

COMPLIMENTARY COPY



CALIFORNIA STATE COLLEGE

DOMINGUEZ HILLS

CATALOG 1970-71

Address all inquiries to:

Office of Admissions
California State College, Dominguez Hills
1000 East Victoria Street
Dominguez Hills, California 90246

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

CALIFORNIA STATE
COLLEGE
DOMINGUEZ HILLS

CATALOG 1970 — 1971



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ACADEMIC CALENDAR 1970-71

FALL QUARTER 1970

September 15, Tuesday.....	First day to file application for admission or re-admission for the Winter Quarter 1971.
September 21, Monday.....	Registration for new and continuing students.
September 28, Monday.....	Classes begin.
October 2, Friday.....	Last day to add classes.
October 7, Wednesday 10 a.m. to 12 noon.....	Convocation.
October 12, Monday.....	Last day for refund of Materials and Service Fee.
October 23, Friday.....	Last day to drop classes without academic penalty; last day for refund of Non-Resident Tuition Fee.
November 2, Monday- November 13, Friday.....	Registration materials available for continuing students.
November 3, Tuesday- November 6, Friday.....	Academic advisement for continuing students.
November 2, Monday.....	First day to file application for admission or re-admission for Fall Quarter 1971.
November 9, Monday- November 20, Friday.....	Registration-by-mail period for continuing students.
November 26, Thursday- November 29, Sunday.....	Thanksgiving recess.
December 4, Friday.....	Last day of classes.
December 7, 8, 9, 10 Monday to Thursday.....	Final examinations.
December 11, Friday- January 3, Sunday.....	Christmas recess.
December 15, Tuesday.....	First day to file for admission or readmission for the Spring Quarter 1971.

WINTER QUARTER 1971

January 4, Monday.....	Registration for new and continuing students.
January 7, Thursday.....	Classes begin.
January 13, Wednesday.....	Last day to add classes.
January 21, Thursday.....	Last day for refund of Materials and Service Fee.

January 27, Wednesday
10 a.m. to 12 noon..... Convocation.

February 3, Wednesday..... Last day to drop classes without academic penalty;
last day for refund of Non-Resident Tuition Fee.

February 8, Monday-
February 19, Friday..... Registration materials available for continuing stu-
dents.

February 9, Tuesday-
February 12, Friday..... Academic advisement for continuing students.

February 15, Monday-
February 26, Friday..... Registration-by-mail period for continuing stu-
dents.

March 12, Friday..... Last day of classes.

March 15, 16, 17, 18,
Monday to Thursday..... Final examinations.

March 19, Friday..... Academic recess.

SPRING QUARTER 1971

March 29, Monday..... Registration for new and continuing students.

March 31, Wednesday..... Classes begin.

April 14, Wednesday..... Last day to add classes.

April 14, Wednesday,
10 a.m. to 12 noon..... Convocation.

April 21, Wednesday..... Last day for refund of Materials and Service Fee.

April 28, Wednesday..... Last day to drop classes without academic penalty;
last day for refund of Non-Resident Tuition Fee.

May 10, Monday-
May 19, Wednesday..... Registration materials available for continuing stu-
dents.

May 11, Tuesday-
May 14, Friday..... Academic advisement for continuing students.

May 17, Monday-
July 1, Thursday..... Registration-by-mail period for continuing stu-
dents.

May 31, Monday..... Memorial Day—All-College Holiday.

June 4, Friday..... Last day of classes.

June 7, 8, 9, 10,
Monday to Thursday..... Final examinations.

June 12, Saturday..... Commencement.

TRUSTEES OF THE CALIFORNIA STATE COLLEGES

EX OFFICIO TRUSTEES

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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 95926
- 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
- Alec L. Cory, B.A., LL.B. (1973)
530 B Street, Suite 1900, San Diego 92101

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

Edward O. Lee, B.A. (1974)
610 16th Street, Room 420, Oakland 94612

Dudley Swim, A.B., M.A. (1976)
Route 2, Box 5000, Carmel Valley Road, Carmel 93924

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., J.D. (1977)
1299 Fourth Street, San Rafael 94901

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Secretary-Treasurer

OFFICE OF THE CHANCELLOR THE CALIFORNIA STATE COLLEGES

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

Glenn S. Dumke

Chancellor

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Executive Vice Chancellor

Russell G. Whitesel

Vice Chancellor, Academic Affairs

D. Dale Hanner

Vice Chancellor, Business Affairs

C. Mansel Keene

Assistant Chancellor, Faculty and Staff Affairs

Norman Epstein

Vice Chancellor and General Counsel

Harry Harmon

Vice Chancellor, Physical Planning and Development

THE CALIFORNIA STATE COLLEGES

<p>California State College, Bakersfield 615 California Avenue, Bakersfield, California 93304</p>	
Paul F. Romberg, <i>President</i>	805 327-9101
<p>California State College, Dominguez Hills 1000 East Victoria Street, Dominguez Hills, California 90246</p>	
Leo F. Cain, <i>President</i>	213 532-4300
<p>California State College, Fullerton 800 North State College Boulevard, Fullerton, California 92631</p>	
William B. Langsdorf, <i>President</i>	714 870-2011
<p>California State College, Hayward 25800 Hillary Street, Hayward, California 94542</p>	
Ellis E. McCune, <i>President</i>	415 538-8000
<p>California State College, Long Beach 6101 East Seventh Street, Long Beach, California 90801</p>	
Stephen Horn, <i>President</i>	213 433-0951 498-4111
<p>California State College, Los Angeles 5151 State College Drive, Los Angeles, California 90032</p>	
John A. Greenlee, <i>President</i>	213 224-2011
<p>California State College, San Bernardino 5500 State College Parkway, San Bernardino, California 92407</p>	
John M. Pfau, <i>President</i>	714 887-6311
<p>California State Polytechnic College, Kellogg-Voorhis 3801 West Temple Avenue, Pomona, California 91766</p>	
Robert C. Kramer, <i>President</i>	714 964-6424
<p>California State Polytechnic College, San Luis Obispo San Luis Obispo, California 93401</p>	
Robert E. Kennedy, <i>President</i>	805 546-0111

Chico State College 1st and Normal Streets, Chico, California 95926 Robert E. Hill, <i>President</i>	916 345-5011
Fresno State College Shaw and Cedar Avenues, Fresno, California 93726 Karl Falk, <i>Acting President</i>	209 487-9011
Humboldt State College Arcata, California 95521 Cornelius H. Siemens, <i>President</i>	707 826-3011
Sacramento State College 6000 Jay Street, Sacramento, California 95819 Bernard L. Hyink, <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>President</i>	415 469-9123
San Jose State College 125 South Seventh Street, San Jose, California 95114 Hobert W. Burns, <i>Acting 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 Carl Gatlin, <i>President</i>	209 634-9101

THE CALIFORNIA STATE COLLEGES

The 19 California State Colleges, from Humboldt County in the north to San Diego in the south, comprise the largest system of public higher education in the Western hemisphere and one of the largest in the world. Current enrollment exceeds 227,000 full- and part-time students who are served by a faculty that numbers approximately 13,000.

Although San Jose State College, the oldest, was founded over a century ago, the California State Colleges were not drawn together as a system under an independent Board of Trustees until after passage of the Donahoe Higher Education Act by the Legislature in 1960.

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

Each college in the system has its own geographic and curricular character, but all emphasize the liberal arts and sciences. Programs leading to the bachelor's and master's degrees, as well as a limited number of joint doctorates, are master planned to anticipate and accommodate student interest and the educational and professional needs of the State of California. The primary responsibility of the faculty is the instructional process, with increasing recognition of the importance of the role of research as a necessary concomitant to high quality teaching.

The California State Colleges are now in the most dynamic period of their 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. California State College, Bakersfield, will open its doors to students for the first time this year. Enrollment in the system is expected to go beyond 400,000 by 1980.

CALIFORNIA STATE COLLEGE, DOMINGUEZ HILLS

ADVISORY BOARD

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Business Affairs

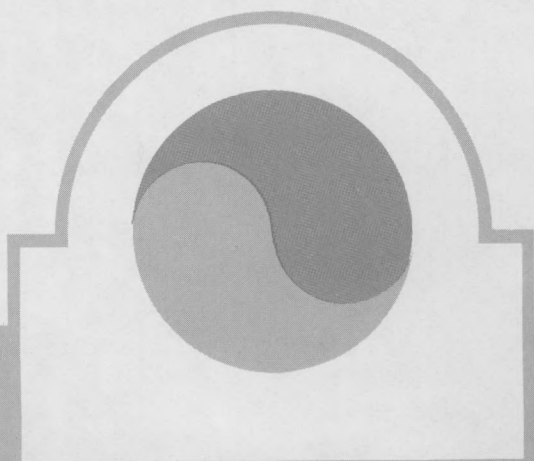
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Administrative Assistant to Business Manager.....	Sidney Goldstein
Controller.....	Edwin E. Ogren
Procurement and Support Services Officer.....	Rudolph E. Pliska
Personnel Officer.....	Joseph J. LaForm
Chief of Plant Operations.....	Woodrow W. Bush

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Senior Building Program Coordinator.....	Thomas S. Bullock
Building Program Coordinator.....	Curtis L. Groninga
Director, Institutional Studies and ADP.....	Carl Cagan
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Acting Head Public Services Librarian.....	Diane O. Sternfels
Acting Head Acquisitions Librarian.....	E. Kenneth Bennett
Head Catalog Librarian.....	Juanita W. Portis
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 and Testing.....	Hymen C. Goldman
Coordinator, Placement and Financial Aids.....	Willie O. Jones
Financial Aids Counselor.....	Gonzalo Moya
Placement Counselor.....	Jane MacHarg
Director, Educational Opportunity Program.....	John W. Smith
Associate Director, Educational Opportunity Program.....	Jorge A. Carroll
Director, Student Activities and College Cultural Program.....	William M. Hagan
Director, Health Services.....	Elsie Giorgi
Physician.....	Finster L. Paul
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, Audio-Visual Services, and Curriculum Materials Center. It is designed to meet the total informational needs of the college community.

The College Library's book collection of more than 75,000 volumes, including 850 current periodical subscriptions and a collection of bound periodicals and microfilm, is being expanded at the rate of 15,000 to 20,000 volumes a year.

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

Audio-Visual Services provides instructional media for both classroom use and independent study. The Center has over 300 films, 900 recordings, and 10,000 slides. In addition, other materials are provided through rental libraries and free loan services.

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

RESEARCH AND DATA PROCESSING SERVICES

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

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

Computer processing services are obtained through the use of the California State College Regional Data Center located at California State College at Los Angeles and through the purchase of time on commercially available computers located nearby. A high-speed tele-

processing terminal to effect data communication between the college and the site of the central computers is now being utilized. In addition, limited amounts of computing services in time-shared (or conversational) mode are available through teletypewriter units installed at the college.

