., 1943, University of Wisconsin;  
Ph.D., 1947, State University of Iowa.
- SALLY A. GOGIN (1966)..... Librarian, Head of Public Services  
B.A., 1958, Pembroke College, Brown University; M.L.S., 1962, University of  
California, Los Angeles.

- HYMEN C. GOLDMAN (1967)**.....Coordinator of Placement and Financial Aids; Associate Professor  
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 Southern California.
- JUDSON A. GRENIER (1966)**.....Associate Professor of History  
B.A., 1951, University of Minnesota; M.J., 1952, University of California, Berkeley; Ph.D., 1965, University of California, Los Angeles.
- CURTIS L. GRONINGA (1969)**.....Building Program Coordinator  
B.A., 1967, California State College at Long Beach; Graduate Work, University of Southern California, Public Administration.
- WILLIAM M. HAGAN (1967)**.....Director, Student Activities and the College Cultural Program  
A.B., 1948, University of Santa Clara; M.A., 1950, Gonzaga University; S.T.L., 1957, Faculté de Theologie, Enghein, Belgium; Ph.D., 1960, Georgetown University.
- GEORGE HENEGHAN (1967)**.....Assistant Professor of Political Science  
A.B., 1956, Columbia College; M.A., 1957, Columbia University.
- WINSTON R. HEWITT (1966)**.....Associate 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.
- 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 L. JOHNSON (1968)**.....Associate Professor of Health and Physical Education  
A.B., 1947, M.E.D., 1962, Ed.D., 1964, University of California, Los Angeles.
- HELEN JANE JONES (1966)**.....Librarian, Cataloging  
A.B., 1930, Drake University; B.L.S., 1931, Drexel Institute; A.M., 1940, Temple University; 1939-40 graduate study Columbia University.
- WILLIE O. JONES (1968)**.....Coordinator, Placement and Financial Aids  
B.A., 1961, California State College at San Francisco.
- VIOLET L. JORDAIN (1968)**.....Assistant Professor of English  
B.A., 1961, M.A., 1965, Ph.D., 1968, University of California, Los Angeles.
- GENE A. KALLAND (1966)**.....Assistant Professor of Biological Science  
B.A., 1962, San Fernando Valley State College; Ph.D., 1966, Indiana University.
- JAMES KEYSER (1968)**.....Assistant Professor of Anthropology  
B.A., 1954, Haverford College; M.A., 1963, Harvard University.
- JACK F. KILFOIL (1968)**.....Assistant Professor of History  
B.A., 1962, University of California, Berkeley; M.A., 1965, University of Michigan.
- CAROL GUZE KONRAD (1967)**.....Assistant Professor of Biological Science  
A.B., 1957, Washington University; Ph.D., 1963, University of California, Berkeley.
- RUTH LARSON (1968)**.....Associate Professor of Education  
B.S., 1943, Parsons College; M.S., 1954, University of Tennessee; Ph.D., 1958, 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.

- FREDERICK D. LAWS (1968)..... Associate Professor of Sociology  
B.A., 1953, Hobart College; M.A., 1956, Ph.D., 1962, University of Maryland.
- YVONE V. LENARD (1968)..... Associate 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.
- SAMELLA S. LEWIS (1968)..... Associate Professor of Art  
B.S., 1945, Hampton Institute; M.A., 1948, Ph.D., 1951, Ohio State University.
- HERMAN LOETHER (1967)..... Professor of Sociology  
B.A., 1951, California State College at Los Angeles; M.A., 1953, Ph.D., 1955, University of Washington.
- 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)..... Assistant Professor of English  
B.A., 1952, University of California, Santa Barbara; M.A., 1956, Columbia University; Ph.D., 1966, University of California, Santa Barbara.
- 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.
- RUTH A. MARTINSON (1964)..... Director, Teacher Education Programs;  
Professor of Education and Psychology  
B.A., 1941, Western Washington College; M.A., 1946, Ed.D., 1949, University of California, Los Angeles.
- GORDON MATTHEWS (1968)..... Associate Professor of Mathematics  
B.A., 1939, M.A., 1955, Ph.D., 1959, University of California, Los Angeles.
- FRANCIS X. McARDLE (1968)..... Assistant Professor of Political Science  
B.A., 1959, University of Syracuse.
- J. DONALD MILD (1965)..... Director, Research and Institutional Studies;  
Lecturer in Mathematics  
B.S., 1958, M.S.P.A., 1966, University of Southern California.
- M. MILO MILFS (1962)..... Dean, Student Affairs; Professor of Psychology  
B.S., 1949, M.A., 1951, University of New Mexico; Ed.D., 1957, University of Southern California.
- ALBA MOESSER (1967)..... Assistant Professor of Spanish  
B.A., 1961, California State College at Long Beach; M.A., 1963, University of California, Los Angeles; Ph.D. candidate, University of Southern California.
- ADOLFO M. MONSANTO (1966)..... Professor of Spanish  
M.A., in Education and Letters, 1947, Ph.D., in Education and Letters, 1949, Universidad Nacional Autonoma de Mexico.
- ROBERT J. MURRAY (1962)..... Business Manager  
Washington and Lee University; George Washington University; University of San Francisco; San Francisco State College.
- HARVEY NASH (1968)..... Associate Professor of Psychology  
B.E.E., 1944, City College of New York; Ph.D., 1951, University of California, Berkeley.