INTERNATIONAL PROGRAMS

The California State Colleges offer programs of study for a full academic year at a number of distinguished universities abroad. Students study and live under the same conditions as students at the cooperating universities, but remain enrolled in the California State Colleges, where they may apply their work toward degree requirements in accordance with college regulations. The programs, which are voluntary, cooperative and systemwide in nature, are designed as bona fide academic undertakings with clearly defined educational and professional objectives.

For 1970-71, the cooperating Universities are: University of the Andes, Bogotá, Columbia; University of Aix-Marseilles, France; Free University of Berlin and University of Heidelberg, Germany; University of Ghana; 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 Uppsala University, Sweden; and National University, Taiwan.

Students are selected 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.

Programs in Ghana, 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.

Approximate cost to the student during the 1970-71 year, including round trip transportation from San Francisco, room and board for the academic year, and medical insurance, is \$2,300 for Colombia, France, Germany and Spain; \$2,000 for Israel and Taiwan; and \$2,500 for Ghana, Italy, Japan and Sweden.

Application for the 1971-72 academic year should be made early in the fall semester of 1970. Detailed information may be obtained from 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 the College Cultural Program and his staff. Student government, organizations, clubs, 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. Five commissions coordinate the various activities of the Student Association: the Academic Affairs Commission, 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

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

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

Placement services, an integral part of the 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 helped to find 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 available opportunities with interested students, 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. 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 and regulations.

In order to ascertain financial need, students are required to submit financial aids information forms. 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, emergency short-term loan fund for tuition 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. The Claudia Foote Memorial Fund has been established to provide short-term loans for students to purchase books.

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

Students with financial need entering the college Educational Opportunity Program for the first time may be eligible for grants of \$200 to \$700. These grants must also be matched with National Defense Student Loans and/or College Work-Study.

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.

Vocational Rehabilitation Services

Students who have a physical, emotional, or other disability which handicaps them vocationally may be eligible for the services of the State Department of Rehabilitation. These services include vocational counseling and guidance, training (with payment of costs such as books, fees, tuition, etc.), and job placement. Under certain circumstances students may also qualify for help with medical needs, living expenses and transportation. Appointments may be made with a counselor in the Counseling Center.

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. State College regulations and campus policy and procedures are cited in the CSCDH Statement on Student Rights and Responsibilities. Copies may be obtained from the Office of the Dean of Students or from the Student Association Office.

THE ACADEMIC PROGRAM

The undergraduate curriculum has been developed within the framework of the liberal arts and sciences. The total program, both undergraduate and graduate, is designed to preserve a balance among offerings in the humanities and fine arts, the social 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 who enter the college as freshmen consists of three segments:

1. The Basic Studies program—approximately 40% of the course work required for the bachelor's degree. Transfer students are referred to "General Education Requirements" on page 39.
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 or area not yet considered a discipline, 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

Anthropology ¹	Mathematics
Art	Music
Biological Science	Philosophy
Chemistry	Physics
Economics	Political Science
English	Psychology
French	Sociology
Geography	Spanish
History	

In addition to the above, lower division courses are offered in Japanese and German. Upper division courses in Japanese are planned for 1971-72 and in German for 1972-73.

Interdepartmental Fields of Concentration

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

¹ Juniors may begin this program in 1970-71.

GRADUATE PROGRAMS

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

Behavioral Sciences

English

Education

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

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.

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

Among 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.

Fields of Concentration

The departmental fields offered by the School are:

Art	Music
English	Philosophy
French	Spanish

The interdepartmental fields are:

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

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

In addition to the above, the School of Humanities and Fine Arts is currently offering lower division courses in Japanese and German. Upper division courses in Japanese are planned for 1971-72 and in German for 1972-73.

School Requirements for the B.A. Degree

In addition to satisfying all other college requirements for the B.A. degree, students who plan to take the degree in one of the departmental fields offered by the School of Humanities and Fine Arts must complete satisfactorily at least nine upper division full courses (or a combination of full and half courses equivalent to nine full courses) in the pattern specified for the departmental field.

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.

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.

THE SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

The School of Social and Behavioral Sciences includes departments of economics, geography, history, political science, psychology, and sociology-anthropology. In addition to the fields of concentration 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:

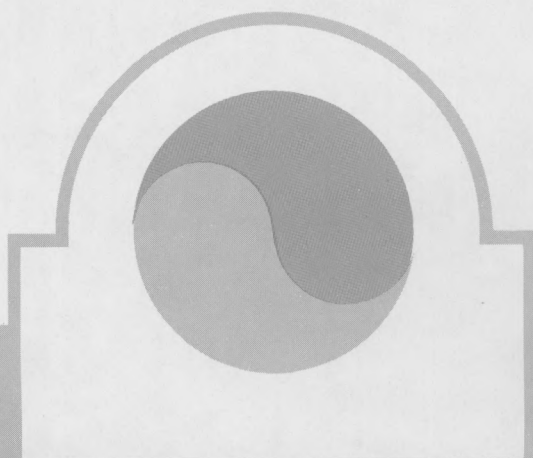
- Anthropology *
- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

The interdepartmental fields of concentration offered by the School are:

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

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

* Juniors may begin this program in 1970-71.



DEGREE REQUIREMENTS

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 as well as in all units attempted at this college.

GENERAL EDUCATION REQUIREMENTS

Basic Studies

The *California Administrative Code*, Title V, requires that all State college graduates complete minimum general education requirements. The Basic Studies program at the California State College, Dominguez Hills, consisting of 18 full courses plus 3 quarter units in health and physical education, satisfies these requirements and must be completed by all students who enter the college as freshmen. Transfer students with *less than 60 quarter units* accepted by this college must also complete the college's Basic Studies courses. (See page 28.)

Courses for Transfer Students With 60 or More Quarter Units

Transfer students with *60 or more quarter units* accepted by this college must complete the unfulfilled State general education require-

ments specified in Title V by selecting courses from the following approved list:

Natural Sciences (2 courses required—one in life science, one in physical science—lab course required)

Biological Science 102, 110

Chemistry 100, 102, 110, 112

Physics 102, 110, 200

Social Sciences (2 courses required)

History 100 (U.S. History)*

Political Science 100 (United States Constitution and California state and local government)*

Economics 100

Geography 100

Psychology 100

Anthropology 200

Social Science 200

Humanities (courses must be taken from two of three areas: literature, philosophy and fine arts)

Art 100

English 102

Music 100

Philosophy 200

Basic Subjects (English composition required)

English 100-101, 111

Mathematics 100, 110, 112, 150

Philosophy 110

Lower division foreign language courses

Electives

Select from courses not already completed in the above lists.

Certification

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

AMERICAN HISTORY AND INSTITUTIONS

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

* The Social Sciences shall include required instruction in United States History, United States Constitution, and California state and local government.

institution 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.

REQUIREMENTS UNDER WHICH A STUDENT GRADUATES

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

Continuous attendance is defined as no interruption in enrollment since the student's first registration at this college.

APPLICATION FOR GRADUATION

Undergraduates must file a Candidacy for B.A. Degree Card during the registration period for the second quarter of the senior year in order

that degree requirements may be checked. At that time the reverse side of the card must be completed, showing the final Contract Program of Studies. Graduates for June and Summer Session must return their completed cards by the end of the registration period for the winter quarter; December graduates, by the end of registration for spring quarter; March graduates, by the end of registration for fall quarter.

An application for graduation cannot be processed during the quarter in which it is filed.

If a student does not graduate in the term for which he files, he must notify the Admissions and Records Office of the new quarter in which he plans to graduate.

COLLEGE REQUIREMENTS FOR THE MASTER'S DEGREE

Advancement to Candidacy

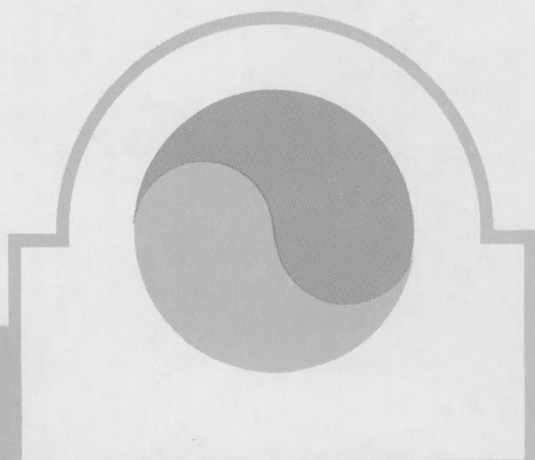
After meeting certain requirements, the student is advanced to "candidacy" which means that he has cleared the preliminary hurdles on his way to the degree and that the faculty believes he is capable of achieving it. Requirements for advancement to candidacy include: status as a "classified" student, 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 155-156.)

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. A minimum of 45 *quarter units* of approved graduate work completed within seven years of the date when all the requirements for the degree are completed, except that the college, at its option, may extend the time for students who pass a comprehensive examination in the relevant course or subject field.
 - A. Not less than 36 *quarter units* shall be completed in residence.
 - B. Not less than 22½ *quarter units* shall be in courses organized primarily for graduate students.
 - C. No more than 9 *quarter units* shall be in student teaching, extension, or a combination of student teaching and extension; and no units in student teaching or in extension classes taken at another college shall apply.
 - D. Not more than 9 *quarter units* shall be allowed for a thesis.
2. A grade point average of 3.0 (grade of B on a five-point scale) or better in all courses taken to satisfy the requirements for the degree, except that a course in which no letter grade is assigned shall not be used in computing the grade point average.

3. Completion of a satisfactory pattern of studies in an approved field of concentration. (Foreign language requirement is a policy determined by the department concerned.)
4. Completion of one or more of the following: a project in the creative arts; a thesis; a comprehensive examination. The departments will determine which alternatives are most appropriate to particular disciplines.
5. Approval of the department, the Graduate Studies Committee, and the faculty of the college.



**MAJOR FIELDS OF
CONCENTRATION AND
COURSE OFFERINGS**

AFRO-AMERICAN STUDIES

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

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

Upper Division

- A. History 254. The Afro-American from Africa through Reconstruction
History 275. Africa: Pre-Colonial Period
- B. Any three of the following in the School of Social and Behavioral Sciences, of which not more than two may be selected from the same department.
 - Anthropology 238. Peoples of Africa
 - Geography 262. Modern Africa
 - History 255. The Afro-American from Reconstruction to the Present
 - History 276. Africa: Colonialism to Independence
 - Political Science 238. New States in World Politics
 - Political Science 249. Government and Politics in Sub-Saharan Africa
 - Psychology 246. Psychology of Identity: Black Experience
 - Sociology 216. Black Communities: Class, Status, and Power
 - Sociology 235. Social Movements: Black Awareness
 - Sociology 260. Minority Racial and Ethnic Relations
- C. Any two courses from the following list in the School of Humanities and Fine Arts.
 - Art 254. Afro-American Art
 - Art 265. Art of Black Africa
 - English 243. Black Poetry
 - English 244. Afro-American Literature
 - Music 252. Afro-American Music
- D. An elective outside the student's departmental field from sections B and C or any of the following:
 - Anthropology 210. Culture and Personality
 - Anthropology 220. Urban Anthropology
 - †Economics 245. Economic Development and Underdevelopment
 - Political Science 220. Urban Government and Politics
 - Political Science 248. The Politics of Developing Areas
 - Philosophy 270. Philosophy in the Modern World
- 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

The interdepartmental field in American Business and Economic Systems is designed to provide a broad understanding of business enterprise, both in terms of its main functions and of its current and historical social environment.

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 213. Economics of the Firm
- †Economics 254. Corporate Financial Management
- †Economics 255. Theory and Use of Business Accounting
- Economics 260. Management in Theory and Practice

B. Three upper division courses selected from departments other than the student's departmental major, to be decided upon in consultation with the adviser.

C. The senior seminar in this field.

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)

† Consult course description for prerequisites

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 255. American Pragmatism
- 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

REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ANTHROPOLOGY

Lower Division *

- Anthropology 110. Cultural Anthropology
- Anthropology 111. Physical Anthropology
- Mathematics 150. Elementary Statistics and Probability

Upper Division

A. Required courses:

- Anthropology 250. Archaeology and Prehistory
- Anthropology 285. Ethnological Theory

B. Two area courses from the following:

- Anthropology 230. Indians of North America
- Anthropology 232. Contemporary Cultures of Latin America
- Anthropology 234. Peoples of the Pacific
- Anthropology 235. Peoples of East Asia
- Anthropology 236. Peoples of Southeast Asia
- Anthropology 238. Peoples of Africa

C. Five additional courses from among the following:

- Anthropology 210. Culture and Personality
- Anthropology 212. Language and Culture
- Anthropology 215. Ethnology of Religion
- Anthropology 220. Urban Anthropology
- Anthropology 240. Social Anthropology
- Anthropology 260. Folklore
- Anthropology 298. Independent Study
- Art 262. Pre-Columbian Art

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)

* It is recommended that students intending to go on to graduate work in anthropology should take a year or more of a foreign language.

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.*¹

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)

- 215. ETHNOLOGY OF RELIGION.** Comparative study of magico-religious systems; role of magic and religion in society; origins, forms, elements, symbolism of non-Western religion.

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)

- 232. CONTEMPORARY CULTURES OF LATIN AMERICA.** Analysis of modern day cultures in Middle America, the Caribbean, and South America with emphasis on the ethnohistoric background and the changing social systems.

Full Course (4)

- 234. PEOPLES OF THE PACIFIC.** Comparative analysis of the cultures of the Pacific Islands; historical, cultural, and ecological backgrounds of Polynesia, Micronesia, and Melanesia.

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)

- 236. PEOPLES OF SOUTHEAST ASIA.** Comparative analysis of the cultures of Southeast Asia; historical, cultural, and ecological background of the region.

Full Course (4)

- 238. PEOPLES OF AFRICA.** Comparative analysis of the cultures of Sub-Saharan Africa; historical, cultural, and ecological backgrounds of the regional ethnic groups.

Full Course (4)

¹ Anthropology majors should take Sociology 200 to meet Basic Studies requirement.

240. SOCIAL ANTHROPOLOGY. Structural-functional approach to the comparative study of human institutions, and their place within the total social structure and cultural principles by means of which they are organized. Study of kinship systems and their relation to the culture and history. Focus on non-Western societies.

Full Course (4)

250. ARCHAEOLOGY AND PREHISTORY. Objectives and methods of modern archaeology. Contributions of archaeology toward the understanding of the development of human culture; origin, development and distribution of prehistoric and non-recorded cultures of the world.

Full Course (4)

260. FOLKLORE. Theory and method in the study and collection of folktales, myths, legends, proverbs, riddles, and other forms of verbal tradition. *Prerequisites: Anthropology 110 or Anthropology 200 and consent of instructor.*

Full Course (4)

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

Full Course (4)

298. INDEPENDENT STUDY. Independent study of a particular problem under the direction of a member of the anthropology department. *Prerequisite: Consent of the instructor.*

One-Half Course (2) * or 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)

* Repeatable Course

ART

REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN ART

Lower Division

- Art 180. Painting and Drawing Workshop I
- Art 190. Three-Dimensional Media Workshop I

Upper Division

- Art 210. The Art of Greece and Rome
- Art 215. Medieval Art
- Art 220. Renaissance Art
- Art 225. Baroque Art
- Art 230. Nineteenth Century 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 208. Art of Egypt and the Near East
- Art 231. Twentieth Century Art
- Art 235. Oriental Art I *or*
- Art 236. Oriental Art II
- Art 250. American Art and American Society
- Art 253. Art of California and the Southwest
- Art 254. Afro-American Art
- Art 260. Latin American Art
- Art 262. Pre-Columbian Art
- Art 265. Art of Black Africa
- Art 270. Twentieth Century Artists: Their Writings and Their Art
- Art 291. Special Studies in Art

Select by advisement either

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

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. VISUAL ELEMENTS WORKSHOP.** A foundation course introducing the various elements and principles of design and vision with emphasis on structure, color study, and composition. *Three hours per week plus additional work by arrangement.*

One-Half Course (2)*

- 180. PAINTING AND DRAWING WORKSHOP I.** A studio course introducing the student to problems of pictorial space and organization through the use of two-dimensional drawing and painting media, with emphasis on individual expression and critical analysis of the student's own work. *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

- 208. ART OF EGYPT AND THE NEAR EAST.** The architecture, sculpture, painting, and minor arts of Egypt and the Near East from the beginnings of civilization to the time of Alexander the Great.

Full Course (4)

- 210. THE ART OF GREECE AND ROME.** The architecture, sculpture, painting, and minor arts of ancient Greece and Rome from the 3rd millennium B.C. to ca. 315 A.D.

Full Course (4)

- 215. MEDIEVAL ART.** The architecture, painting, sculpture, and minor arts of Europe and the Near East from the founding of Constantinople to ca. 1400. *Prerequisite: Art 210 or consent of instructor.*

Full Course (4)

- 220. RENAISSANCE ART.** The architecture, painting, and sculpture of Western Europe in the fifteenth and sixteenth centuries. *Prerequisite: Art 215 or consent of instructor.*

Full Course (4)

- 225. BAROQUE ART.** The architecture, painting, and sculpture of Western Europe in the seventeenth and eighteenth centuries. *Prerequisite: Art 220 or consent of instructor.*

Full Course (4)

- 230. NINETEENTH CENTURY ART.** The architecture, painting, and sculpture of Europe in the nineteenth century. *Prerequisite: Art 225 or consent of instructor.*

Full Course (4)

- 231. TWENTIETH CENTURY ART.** The architecture, painting, and sculpture of Europe and the United States in the Twentieth Century. *Prerequisite: Art 230 or consent of instructor.*

Full Course (4)

* Repeatable Course

- 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)
- 253. ART OF CALIFORNIA AND THE SOUTHWEST.** The art and architecture of California, Arizona, New Mexico, Texas and contiguous areas from prehistoric to more recent times. Emphasis on the nature of regional variations related to broader art historical movements.
Full Course (4)
- 254. AFRO-AMERICAN ART.** A study of selected works in Afro-American culture including an examination of African and other influences.
Full Course (4)
- 255. HISTORY OF URBAN AESTHETICS.** Explores the aesthetic problems of design within the framework of the development of urbanization.
Full Course (4)
- 260. LATIN AMERICAN ART.** The architecture, painting, and sculpture of the various Latin American nations from the conquest to present times.
Full Course (4)
- 262. PRE-COLUMBIAN ART.** The architecture, sculpture, painting, and minor arts of the pre-Columbian cultures of the Western Hemisphere with emphasis on Mexico and Peru.
Full Course (4)
- 265. ART OF BLACK AFRICA.** A study of the civilization and culture of Black Africa through the examination of architecture, painting, sculpture and related arts.
Full Course (4)
- 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-centuryness" 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. PAINTING AND DRAWING WORKSHOP II.** A continuation of Art 180. *Three hours per week plus additional work by arrangement. Prerequisite: Upper division standing.*

One-Half Course (2)*

* Repeatable Course

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.

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)

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

Full Course (4)

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

Full Course (4)

* Repeatable course.

BEHAVIORAL SCIENCES

An Interdepartmental Field of Concentration

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

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

Lower Division

† Mathematics 150. Elementary Statistics and Probability

Upper Division

- A. Choice of any five upper division courses in the core areas of the behavioral sciences—anthropology, psychology, or sociology (excluding Anthropology 200 or Sociology 200). Students may take no more than two courses in a single discipline, and must choose courses from disciplines other than the departmental major. The five courses may include one of the following courses, which also approach human behavior in a systematic fashion:

Economics 285. Economic Policy and Social Values

†English 219. Psycholinguistics

Philosophy 231. Social and Political Philosophy

Philosophy 260. Selected Works in Existentialist Thought

Political Science 214. American Political Parties and Elections

Political Science 270. Public Opinion and Propaganda

Political Science 271. The Dynamics of Political Change

- B. One course, selected from the following, relating biology and human behavior:

†Biological Science 230. Population Biology

—†Biological Science 232. Ecology

†Biological Science 246. Human Heredity

†Psychology 217. Neuropsychology

†Psychology 218. Comparative Psychology

- C. Two courses, selected from the following, relating to the history and/or theory of the behavioral sciences—not more than one course from a single discipline:

—Anthropology 285. Ethnological Theory

Philosophy 230. The Nature of Scientific and Humanistic Inquiry

Political Science 236. Theories of International Relations

Political Science 252. Theories of the Political System

Psychology 225. History and Systems of Psychology

—Psychology 260. Theories of Personality

—Sociology 255. Modern Sociological Theories

- D. The senior seminar in this field.

† Consult course description for prerequisites.

COURSE OFFERING

Upper Division

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

Full Course (4)

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. 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) *Biological Science 412.* Seminar in Biological Bases of Behavior.

3) *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.

4) *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.

5) 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)

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) *

* Repeatable Course

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.

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

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

Education 430. THE TEACHING OF ENGLISH AS A SECOND LANGUAGE. See Education Course Offerings.