- HARRY A. NETHERY (1962).....Dean, College Services & Facilities Planning;  
Professor of Business Administration  
B.A., 1939, Stanford University; M.B.A., 1941, Harvard Graduate School of Business Administration; Ed.D., 1955, Stanford University.
- NORMAN NEUERBURG (1966).....Associate Professor of Art  
A.B., 1953, University of California, Los Angeles; M.A., 1955, Ph.D., 1960, New York University.
- WILLIAM F. NUPP (1967).....Instructor in Health and Physical Education  
B.S., 1964, University of Dayton; M.S., 1966, University of California, Los Angeles.
- DIANE OLEFSKY (1968).....Librarian, Public Services  
B.A., 1965, University of California, Los Angeles; M.L.S., 1966, University of California, Los Angeles.
- JUANITA W. PORTIS (1969).....Librarian, Cataloging  
B.S., 1964, Alabama A. and M. College; M.S.L.S., 1965, Atlanta University.
- DAVID B. RANKIN (1966).....Associate Professor of English  
A.B., 1953, M.A., 1961, University of Southern California; Ph.D., 1965, University of London.
- THEODORE RAVETZ (1968).....Lecturer in Sociology  
A.B., M.A., 1965, University of California, Los Angeles.
- ABE C. RAVITZ (1966).....Professor of English  
B.A., 1949, City College of New York; M.A., 1950, Ph.D., 1955, New York University.
- EPHRIAM SANDO (1967).....Associate Professor of English  
B.A., 1956, M.A., 1958, Ph.D., 1962, University of California, Los Angeles.
- OLIVER SEELY, JR. (1968).....Assistant Professor of Chemistry  
B.S., 1961, California Institute of Technology; M.S., 1963, Ph.D., 1964, University of Illinois.
- LISA SHELLBERG (1967).....Assistant Professor of Psychology  
B.A., 1961, Occidental College; M.A., 1966, Claremont University Center.
- MARIANNA P. SLOCUM (1967).....Assistant Professor of Mathematics  
B.S., 1959, M.S., 1961, Massachusetts Institute of Technology.
- GREGORY L. SMITH (1968).....Assistant Professor of Geography  
B.A., 1953, Reed College; Ph.D., 1968, University of Washington.
- JOHN SMITH (1968).....Director, Educational Opportunity Program  
B.A., 1956, California State College at Los Angeles.
- JOSEPH J. SROKA (1968).....Lecturer in Mathematics  
B.A., 1964, M.A., 1967, University of California, Riverside.
- LEONARD STEIN (1967).....Associate Professor of Music  
B.A., 1939, M.A., 1941, University of California, Los Angeles; D.M.A., 1965, University of Southern California.
- FRANCES STEINER (TARLOW) (1967).....Assistant Professor of Music  
Mus.B., 1956, Curtis Institute of Music; B.S. in Ed., 1956, Temple University; M.A., 1958, Radcliffe College.
- QUENTIN C. STODOLA (1966).....Director, Counseling, Placement and  
Financial Aids; Associate Professor of Psychology  
A.B., 1942, Queens College; M.A., 1950, Montclair State College; Ph.D., 1954, University of Wyoming.
- RICHARD L. TULEY (1968).....Assistant Professor of Economics  
B.S., 1965, Illinois State University; M.A., 1967, Claremont Graduate School.