Education 450. EDUCATION AND HUMAN DEVELOPMENT. See Education Course Offerings.

Education 460. PSYCHOLOGY AND EDUCATION OF THE GIFTED. See Education Course offerings.

Education 470. THE EDUCATION OF DISADVANTAGED LEARNERS. See Education Course Offerings.

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

Psychology 410. SEMINAR IN LEARNING. 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.

Psychology 460. SEMINAR IN PERSONALITY. 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

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

Upper Division

Biological Science 210-212. Organism Biology I and II
Biological Science 214. Developmental Biology
Biological Science 220. Cell Biology
Biological Science 230. Population Biology
Biological Science 240. Genetics
Biological Science 294. Senior Seminar in Biology (One-Fourth Course)
Chemistry 210. Organic Chemistry I

Two full courses selected from:

Biological Science 222. Microanatomy of Cells and Tissues
Biological Science 224. Microbiology
Biological Science 232. Ecology
Biological Science 250. Plant Physiology
Biological Science 252. Animal Physiology
Biological Science 281. Laboratory in Selected Topics in Biology
Biological Science 295. Selected Topics in Biology
Biological Science 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 Biological Science 110. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Biological Science 110 and Chemistry 114.*

Full Course (4)

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

Full Course (4)

Upper Division

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

Full Course (4)

212. ORGANISM BIOLOGY II. Chemical and nervous control mechanisms, periodicity and rhythms, locomotion and behavior. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 210.*

Full Course (4)

214. DEVELOPMENTAL BIOLOGY. Development of plants and animals, including gametogenesis, fertilization, morphogenesis and cell differentiation. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 212.*

Full Course (4)

220. CELL BIOLOGY. 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: Biological Science 114 and Chemistry 120.*

Full Course (4)

222. MICROANATOMY OF CELLS AND TISSUES. Structure and organization of cells during division, growth and development and their integration into tissues. *Two hours of lecture and six hours of laboratory per week. Prerequisite: Biological Science 114 and Chemistry 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: Biological Science 220, or Biological Science 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: Biological Science 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: Biological Science 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: Biological Science 114.*

Full Course (4)

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

256. HUMAN ANATOMY AND PHYSIOLOGY. Anatomical structure and the biological processes occurring in the organ systems of man. Designed for nonbiological science majors. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Biological Science 102 and Chemistry 100. Not open for credit to Biological Science majors.*

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: Biological Science 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: Biological Science 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)*

* Repeatable Course

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)*

Graduate

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

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

Upper Division

Chemistry 210. Organic Chemistry I
Chemistry 212-214. Organic Chemistry II, III
Chemistry 211-213. Organic Chemistry Laboratory I, II
Chemistry 220-222-224. Physical Chemistry
Chemistry 230-231. Analytical Chemistry
Chemistry 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)

Upper Division

210. ORGANIC CHEMISTRY I. A systematic study of organic compounds, with emphasis on molecular structure and reaction mechanisms. Introduction to spectroscopic methods of analysis of organic compounds. Basic experimental techniques. *Three hours of lecture and three hours of laboratory per week. Prerequisite: Chemistry 114.*

Full Course (4)

211. ORGANIC CHEMISTRY LABORATORY I. Preparation of organic compounds. Introduction to infrared spectroscopy, gas chromatography, and other instrumental methods. *Eight hours of laboratory per week. Prerequisite: Chemistry 210; and 212, or concurrent enrollment in Chemistry 212.*

One-Half Course (2)

212. ORGANIC CHEMISTRY II. A continuation of Chemistry 210 with emphasis on aromatic systems; spectroscopic methods of structure determination; and structures and reactions of organic compounds containing oxygen, sulfur, and nitrogen. *Prerequisite: Chemistry 210.*

Full Course (4)

213. ORGANIC CHEMISTRY LABORATORY II. Preparation of organic compounds. Introduction to qualitative and quantitative organic analysis. Methods of investigating reaction mechanisms. *Eight hours of laboratory per week. Prerequisites: Chemistry 211 and 212.*

One-Half Course (2)

214. ORGANIC CHEMISTRY III. Polyfunctional systems, heterocyclics. Advanced aspects of theoretical organic chemistry. *Prerequisite: Chemistry 212.*

Full Course (4)

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 210 and Chemistry 220 and concurrent enrollment in Chemistry 231. (Chemistry 212 and Chemistry 222 recommended.)*

Full Course (4)

231. LABORATORY IN ANALYTICAL CHEMISTRY. *Six hours of laboratory per week. Prerequisite: Concurrent enrollment in Chemistry 230.*

One-Half Course (2)

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

Full Course (4)

250. BIOCHEMISTRY. 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)

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)*

* Repeatable Course

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)

* Not offered in 1970-71.

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.
 - † Biological Science 260. Biological Oceanography
 - † Biological Science 264. Paleontology
 - † Chemistry 270. Chemical Oceanography
 - † Chemistry 274. Geochemistry
 - † Chemistry 276. Mineralogy and Crystallography
 - Geography 205. Cartography
 - 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.

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
 - Art 236. Oriental Art II
 - † 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
 - Geography 270. Geography of East Asia
 - History 253. The Asians in America
 - History 272. Modern China
 - History 274. Modern Japan
 - Political Science 241. Government and Politics of East Asia
 - Political Science 242. Government and Politics of South Asia
 - Sociology 235. Social Movements: Asian American Experience
 - C. Two additional courses selected by advisement from the above lists or from Chinese and Japanese language.
 - D. The senior seminar in this field.
- One or two years of college-level study of Chinese or Japanese language is recommended as electives.

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

Nine courses in economics, as follows:

A. One course selected from:

- Economics 210. Intermediate Price Theory
- Economics 211. Intermediate Macro-Economic Theory
- Economics 213. Economics of the Firm

B. Two courses selected from:

- Economics 223. Selected Topics in Monetary and Fiscal Policy
- Economics 227. Fiscal and Monetary Theory
- Economics 240. International Economics

C. One course selected from:

- Economics 215. American Economic History
- Economics 216. Economic History of Europe
- Economics 221. History of Economic Thought
- Economics 222. Monetary and Fiscal History of the United States

D. Four additional upper division courses in economics

E. Economics 295. Senior Seminar in Economics

NOTE: In choosing the additional courses in D, 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)

211. INTERMEDIATE MACRO-ECONOMIC THEORY. Analysis of factors underlying the level of economic activity with emphasis on such topics as inflation, unemployment and stabilization policy. *Prerequisite: Economics 110 and 111.*

Full Course (4)

213. ECONOMICS OF THE FIRM. Decision-making in business firms; economic theory and management control; market structure, pricing, and output; the budgetary process and business planning; business behavior and social costs. *Prerequisites: 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)

222. MONETARY AND FISCAL HISTORY OF THE UNITED STATES. Economic interpretation of the development of monetary and fiscal processes in the American economy from colonial times to the Second World War, with emphasis on the effects these processes had on the attainment of national economic goals (e.g., economic growth, price stability, and balance of payments equilibrium). *Prerequisites: Economics 110 and 111.*

Full Course (4)

223. SELECTED TOPICS IN MONETARY AND FISCAL POLICY. Selected topics in both monetary and fiscal policy will be studied and evaluated in terms of policy implications and social impact. Topics to be included: market structure in banking, velocity, financial intermediaries, international financial developments, inter-governmental fiscal relations, new concepts in fiscal administration. *Prerequisites: Economics 110 and 111.*

Full Course (4)

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

Full Course (4)

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)

254. CORPORATE FINANCIAL MANAGEMENT. Corporate financial planning, emphasizing the development of decision models used in generating corporate financial policy. Capital budgeting, trade credit policy, cash planning and dividend and capital structure policies. *Prerequisites: Economics 110 and 111.*

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)

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

Full Course (4)

298. INDEPENDENT STUDY. Individual study of some topic or problem under the supervision of a member of the Economics Department. *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)

* Repeatable Course

EDUCATION

Credential Programs

The Graduate Institute in Education offers programs of teacher preparation leading to the standard elementary and secondary teaching credentials. 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 enrolling in 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 300. Field Studies in Education
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 300. Field Studies in Education
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.

Master's Degree

The Master of Arts degree in Education is planned as a full year, four-quarter program. The degree will be first offered with two areas of specialization: Socio-Philosophical Foundations of Education; and Curriculum, with emphasis on Elementary or Secondary Education.

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

Students seeking admission to the graduate program leading to the Master of Arts in Education should confer with a faculty adviser. Specific admission requirements are outlined in a brochure which may be obtained in the Graduate Institute of Education Office.

REQUIREMENTS FOR THE MASTER OF ARTS IN EDUCATION

The degree requires completion of the following:

1. A total of *45 units* (including thesis) of which at least 20 are in the area of special concentration and not more than 12 are earned from upper division courses.
2. A *thesis* (up to 9 units). A student must be advanced to candidacy before he may begin formal work on his thesis. At the discretion of the degree committee, a creative special project could be used to satisfy this requirement.
3. *Recommendation* of the degree committee.

Core Courses Required of All Students

Education 400. Seminar: The Critique and Analysis of Research in Education
Education 451. Seminar: Bio-Psychological Issues in Learning and Development
Education 455. Seminar: Socio-Cultural Aspects of Learning and Development
Education 499. Thesis (4 to 9 units)

Special Concentration in Socio-Philosophical Foundations of Education

Education 482. Philosophies of Education
Education 484. Advanced Sociology of Education *or*
Education 485. Advanced Philosophy of Education
14-22 units in cognate field courses from Sociology or Philosophy, with consent of adviser, *or*
Education 425. Comparative Education
Education 470. The Education of Disadvantaged Learners
Education 476. Issues in Education
Education 498. Independent Study: Social or Philosophical Foundations

Special Concentration in Curriculum

Education 420. The Process of Curriculum Development
Education 421. Seminar: The Process of Curriculum Development
12 units in cognate field courses at upper division or graduate level, with consent of adviser.
Approved electives to complete the minimum requirement of 45 quarter units in either cognate or alternate fields.

COURSE OFFERINGS IN EDUCATION

Graduate Professional

- 300. FIELD STUDIES IN EDUCATION.** Assignment of students to field settings for initial teaching responsibilities. Emphasis on study of individuals and small groups and on planning appropriate activities within the school. *Required of all credential candidates during the first quarter of the professional program. One hour of lecture with field work by arrangement.*

One-Half Course (2)

- 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.

One and One-Half Courses (6)

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

One and One-Half Courses (6)

397. SEMINAR IN STUDENT TEACHING. Weekly meetings with faculty supervisors and supervising teachers. *Required for all elementary and secondary student teachers. Taken concurrently with Education 390-391; 395-396. Repeated once for credit.*

One-Half Course (2)*

Graduate

400. SEMINAR: THE CRITIQUE AND ANALYSIS OF RESEARCH IN EDUCATION. Considerations of assumptions and techniques of educational research ranging from the theoretical to the empirical. Review of pertinent research studies in emphasizing their applicability to general and specific educational problems. Analysis of statistical concepts. Preview of sources of educational research. *Prerequisite: An ability to interpret statistics.*

Full Course (4)

420. THE PROCESS OF CURRICULUM DEVELOPMENT. A course designed to review contemporary developments in curriculum theory and practice, to provide experience in development of units of instruction, to develop criteria for evaluating published curriculum materials. *Prerequisites: Graduate standing; basic teaching credential, or consent of instructor.*

Full Course (4)

421. SEMINAR: THE PROCESS OF CURRICULUM DEVELOPMENT. Development of curriculum proposals applicable to local districts and problems; development and defense of total curriculum proposal related to major educational problem or to local district need; critique of curriculum proposals of other seminar members. *Prerequisites: Education 420; admission to graduate standing and to the master's program in the Graduate Institute of Education.*

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)

* Repeatable Course

- 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)

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

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)

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

Full Course (4)

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

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

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

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

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

(4 to 9 units)

* 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

- A. Five courses, of which one must be in a literary period prior to 1800:
 - One in English literature (except 295);
 - One in American literature (except 296);
 - One in world literature;
 - Two other courses.
- B. English 210. Introduction to Linguistics
- C. One course selected from the following:
 - English 213. History of the English Language
 - English 214. The Structure of English
 - English 216. Linguistic Analysis
- D. One of the following:
 - English 295. Seminar in Special Topics in British Literature *or*
 - English 296. Seminar in Special Topics in American Literature
- E. English 298. Independent Study—Senior Project
(Either of a critical or creative nature)

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 43.)

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)

- 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 interdepartmental 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) *

- 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)

* Repeatable Course

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 morpho-phonemics; 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)*

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

Full Course (4)

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

Full Course (4)

* Repeatable Course

- 231. READINGS IN BRITISH LITERATURE: DRAMA AND PROSE.** Intensive study of selected major writers and periods. *Prerequisite: English 102 or equivalent. English 230 and 231 may be taken separately and in either order.*
Full Course (4)
- 235. READINGS IN WORLD LITERATURE.** Intensive study of selected major writers from the world's literature, read in translation. *Prerequisite: English 102 or equivalent.*
Full Course (4)
- 237. CONTEMPORARY MEXICAN-AMERICAN LITERATURE.** Study of the intellectual contributions in all genres of literature by Mexican-Americans. Course conducted in English, but knowledge of Spanish helpful. *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)
- 243. BLACK POETRY.** A study and analysis of the historical development of Black poetry in Africa and the New World. A comparison of poems from the diaspora of the New World with the colonial situation of Africa. Special emphasis on contemporary poets.
Full Course (4)
- 244. AFRO-AMERICAN LITERATURE.** A study of selected Afro-American works of fiction and non-fiction.
Full Course (4)
- 245. LITERARY CRITICISM.** Exploration of major critical systems for the judgment of literary works. Exercises in practical criticism. *Prerequisite: English 230, 235, or equivalents.*
Full Course (4)
- 246. DRAMATIC THEORY AND CRITICISM.** Analysis of dramatic theory and criticism from Aristotle to the present. *Prerequisite: English 102 or equivalent.*
Full Course (4)
- 250. ADVANCED COMPOSITION.** Advanced practice in expository writing. *Prerequisite: English 100 and 101.*
Full Course (4)
- 251. CREATIVE WRITING.** Practice in various forms of imaginative writing. *Prerequisite: English 101 and consent of instructor.*
Full Course (4)*

* Repeatable Course

- 261. HISTORY OF THE THEATER I.** Development of the theater from ancient times through the sixteenth century, studied in relation to the cultural environment.
Full Course (4)
- 262. HISTORY OF THE THEATER II.** Development of the theater from the seventeenth century on, studied in relation to the cultural environment.
Full Course (4)
- 264. WORLD DRAMA IN TRANSLATION.** Survey of major dramatic works from classical Greece to the modern period, including the Orient. Includes such writers as Sophocles, Plautus, Lope de Vega, Molière, Goethe, Kalidasa, and Chikamatsu. *Prerequisite: English 102.*
Full Course (4)
- 265. DEVELOPMENT OF THE ENGLISH DRAMA.** Survey of major English dramatists (excluding Shakespeare) from the beginnings (ca. 1550) through the eighteenth century. Includes such playwrights as Marlowe, Jonson, Beaumont and Fletcher, Webster, Congreve, Dryden, Lillo, Steele, Goldsmith, and Sheridan. *Prerequisite: English 102.*
Full Course (4)
- 267. SHAKESPEARE.** Selected comedies, histories, and tragedies. *Prerequisite: English 102 or equivalent.*
Full Course (4)
- 269. MODERN THEATER.** The major movements and trends in drama and theater from Ibsen to the present. Considers realism, naturalism, expressionism, symbolism, theatricalism, and absurdism. *Prerequisite: English 102.*
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. *Prerequisites: English 210 and 214.*
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)

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—SENIOR PROJECT. Readings and research leading to a scholarly, critical written work. The option exists for the project to be creative. *Prerequisite: Consent of instructor.*

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)

491. SEMINAR: SPECIAL TOPICS IN BRITISH LITERATURE. Intensive study of a single author, period, or literary genre. *Prerequisite: Consent of instructor.*

Full Course (4)

493. SEMINAR: SPECIAL TOPICS IN AMERICAN LITERATURE. Intensive study of a single author, period, or literary genre. *Prerequisite: Consent of instructor.*

Full Course (4)

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 295. Seminar in Special Topics in French Literature

French 298. Independent Study

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

205. ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS. A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. *Prerequisite: French 122 or consent of the instructor.*

Full Course (4)

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)

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

Full Course (4)

* Repeatable Course

253. HISTORY OF FRENCH LITERATURE II. A study of the history and development of French literature from the eighteenth century through modern times. *Prerequisite: Two years of college French or equivalent.*

Full Course (4)

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

Full Course (4)

297. DIRECTED RESEARCH. A project of creative research. *Prerequisite: Consent of instructor.*

Full Course (4)

298. INDEPENDENT STUDY. *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

- A. Three courses in systematic fields of geography:
 - Geography *224. Population and Environment
 - Geography 225. Economic Geography I
 - Geography 226. Economic Geography II
 - Geography 235. Urban Geography
 - Geography 246. Political Geography
- B. Three courses in physical or environmental geography:
 - Geography 210. Geomorphology
 - Geography 215. Weather and Climate
 - Geography 220. Natural Resources
 - Geography 222. Contemporary Environmental Problems
 - Geography *224. Population and Environment
- C. One course in geographic techniques:
 - Geography 205. Cartography
 - Geography 206. Quantitative Models and Map Analysis
- D. One course in regional geography:
 - Geography 260. Geography of the United States and Canada
 - Geography 262. Modern Africa
 - Geography 264. Geography of Latin America
 - Geography 270. Geography of East Asia
- E. One elective course in geography or a related field, chosen in consultation with the student's adviser.

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)

* Geography 224 may satisfy a requirement in A or B, but not in both.

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)*

Upper Division

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

* Repeatable Course

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

Full Course (4)

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

Full Course (4)

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)

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

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)*

* Repeatable Course

GERMAN

COURSE OFFERINGS IN GERMAN

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

Lower Division

- 110. FIRST-QUARTER GERMAN.** Basic instruction in German. Training in speaking, listening, reading, and writing for students who have had no previous work in German.
Full Course (4)
- 111. SECOND-QUARTER GERMAN.** A continuation of German 110. *Prerequisite: German 110 or a satisfactory score on a placement test.*
Full Course (4)
- 112. THIRD-QUARTER GERMAN.** A continuation of German 111. *Prerequisite: German 111 or a satisfactory score on a placement test.*
Full Course (4)
- 120. 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 ($\frac{1}{2}$)*

- 118. FIRST AID AND EMERGENCY CARE.** Encouragement of good safety attitudes. Preparation for administering first aid and prevention of accidents and injuries. Instruction in obtaining treatment for common injuries and use of lifesaving skills.

One-Half Course (2)

- 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 110-111-112. World Civilization I, II, III (Two quarters required)

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. WORLD CIVILIZATION I. A study of world civilization through analysis of selected periods and topics and their representative cultural expressions: emphasis on the Mediterranean, Asian and European experience; origins of civilization to eleventh century. *Two hours of lecture and two hours of group discussion per week.*

Full Course (4)

111. WORLD CIVILIZATION II. A study of world civilization through analysis of selected periods and topics and their representative cultural expressions: emphasis on the Mediterranean, Asian and European experience; eleventh century to early eighteenth century. *Two hours of lecture and two hours of group discussion per week.*

Full Course (4)

112. WORLD CIVILIZATION III. A study of world civilization through analysis of selected periods and topics and their representative cultural expressions: emphasis on the Mediterranean, Asian and European experience; eighteenth century to the present. *Two hours of lecture and two hours of group discussion per week.*

Full Course (4)

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

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. *Recommended that this course be taken in the junior year.*

Full Course (4)

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 to the fourteenth century; the development of medieval institutions, including feudalism and the Church; the rise of the city and the growth of capitalism.

Full Course (4)

223. RENAISSANCE AND REFORMATION. The Italian Renaissance through the Thirty Years' War: the rise of national states, the Protestant revolt, the counter-reformation, the hegemony of Spain, and the attendant commercial revolution of the Atlantic world.

Full Course (4)

224. EARLY MODERN EUROPE. Political, economic and intellectual foundations of modern Europe from the seventeenth-century absolute monarchy of France to the Congress of Vienna: the age of absolutism, the Enlightenment, the era of the French Revolution and Napoleon.

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. TUDOR-STUART ENGLAND. England from 1485 to 1688. Analysis of constitutional, religious, and social developments in a revolutionary era: English Reformation; Elizabethan Age; English Civil War; Glorious Revolution.

Full Course (4)

231. HANOVERIAN ENGLAND. Glorious Revolution to First Reform Act. Search for stability and threats to stability in early modern England: Classical Age of the Constitution; First English Empire; Commercial, Agricultural and Industrial Revolutions; Second Hundred Years' War.

Full Course (4)

232. MODERN ENGLAND. England from 1832 to the present. The realization of democracy and a changing world role: age of Peel; age of equipoise; imperialism and the rise of labor; impact of total wars; economic and social change; the welfare state.