- JACK A. VAUGHN (1968).....Assistant Professor of English  
B.A., 1957, University of Washington; M.F.A., 1960, University of Hawaii; Ph.D.,  
1964, University of Denver.
- PHEROZE S. WADIA (1968).....Assistant Professor of Philosophy  
B.A., 1951, St. Xavier's College, Bombay, India; M.A., 1962, Ph.D., 1968, New  
York University.
- WALTER WELLS (1967).....Assistant Professor of English  
A.B., 1960, M.A., 1963, New York University; Ph.D. candidate, University of  
Sussex.
- SIDNEY GLEN WHITE.....Assistant Professor of Art  
B.A., 1963, Louisiana State University; B.F.A., M.F.A., 1967, Otis Art Institute  
of Los Angeles County.
- NORMAN A. WIEGMANN (1966).....Professor of Mathematics  
B.A., 1941, University of Southern California; M.A., 1943, Ph.D., 1947, University  
of Wisconsin.
- SAMUEL L. WILEY (1968).....Assistant Professor of Physics  
B.S., 1959, Capital University; Ph.D., 1967, Ohio State University.
- WILLIAM D. WILK (1968).....Assistant Professor of Chemistry  
A.B., 1964, Thiel College; Ph.D., 1968, Northwestern University.
- BEATRICE WRIGHT (1968).....Visiting Professor of Psychology  
B.A., 1938, Brooklyn College; M.A., Ph.D., 1942, University of Iowa.
- BRUCE C. YOUNG (1968).....Assistant Professor of Geography  
B.A., 1953, M.A., 1957, Ph.D., 1968, University of California, Los Angeles.

#### PART-TIME FACULTY

- CHI-LUNG CHANG.....Lecturer in Mathematics  
B.A., 1964, University of California, Berkeley; M.A., 1968, University of Cali-  
fornia, Los Angeles.
- CLARK H. COTTRELL.....Physician  
B.A., 1957, Kansas University; M.D., 1963, University of California, California  
College of Medicine.
- STANLEY L. CROUCH.....Lecturer in English  
Studied at East Los Angeles Junior College and Southwest Junior College;  
Member of Watts Writers' Workshop.
- ELSIE A. GIORGI.....Director, Health Services  
A.B., 1931, Hunter College; M.D., 1949, Columbia University.
- HIAWATHA HARRIS.....Psychiatric Consultant  
B.A., 1951, California State College at San Francisco, M.D., 1959, Meharry Med-  
ical College; Resident in Psychiatry, 1960-63, Metropolitan State Hospital.
- VILAS D. HENDERSON.....Lecturer in Mathematics  
B.S., 1953, River Falls State University; M.S., 1956, University of Wisconsin.
- MYRON LEO KENNEDY.....Lecturer in History  
B.S., 1946, St. Cloud College; M.A., 1948, University of Minnesota; Ph.D., 1952,  
University of Minnesota.
- SOLOMON J. KLAPMAN.....Lecturer in Physics  
B.S., 1932, University of Chicago; M.S., 1935, University of Michigan; Ph.D.,  
1940, University of Chicago.
- JAMES R. MACDONALD.....Lecturer in Biology  
B.A., 1940, M.A., 1946, Ph.D., 1948, University of California, Berkeley.
- THEODORE D. PHILLIPS.....Lecturer in Music  
Mus.B., 1924, Mus.M., 1935, Oberlin College.

- ROBERT C. QUINT..... Lecturer in History  
 B.A., 1966, University of Southern California; M.A., 1967, Harvard University;  
 Graduate Study, 1967, University of California, Los Angeles.
- MILES S. ROGERS..... Lecturer in Psychology  
 B.A., B.S., 1948, University of Washington; M.A., Ph.D., 1952, Princeton Uni-  
 versity.
- E. DEAN SHEPHERD..... Lecturer in Economics  
 B.S., 1963, M.B.A., 1964, Texas Technological College.
- DAVID L. SIMPSON..... Lecturer in Mathematics  
 B.S., 1960, Mankato State College; M.S., 1963, Ph.D., 1967, Iowa State University.
- MICHAEL R. STEVENSON..... Lecturer in Mathematics  
 B.A., 1965, University of California, Santa Barbara; M.S., 1968, University of  
 Southern California.
- O. MARC TANGNER, JR..... Lecturer in German  
 B.A., 1963, M.A., 1965, Ph.D. Candidate, University of California, Los Angeles.
- VIVIAN R. TRULY..... Lecturer in Sociology  
 B.A., 1960, San Francisco State College.

## ADJUNCT FACULTY

### *Master Teachers Cooperating in the Teacher Education Program*

<i>Name</i>	<i>School</i>	<i>School District</i>
Jack Belasco	Inglewood High	Inglewood Unified High
Beth Berry	Pedregal Elementary	Palos Verdes Unified
Marlene Brandt	Broadacres Elementary	Los Angeles Unified
Joeneta Buckner	Willard Elementary	Compton City Elementary
Virginia Coleman	Broadacres Elementary	Los Angeles Unified
Virginia Culp	Valmonte Elementary	Palos Verdes Unified
Virginia Fritsch	Smith Elementary	Lawndale Elementary
Sunga Griesman	Seaside Elementary	Torrance Unified
Nancy Griffith	Longfellow Elementary	Compton City Elementary
Marion Gump	Monte Malaga Elementary	Palos Verdes Unified
Phyllis Haugh	Valmonte Elementary	Palos Verdes Unified
Brenda Hicks	Kennedy Elementary	Compton City Elementary
Ollie Highes	King Elementary	Willowbrook Elementary
Wilfred Lee	Palos Verdes High	Palos Verdes Unified
Carol Madrick	Ladera Elementary	Manhattan Beach City Elementary
Bess Morrison	Dapplegray Intermediate	Palos Verdes Unified
Pat Oberg	La Marina Elementary	Manhattan Beach City Elementary
Doris Peters	Mark Twain Elementary	Enterprise City Elementary
Jane Rose	Anderson Elementary	Lawndale Elementary
Marsha Rosen	Green Elementary	Lawndale Elementary
Kay Ruffner	Malaga Cove Intermediate	Palos Verdes Unified
Carl Rydingsword	Inglewood High	Inglewood Unified
Cathy Sauber	Pacific Elementary	Manhattan Beach City Elementary
Robert Schultz	West High	Torrance Unified
Marianne Simon	Malaga Cove Intermediate	Palos Verdes Unified
Tillie Smith	Broadacres Elementary	Los Angeles Unified
Marilouise Thomas	Carver Elementary	Willowbrook Elementary
Sandra Walker	Anza Elementary	Torrance Unified
Elyria Waters	Mark Twain Elementary	Enterprise City Elementary
Colleen Williams	Valmonte Elementary	Palos Verdes Unified

## SPECIAL PROJECTS

### The Preparation of Teachers for Inner-City Schools

Ruth A. Martinson.....	Director
Constance Price.....	Program Associate
Ruth Larson.....	Resource Consultant
Milagros Aquino.....	Resource Consultant