Full Course (4)

234. THE BRITISH EMPIRE AND COMMONWEALTH. A survey of the post-Napoleonic developments in the British Empire, with emphasis on the separate cultures of dependent areas, dominion nationalism, and the theory of imperialism.

Full Course (4)

235. MODERN 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)

237. MODERN GERMANY. A study of Germany from 1848 to the present. Concentration on the internal development of the nation in the periods of revolution and unification, the Bismarckian and Wilhelmine eras, the twentieth century experiences of war, totalitarianism, and the struggle for democracy.

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: WAR AND DEPRESSION. Major developments in American life and institutions from the beginning of World War I to the end of World War II. Consideration of the social, economic and political implications of prosperity, depression, and two world wars.

Full Course (4)

249. UNITED STATES: RECENT PERIOD. Major developments in American life and institutions since World War II. Consideration of domestic politics from Truman to Nixon, effects of mass technology, the civil rights struggle, and confrontations with the communist world.

Full Course (4)

250. 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)

253. THE ASIANS IN AMERICA. A survey of the history of the Asians in America from immigration to the present, including patterns of settlement, problems encountered, and contributions to American culture, with special emphasis upon new areas of research.

Full Course (4)

254. THE AFRO-AMERICAN FROM AFRICA THROUGH RECONSTRUCTION. Consideration of the impact of general historical development upon the Black American and his significance in American history, with attention to political, economic, legal, social, and cultural aspects; includes study of the institution of slavery and the struggle for freedom.

Full Course (4)

255. THE AFRO-AMERICAN FROM RECONSTRUCTION TO THE PRESENT. Consideration of the impact of general historical development upon the Black American and his significance in United States history, with attention to political, economic, legal, social, and cultural aspects. Includes study of race relations and the circumstances and aspirations of the Black man in an industrial age.

Full Course (4)

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)

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

Full Course (4)

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

Full Course (4)

- 274. MODERN JAPAN.** Japan from the late Tokugawa period to the present. Western impact on traditional Japan and the Japanese response; the development of a modern state, economy and society.

Full Course (4)

- 275. AFRICA: PRE-COLONIAL PERIOD.** An analysis designed to develop the students' interpretive understanding of the historical and political developments in African societies; concentration on the tribal foundations of African civilizations.

Full Course (4)

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

- 284. THE CITY IN HISTORY.** The rise of the city from earliest times to the present, tracing the establishment and growth of cities as institutions and the development of the process of urbanization; comparison of selected cities.

Full Course (4)

- 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 *or*
 - †Mathematics 236. Mathematical Logic I
- †Mathematics 250. Probability and Statistics I
- †Mathematics 260. Computational Methods *or*
 - †Mathematics 162. Machine Level Programming

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

JAPANESE

COURSE OFFERINGS IN JAPANESE

Lower Division

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

Full Course (4)

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

Full Course (4)

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

Full Course (4)

- 120. FOURTH-QUARTER JAPANESE.** A continuation of Japanese 112. Also introduction to the mature prose styles of newspapers, journals, and reference works as well as literary works. *Prerequisite: Japanese 112 or equivalent.*

Full Course (4)

- 121. FIFTH-QUARTER JAPANESE.** A continuation of Japanese 120. *Prerequisite: Japanese 120 or equivalent.*

Full Course (4)

- 122. SIXTH-QUARTER JAPANESE.** A continuation of Japanese 121. *Prerequisite: Japanese 121 or equivalent.*

Full Course (4)

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:

Art 260. Latin American Art

Art 262. Pre-Columbian Art

†Spanish 231. Techniques of Literary Study II *

Spanish 251. Contemporary Hispanic Culture: Latin American *

†Spanish 261. The Mexican Theater

Independent Studies selected with approval of adviser (4-8 units)

B. Three courses from School of Social and Behavioral Sciences selected from such courses as:

Anthropology 232. Contemporary Cultures of Latin America

Geography 264. Geography of Latin America

History 260. Latin America: Colonial Period

History 262. Latin America: National Period

History 264. Mexico

Political Science 243. Political Behavior in Latin America I

Political Science 244. Political Behavior in Latin America II

Sociology 222. Social Change in Developing Countries

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.

† Consult course description for prerequisites.

LINGUISTICS

An Interdepartmental Field of Concentration

The interdepartmental program in linguistics is designed to enable the student to pursue an investigation of language as a formal system and as a psychological and historical phenomenon. The program provides a series of courses emphasizing attempts to describe and explain language and focusing on current theories and methods of linguistic analysis.

REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN LINGUISTICS

Upper Division

- A. 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 the English Language
 - †English 215. The History of Linguistic 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. 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 (8 units) selected from:

Mathematics 224-226. Functions of a Real Variable
Mathematics 236-238. Mathematical Logic I, II
Mathematics 240-242. Topology
Mathematics 250-252. Probability and Statistics I, II
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.

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 as well as a placement test.*

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. *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. MACHINE LEVEL PROGRAMMING. Instruction in machine language programs; programming of problems in assembly language; study of macros, input/output, interrupts, assemblers, and macro languages. *Prerequisite: Mathematics 180.*

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)

216. DIFFERENTIAL GEOMETRY. Classical theory of curves in three-space; frame fields; differential forms; surface theory; integration of forms and Stoke's Theorem. *Prerequisite: Mathematics 116.*

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; Godel'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. *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)*

297. DIRECTED STUDY IN INFORMATION SYSTEMS. A project-type course in information systems carried out on an independent study basis. *Prerequisite: consent of instructor.*

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

Graduate Professional

342. MATHEMATICS FOR ELEMENTARY TEACHERS. The cardinal number concept and related operations, set theory and mappings, systems of numeration, and the real number system.

Full Course (4)

Graduate

410. ABSTRACT ANALYSIS I. Abstract integration and measure theory, L^p spaces, Hilbert spaces, Riesz-Fischer theorem, Parseval's theorem. *Prerequisite: Mathematics 224.*

Full Course (4)

411. ABSTRACT ANALYSIS II. Elements of Banach spaces and Banach algebra; Fourier analysis on the real line; Plancherel's theorem. *Prerequisite: Mathematics 410.*

Full Course (4)

412. ABSTRACT ANALYSIS III. A continuation of Mathematics 411. *Prerequisite: Mathematics 411.*

Full Course (4)

420. COMPLEX ANALYSIS. An introduction to the rigorous treatment of complex functions. Topics include singularities, general form of Cauchy's theorem, residues and applications, Laurent's theorem, Riemann mappings, the Dirichlet problem. *Prerequisite: Mathematics 222.*

Full Course (4)

421. COMPLEX ANALYSIS II. A continuation of Mathematics 420. *Prerequisite: Mathematics 420.*

Full Course (4)

430. MODERN HIGHER ALGEBRA I. Advanced topics in algebra including a continuation of group theory, ring and ideal theory, factorization theory in integral domains. *Prerequisites: Mathematics 230 and Mathematics 232.*

Full Course (4)

431. MODERN HIGHER ALGEBRA II. Topics covered include field theory, Galois theory, linear associative algebra. *Prerequisite: Mathematics 430.*

Full Course (4)

* Repeatable Course

432. MODERN HIGHER ALGEBRA III. A continuation of Mathematics 431. *Prerequisite: Mathematics 431.*

Full Course (4)

440. TOPOLOGY I. Spaces and maps; identification and quotient spaces; separation axioms; compactness and connectedness; imbedding and extension theorems; metrizable and metric spaces; compactification; hereditary properties; spaces of maps. *Prerequisite: Mathematics 214.*

Full Course (4)

441. TOPOLOGY II. Homological algebra; simplexes and complexes; homology and cohomology; the fundamental group; homotopy theory. *Prerequisite: Mathematics 440.*

Full Course (4)

MEXICAN-AMERICAN STUDIES

An Interdepartmental Field of Concentration

This program is designed to provide the student with an understanding of the social, political, and cultural patterns of the Mexican-American. Because of the importance of the Western and Southwestern United States to demographic patterns of Mexican-American people, it is primarily regional in focus.

REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN MEXICAN-AMERICAN STUDIES

Upper Division

- A. History 256. History of the Mexican-American
- B. Three courses selected from at least two departments in the School of Humanities and Fine Arts:
 - Art 253. Art of California and the Southwest
 - + English 237. Contemporary Mexican-American Literature
 - + Spanish 211. The Structure of Spanish
 - + Spanish 214. Spanish Phonology
 - + Spanish 261. The Mexican Theater
- C. Two courses selected from different departments of the School of Social and Behavioral Sciences:
 - + Economics 280. The Economics of Urban Areas
 - History 257. California and the Southwest
 - History 292. Special Topics in History: Religion in Mexican-American Society
 - Political Science 221. Mexican-American Politics
 - Sociology 235. Social Movements: Chicano Experience
 - Sociology 260. Minority Racial and Ethnic Relations
- D. Two elective courses taken from different departments:
 - Anthropology 210. Culture and Personality
 - Anthropology 212. Language and Culture
 - Art 260. Latin American Art
 - + Economics 230. Labor and the American Economy
 - Economics 285. Economic Policy and Social Values
 - Geography 264. Geography of Latin America
 - History 262. Latin America: National Period
 - History 264. Mexico
 - Political Science 244. Political Behavior in Latin America II
 - Psychology 240. Social Psychology
 - Sociology 210. Social Stratification and Class
 - Sociology 218. The Family
- E. The senior seminar in this field.

† Consult course description for prerequisites.

COURSE OFFERING

290. SEMINAR IN MEXICAN-AMERICAN STUDIES. Study of selected topics which provide a comprehensive understanding of the experience, contributions, and participation of Mexican-Americans in United States society. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

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. Demonstrate a minimal level of competency on the piano.
- b. Participate in one of the college's performing groups during each quarter in residence following declaration of candidacy for the degree.
- c. All music majors are expected to earn 12 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. COLLEGE CHORALE.** Performance of the outstanding choral literature of all periods. *Three hours per week plus additional work by arrangement.*

One-Fourth Course (1)*

- 181. CLASS VOICE.** A small class, 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)

293. BRASS INSTRUMENTS. Introduction to the principles and literature of brass instruments with emphasis on skills necessary for future teachers of instrumental ensembles.

One-Fourth Course (1) *

295. PERFORMANCE. A course devoted to the performance of solo or chamber music literature taken from a wide variety of periods in music history.

One-Fourth Course (1) *

* Repeatable Course

PHILOSOPHY

REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF CONCENTRATION IN PHILOSOPHY

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 255. American Pragmatism
- 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)

255. AMERICAN PRAGMATISM. Historical survey emphasizing American pragmatists; a systematic analysis of the instrumentalist approach to knowledge and the naturalistic conception of value.

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. 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
Biological Science 102. Basic Studies Biology *or*
Biological Science 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, Ampère'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)

206. MODERN PHYSICS: ITS IMPACT ON TWENTIETH CENTURY THOUGHT. Implications of twentieth century physics on philosophy, religion, and cosmology. Emphasis on cultural rather than technological topics. *Prerequisite: 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

- A. One course in the history of political thought, selected from:
Political Science 250. History of Political Ideas
Political Science 251. Modern Political Thought
Political Science 252. Theories of the Political System
- B. One course in American government, selected from:
Political Science 210. Issues in American National Government
Political Science 214. American Political Parties and Elections
Political Science 215. Congress and the President
Political Science 260. American Constitutional Law: Distribution of Power
Political Science 261. American Constitutional Law: Civil Rights
- C. One course in comparative government, selected from:
Political Science 239. Government and Politics of the Soviet Union
Political Science 240. Government and Politics of Western Europe
Political Science 241. Government and Politics of East Asia
Political Science 242. Government and Politics of South Asia
Political Science 243. Political Behavior in Latin America I
Political Science 244. Political Behavior in Latin America II
Political Science 248. The Politics of the Developing Areas
Political Science 249. Government and Politics of SubSaharan Africa
- D. One course in international relations and foreign policy, selected from:
Political Science 234. American Foreign Policy
Political Science 235. International Politics
Political Science 236. Theories of International Relations
Political Science 237. Soviet Foreign Policy
Political Science 238. New States in World Politics
- E. Four additional courses in political science selected upon departmental advisement.
- F. Political Science 295. Seminar in Political Science

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)

- 213. INTRODUCTION TO PUBLIC ADMINISTRATION.** A study of the development and practice of public administration in the United States and abroad, focusing on the theoretical and practical concerns of administration and with special attention to the relationship of public administration and democratic government.

Full Course (4)

- 214. AMERICAN POLITICAL PARTIES AND ELECTIONS.** A study of the dynamics of American political behavior, including the legal regulation of parties and of elections. 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)

- 215. CONGRESS AND THE PRESIDENT.** An analysis of development and operation of the elected decision-making structures of the United States government. Particular focus on the interrelationships between the Congress and the President.

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)

- 221. MEXICAN-AMERICAN POLITICS.** An analysis of the political evolution of the Mexican-American community in the context of American politics today.

Full Course (4)

- 234. AMERICAN FOREIGN POLICY.** The formulation and execution of foreign policy in the United States, including an analysis of competing ideological concepts, the role of President and Congress, and the influence of public opinion.

Full Course (4)

- 235. INTERNATIONAL POLITICS.** Theories, principles and practice of international politics; examination of role of nationalism, diplomacy, war alliances, international law and organization in current international political problems.

Full Course (4)

- 236. THEORIES OF INTERNATIONAL RELATIONS.** Analysis of action and interaction of states: decision-making, capability analysis, balance and imbalance, systems analysis, communication, crisis, and game theory.

Full Course (4)

- 237. SOVIET FOREIGN POLICY.** An analysis of Soviet foreign policy decision-making, focusing on the national instruments of policy, Soviet interaction with the Communist party-states, the developing nations and the West.

Full Course (4)

238. NEW STATES IN WORLD POLITICS. An analysis of the impact of the "Third World" in international politics since 1945: their policies, problems and prospects.

Full Course (4)

239. GOVERNMENT AND POLITICS OF THE SOVIET UNION. An analysis of the government and politics of the Soviet Union, with special emphasis on the dual role of the USSR as ideological leader and national state.

Full Course (4)

240. GOVERNMENT AND POLITICS OF WESTERN EUROPE. A comparative study of the governments of Great Britain, France, Western Germany, and Italy. The structure of parliamentary government, party systems, and political leadership will be studied. Some attention will also be given to the smaller states of Europe.

Full Course (4)

241. GOVERNMENT AND POLITICS OF EAST ASIA. China, Japan, and Korea: political behavior, ideas and institutions of societies of East Asia. Political parties and organizations; role of competing ideologies and systems of behavior; interaction of domestic and foreign policies.

Full Course (4)

242. GOVERNMENT AND POLITICS OF SOUTH ASIA. The governments of South Asia: India, Pakistan, and Ceylon. Consideration of the problems of transition from colony to independent nation and of the politics of economic and social development in South Asia. Examination of domestic and foreign policies within this context.

Full Course (4)

243. POLITICAL BEHAVIOR IN LATIN AMERICA I. Analysis of political and cultural behavior in South America with a focus on Brazil, Argentina, Chile, Peru, Colombia, and Venezuela. Comparative analysis emphasizing socio-political institutions, elites, and interest groups.

Full Course (4)

244. POLITICAL BEHAVIOR IN LATIN AMERICA II. An analysis of socio-political behavior in Mexico and Central America, focusing on ideas, institutions, political movements, groups and development policies. Emphasis on the Mexican political system.

Full Course (4)

248. THE POLITICS OF DEVELOPING AREAS. Consideration of the political processes of the "emerging nations" of Africa, Latin America, and Asia. Analysis of the problems of transition from colony to nation-state and the obstacles faced generally by the "Third World" in the management of political, economic, and social change and modernization.

Full Course (4)

249. GOVERNMENT AND POLITICS IN SUBSAHARAN AFRICA. A study of the dynamics of government and politics in Africa south of the Sahara Desert with special emphasis on developments since World War II. Imperialism and colonial administration, nationalism and decolonization treated as background to the problems of modernization and nation-building.

Full Course (4)

250. HISTORY OF POLITICAL IDEAS. A critical analysis of the major political philosophers and schools of thought from Plato to the sixteenth century. 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)

252. THEORIES OF THE POLITICAL SYSTEM. A critical survey of the contemporary concepts and theoretical formulations in political science.

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)

271. THE DYNAMICS OF POLITICAL CHANGE. Analysis of the dynamics of political change as it ranges from peaceful evolution to violent revolution.

Full Course (4)

295. SEMINAR IN POLITICAL SCIENCE. A critical examination of current developments and issues in the literature of political science. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)

298. INDEPENDENT STUDY. Independent study of a particular problem under the direction of a member of the political science department. *Prerequisite: Consent of instructor.*

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

Graduate

410. STUDIES IN POLITICAL BEHAVIOR. A study of man's political beliefs, values and goals as the bases for his political behavior. Includes analysis of directly and indirectly observable political action and also those perceptual, motivational, and attitudinal components of behavior which make for man's political identifications, demands and expectations. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

* Repeatable Course

PSYCHOLOGY
REQUIREMENTS FOR THE DEPARTMENTAL FIELD OF
CONCENTRATION IN PSYCHOLOGY

Lower Division

- 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 211. Sensation and Perception
Psychology 214. Fundamentals of Learning
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, biological science, 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, in both laboratory and applied settings, with emphasis on the effects of motivation upon learning, performance, and problem-solving. *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)

- 214. FUNDAMENTALS OF LEARNING.** Human and animal conditioning, extinction, generalization and discrimination; retention, transfer of training, concept learning, and problem-solving with emphasis on experimental findings and methodology. *Three hours of lecture and three hours of laboratory per week. Prerequisites: Mathematics 150 and Psychology 125.*

Full Course (4)

- 215. THEORIES OF LEARNING.** Consideration of the major theories of learning and their experimental bases.

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)

246. THE PSYCHOLOGY OF IDENTITY. An investigation of intrapersonal dynamics, interpersonal relationships, and the social environment as they affect the sense of identity, self-esteem, and self-concept of individuals within various subcultures. Specific topics to be studied each quarter.

Full Course (4)

250. MEASUREMENT IN PSYCHOLOGY. Fundamentals of psychological measurement. Reliability, validity, item analysis, norms, and test construction and selection. Experience in administering, scoring, and interpreting tests of intelligence, aptitude, and personality. *Three hours of lecture and discussion and two hours of laboratory per week. Prerequisite: Mathematics 150.*

Full Course (4)

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, multivariate data analysis and presentation of results. *Two hours of lecture and discussion and four hours of laboratory per week. Prerequisite: Mathematics 150.*

Full Course (4)

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. Prerequisite: Psychology 260.*

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. SEMINAR IN LEARNING. An intensive study, examination, and critical analysis of contemporary theory and research in animal and human learning. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

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)

* Repeatable Course

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)

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)

460. SEMINAR IN PERSONALITY. Readings, discussion, and empirical study designed to broaden and deepen the understanding of major issues and problems in personality theory and to enhance the ability to plan, conduct, and evaluate personality research. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

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, 213, 214, 215, 216, 218, 220, 222, 225, 235, 250, 256, 260, 265, 268, 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.¹

Full Course (4)

¹ Sociology majors should take Anthropology 200 to meet Basic Studies requirement.

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)

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 AND COMPARATIVE INSTITUTIONS. Forms of organizing. Contemporary social systems: the family, the political system, the economy, religion and education.

Full Course (4)

212. THE URBAN COMMUNITY. Examination of the metropolitan community. Urbanization as contemporary social process; consideration of urban areas, institutions, values, and problems; social, demographic, and ecological characteristics of urban areas; urban and suburban change and planning.

Full Course (4)

213. SOCIOLOGY OF EDUCATION. Examination of the organizational structure, changing functions and emerging character of educational institutions in society.

Full Course (4)

214. FORMAL ORGANIZATIONS. Examination of formal organizations; ideology, bureaucracy, formal and informal decision-making, morale, and the institutionalization process.

Full Course (4)

215. SELECTED CONTEMPORARY SOCIAL PROBLEMS. Focused study of a limited selection of contemporary social problems, chosen in accordance with the interests of instructor and students.

Full Course (4)

216. BLACK COMMUNITIES: CLASS, STATUS, AND POWER. An analysis of the structure of the Black community; class, economic and political power, the role of leadership, and the conditions for social development.

Full Course (4)

218. THE FAMILY. The family as a social institution, with varying emphasis on specific family systems from quarter to quarter.

Full Course (4)

220. POPULATION AND SOCIETY. Analysis of major population trends and their relationship to the organization of society. Consideration of the demographic correlates of social change.

Full Course (4)

222. SOCIAL CHANGE IN DEVELOPING COUNTRIES. Examination of sociological theories with regard to social change. Application of the sociological perspective to the analysis of the problems and prospects for social change and modernization in developing nations.

Full Course (4)

225. SOCIOLOGY OF WORK. Sociological analysis of work in industrial society. Examination of the labor force, industrial organization, occupational roles and careers. Consideration of impact of technological change.