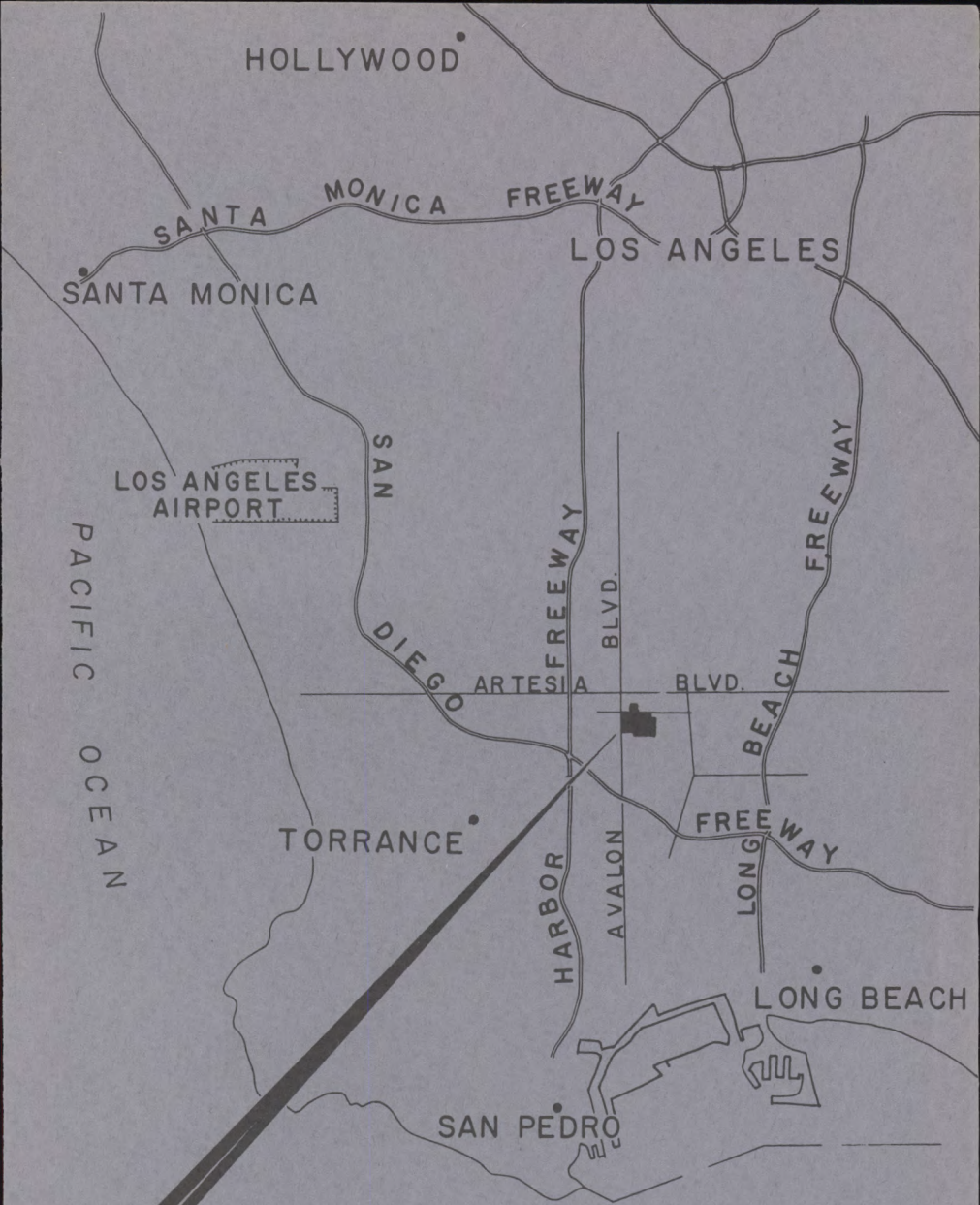
# INDEX

- Academic Advisement, 135
  - Class level of students, 136
  - Contract program of studies, 135
  - Course prerequisites, 136
  - New students, 135
  - Study list limits, 136
- Academic Program, 25
  - Basic Studies, 25
  - Major with Dual Fields of Concentration, 27
- Accreditation, 17
- Activities, Student, 20
- Administration of the College, 13
- Admission to the College, 125
  - Application for, 129
    - application fee, 129
    - deadlines, 125
    - entrance examination, 131
    - health examination, 132
    - major steps, 129
    - military service credit, 128
    - notification of eligibility, 132
    - prospective first time freshman, 130
    - prospective transfer students, 131
    - social security account number, 130
    - statement of residence, 132
    - transcripts, 128
  - Graduate Programs, 133
  - Requirements, 125
    - California high school graduates, 125
    - foreign students, 126
    - freshman, 125
    - non-high school graduates, 126
    - readmission, 128
    - recommended preparation, 127
    - transfer, undergraduate, 127
  - Teacher Education Program, 132
- Advanced Placement, 147
- Advisory Board, 13
- Afro-American Studies, 37
- American Business and Economic Systems, 39
- American Institutions, 141
- American Studies, 41
- Anthropology, 42
- Application
  - for admissions, 129
  - for graduation, 142
- Art, 44
- Athletics, 20, 83
- Auditors, 129, 136
- Audio-Visual Services, 18
- Bachelor's Degree, 140
  - Requirements, 25, 26, 27, 140, 141
- American Institutions, 141
- Application for Graduation, 142
- Courses, 140
- General Education Requirements, 140
- Scholarship, 140
- Upper Division, 141
  - Course requirements, 141
  - Departmental field of concentration, 142
  - Interdepartmental field of concentration, 142
  - Major requirements, 142
- Basic Studies Program, 25
- Courses, 26
- Substitutions for Science Majors, 26
- Behavioral Sciences, 48
- Masters Degree, 28, 49
- Biological Sciences, 52
- Calendar, 6
- California State Colleges
  - General Information, 12
  - Names and Addresses, 10
  - Trustees, 8
- Change of Program, 137
- Chemistry, 55
- Chinese, 59
- Chancellor's Office, 9
- Class Level of Students, 136
  - Comprehensive examinations, 30
    - Art, 44
    - English, 69
    - French, 77
    - Music, 96
    - Philosophy, 99
    - Spanish, 115
- Concurrent Enrollment, 137
- Contract Program of Studies, 135
- Counseling Center, 21
- Course Credit, 137
- Course Numbering System, 138
- Credit by Examination, 147
- Curriculum Materials Center, 18
- Dean's Scholar, 147
- Degree Requirements
  - Bachelors, 140
  - Masters, 143
- Departmental Fields of Concentration, 27
- Earth and Space Sciences, 60
- East Asian Studies, 61
- Economics, 62
- Education, Teacher, 65
  - Admission, 132
  - Graduate, 28
- Educational Opportunities Center, 129
- Educational Resources Center, 18
- Elective Courses, 25
- Employment, 23
- English, 69
  - Master's degree, 69
- Entrance Examination, 131
- Extension Credit, 140
- Faculty, 150
- Fees, 138
  - Application, 129
  - Refund of Fees, 139
  - Transcripts, 139, 148
- Financial Aids, 22
  - Grants, 22
  - Loan funds, 22
  - Part-time employment, 23
  - Scholarship, fellowship, 23
  - Work-study program, 23
- Foreign Languages
  - Chinese, 59
  - French, 77
  - German, 82
  - Spanish, 115
- Foundations of Natural Science, 76
- French, 77
- General Education Requirements, 25, 26, 140
- General Information, 17
- Geography, 79
- German, 82
- Government, Student, 20
- Grades and Grade Points, 145
- Graduate Programs, 28
  - Requirements for Masters Degree, 143
  - Admission, 133
  - English, 69
  - Behavioral Sciences, 49
  - Teacher Education, 28
- Graduation, 142
- Grants, 22
- Health Examination, 132
- Health and Physical Education, 83
- Health, Student, 23
- History, 84

# INDEX

- Honors at Entrance, 147
- Housing, Student, 23
- Humanities and Fine Arts,
  - The School of, 29
  - School requirements for Bachelor of Arts Degree, 30
  - Foreign language proficiency, 30
- Incomplete Grade, 145
- Interdepartmental Fields of Concentration, 27
- Information Systems, 88
- International Programs, 19
- Late Registration Fee, 139
- Latin American Studies, 89
- Library, 18
- Linguistics, 90
- Loan Funds, 22
- Majors, 27, 142
  - Departmental fields of concentration, 27, 142
  - Interdepartmental fields of concentration, 27, 142
- Master's Degree
  - Requirements, 28, 143
  - English, 69
  - Behavioral Sciences, 49
- Mathematics, 92
- Music, 96
- Natural Sciences and Mathematics,
  - The School of, 31
- Pass-Non Pass, 145
- Philosophy, 99
- Physical Education, 20, 83
- Physics, 101
- Placement, 21
- Political Science, 104
- Prerequisites, Course, 136
- Probation, 146
- Psychology, 107
- Readmission, 128
- Registration
  - Auditors, 136
  - Change of Program, 137
  - Concurrent Enrollment, 137
  - Course Numbering System, 138
  - Fees, 138
  - Repeated Course, 137
- Regulations, 145
  - Scholastic Policies, 145
  - Advanced Placement, 147
  - Credit by Examination, 147
  - Dean's Scholar, 147
  - Disqualification, 146
  - Grades and Grade Points, 145
  - Honors-at-entrance, 147
  - Incomplete, 145
  - Official Withdrawal, 146
  - Probation, 146
  - Scholastic Standards for Graduate Students, 146
  - Scholastic Standards for Undergraduates, 146
  - Selective Service
- Repeated Course, 137
- Requirements,
  - General Education, 25, 26, 140
  - Bachelors Degree, 140
  - Masters Degree, 143
- Research and Data Processing Services, 18
- Residence, Statement of, 132
- Scholarship, fellowship, 23
- Selective Service, 148
- Social and Behavioral Sciences,
  - The School of, 33
- Sociology, 112
- Spanish, 115
- Standards of Student Conduct, 24
- Student Activities, 20
- Student Government, 20
- Student Health, 23
- Student Placement, 21
- Student Services, 21
  - Counseling, 21
  - Employment, 23
  - Health, 23
  - Housing, 23
  - Financial Aids, 22
  - Placement, 21
- Study List Limits, 136
- Teacher Education Program, 28, 65, 132
- Theater Arts, 118
- Transcripts, 130, 148
- Transfer Students, 127
- Trustees of the California State Colleges, 8
- Twentieth Century Thought and Expression, 119
- Urban Studies and Environmental Design, 120
- Withdrawal, Official, 146
- Work-study program, 23

o



CALIFORNIA STATE COLLEGE,  
DOMINGUEZ HILLS  
1000 EAST VICTORIA STREET  
DOMINGUEZ HILLS, CALIFORNIA 90247  
(213) 532-4300

CALIFORNIA STATE COLLEGE,  
DOMINGUEZ HILLS  
1000 EAST VICTORIA STREET  
DOMINGUEZ HILLS, CALIFORNIA 90247