Full Course (4)

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)

256. THEORY BUILDING IN SOCIOLOGY. The nature and functions of theory; articulation of theory and research; the process of theory construction—strategic alternatives. Laboratory exercises in theory building. *Three hours of lecture and two hours of laboratory per week. Prerequisites: Sociology 205 and Sociology 255, or equivalents.*

Full Course (4)

260. MINORITY RACIAL AND ETHNIC RELATIONS. Investigation of current American racial and ethnic problems in world-wide and historical perspective.

Full Course (4)

265. DEVIANT BEHAVIOR. Consideration of deviant behavior. Study of the forms and processes of deviance, and the distribution of its occurrence. A systematic analysis of particular kinds of violations of normative rules as related to general processes of interaction in everyday social activities.

Full Course (4)

268. CRIMINOLOGY. Theories of the genesis of crime; organization of criminal behavior; comparative analysis of crime; trends in penology and rehabilitation.

Full Course (4)

* Repeatable Course

270. FIELD STUDIES IN URBAN PROBLEMS. Field experiences in the urban setting, with special emphasis upon investigation and understanding of the human and social dimensions of urban problems.

Half Course (2)

295. SENIOR SEMINAR IN SOCIOLOGY. Integrative discussion of previous course work and experiences in sociology. Preparation of bachelor's paper. The problem may be either departmental or interdepartmental in nature, provided the focus of concern is sociological. The paper will be presented formally during the seminar. *Prerequisites: Senior standing and consent of instructor.*

Full Course (4)

298. INDEPENDENT STUDY. A reading program of selected topics conducted under the supervision of a faculty member.

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

Graduate

411. SEMINAR IN SOCIAL ORGANIZATIONS AND INSTITUTIONS. Selected studies of the organization of contemporary social systems and the forms and functions of social institutions. Emphasis upon the integral relationship between social organizations and social institutions. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

450. SEMINAR IN INTERACTION PROCESSES. Experiences in both the theoretical and practical study of group dynamics. Stress on the small group, with specific concern for problems such as communication, leadership, decision making, gamesmanship, equilibrium and change. Relevant research literature reviewed, and laboratory experiments in interaction processes conducted. *Prerequisite: Graduate standing and consent of instructor.*

Full Course (4)

* Repeatable Course

SPANISH

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

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

205. ADVANCED COMPOSITION, SYNTAX, AND STYLISTICS. A reading, composition, and discussion course concerned with elements of style and syntax, with emphasis on creative writing by the students. *Prerequisite: Spanish 122 or consent of instructor.*

Full Course (4)

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 supra-segmental 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)

* Repeatable Course

252. HISTORY OF THE LITERATURE OF SPAIN I. History and development of Spanish literature from the Middle Ages to Classicism. *Prerequisite: Spanish 231 or equivalent.*

Full Course (4)

261. THE MEXICAN THEATER. Development of the Mexican Theater and dramatic literature from colonial times to the present within its cultural environment. Intensive study of representative dramatists. *Prerequisite: Two years of college Spanish or equivalent.*

Full Course (4)

295. SEMINAR IN SPECIAL TOPICS IN SPANISH OR SPANISH AMERICAN LITERATURE. Intensive study of a single author (Cervantes, Lope de Vega, Unamuno, Azuela, Florencio Sanchez), a literary movement (Romanticism, Gongorism), a literary genre (theater, epic poetry, novelas), or a single literary work. *Prerequisite: Spanish 232.*

Full Course (4)

297. DIRECTED RESEARCH. A project of creative research. *Prerequisite: Consent of instructor.*

Full Course (4)

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

Full Course (4) *

* Repeatable Course

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

English 121. Theater Practicum.

In addition, English 120, Drama Workshop, English 131, Understanding Drama, and Art 175, Visual Elements Workshop, are recommended electives.

Upper Division

A. Two courses in theater history:

English 261. History of the Theater I

English 262. History of the Theater II

B. Four courses selected from the following:

English 222. Introduction to Film

† English 246. Dramatic Theory and Criticism

† English 264. World Drama in Translation

† English 265. Development of the English Drama

† English 267. Shakespeare

† English 269. Modern Theater

C. One course selected from the following:

Music 253. Music for the Theater

Philosophy 220. Aesthetics

Philosophy 260. Selected Works in Existentialist Thought

Psychology 260. Theories of Personality

D. A minimum of one-half course in English 220, Drama Workshop

E. The senior seminar in this field.

COURSE OFFERING

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. Twentieth Century Thought and Expression 200. Introduction to Twentieth Century Studies

Note: Must be taken before three courses in the major are completed.

- B. 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 244. Afro-American Literature

†English 269. Modern Theater

English 270. Twentieth Century Experiments in Literary Form

†English 275. Modern Social and Political Fiction

†French 295. Seminar in Special Topics in French Literature (Twentieth Century Topic)

Music 252. Afro-American Music

†Music 270. Twentieth Century Composers: Their Writings and Their Music

Philosophy 260. Selected Works in Existentialist Thought

Philosophy 270. Philosophy in the Modern World

†Spanish 295. Seminar in Special Topics in Spanish or Spanish American Literature (Twentieth Century Topic)

- C. Three courses, selected from at least two different departments in the School of Social and Behavioral Sciences:

Economics 285. Economic Policy and Social Values

Geography 222. Contemporary Environmental Problems

History 228. Twentieth Century Europe

History 232. Modern England

History 235. Modern Russia

History 237. Modern Germany

History 248. United States: War and Depression

History 249. United States: Recent Period

History 253. The Asians in America

History 255. The Afro-American from Reconstruction to the Present

History 272. Modern China

History 274. Modern Japan

History 276. Africa: Colonialism to Independence

† Consult course description for prerequisite

Political Science 237. Soviet Foreign Policy
 Political Science 238. New States in World Politics
 Political Science 248. The Politics of Developing Areas
 Political Science 252. Theories of the Political System
 Political Science 270. Public Opinion and Propaganda
 Political Science 271. The Dynamics of Political Change
 Psychology 260. Theories of Personality
 Sociology 215. Selected Contemporary Social Problems
 Sociology 255. Modern Sociological Theories

D. Two additional courses from outside the student's departmental major field, selected from the above lists or the course below:

†Physics 206. Modern Physics: Its Impact on Twentieth Century Thought

E. The senior seminar in this field.

COURSE OFFERINGS

Upper Division

200. INTRODUCTION TO TWENTIETH CENTURY STUDIES. An introductory course designed to acquaint majors with the significant issues confronting twentieth-century man.

Full Course (4)

290. SEMINAR IN TWENTIETH CENTURY THOUGHT AND EXPRESSION. *Prerequisite: Senior standing, completion of at least six courses in this major, and consent of instructor.*

† Consult course description for prerequisite

URBAN STUDIES

An Interdepartmental Field of Concentration

The relationship of the physical environment and cultural characteristics of areas to the design of governmental, economic, and social features of the landscape will be studied. Urban environments evidence great need for study, because they are most susceptible to change and are the scene of most economic, social, and aesthetic activity. Therefore, the focus in this field is on cities and their suburban areas.

REQUIREMENTS FOR THE INTERDEPARTMENTAL FIELD OF CONCENTRATION IN URBAN STUDIES AND ENVIRONMENTAL DESIGN

Lower Division

- †Mathematics 150. Elementary Statistics and Probability
- Art 175. Visual Elements Workshop
- Geography 115. Map and Aerial Photograph Interpretation
- Geography 150. Field Study in Geography: Urban Emphasis *

Upper Division (Minimum of seven and one-half courses)

- A. At least one, but not more than three relevant courses from the School of Humanities and Fine Arts (substitutions on consent of adviser):
 - Art 255. History of Urban Aesthetics
 - †Art 275. Environmental Design
 - Philosophy 270. Philosophy in the Modern World
- B. At least one, but not more than three relevant courses from the School of Natural Sciences and Mathematics (substitutions on consent of adviser):
 - †Biological Science 230. Population Biology
 - †Biological Science 232. Ecology
 - †Biological Science 246. Human Heredity
 - Chemistry 286. American Science and Technology
 - †Mathematics 160. Introduction to Data Processing **
- C. At least two, but not more than four relevant courses from the School of Social and Behavioral Sciences (substitutions on consent of adviser):
 - Anthropology 220. Urban Anthropology
 - †Economics 280. The Economics of Urban Areas
 - †Geography 222. Contemporary Environmental Problems
 - Geography 224. Population and the Environment
 - Geography 235. Urban Geography
 - History 284. The City in History

* To complete nine full courses in Urban Studies in addition to Mathematics 150, Geography majors should select an additional course from A, B, or C.

** Mathematics 160, although a lower division course, may be used as one of the options in B.

† Consult course description for prerequisite.

Political Science 213. Introduction to Public Administration
Political Science 220. Urban Government and Politics
Sociology 211. Social Organization and Comparative Institutions
Sociology 212. The Urban Community
Sociology 216. Black Communities: Class, Status, and Power
Sociology 220. Population and Society

D. Sociology 270. Field Studies in Urban Problems

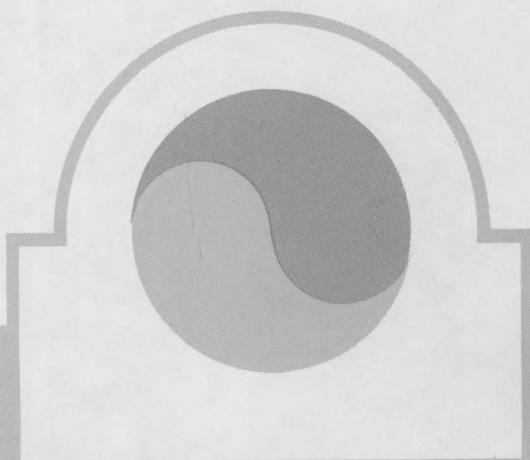
E. The senior seminar in this field.

COURSE OFFERING

Upper Division

290. SEMINAR IN URBAN STUDIES. An integrative course to study selected topics, to develop an overview of the field and to present seminar papers for critical review. *Prerequisite: Senior standing and consent of instructor.*

Full Course (4)



**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:	November 2-30
Winter Quarter:	September 15-November 13
Spring Quarter:	December 15-February 9

The application period closes either on the scheduled dates or when enrollment quotas are filled. Students who file applications after the enrollment quotas for 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 90246

ADMISSION AS AN UNDERGRADUATE

Requirements for admission to California State College, Dominguez Hills, are in accordance with Title 5, Chapter 5, Subchapter 2 of the *California Administrative Code*. A prospective applicant who is unsure of his status under these requirements is encouraged to consult with a school or college counsel 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.

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.

Grade-Point Average	SAT/ACT Score Needed
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. 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.

Other Applicants

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

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.

INTRASYSTEM TRANSFER

New Students

An applicant who is admitted as an undergraduate to a California State College under regular admission criteria (Title V, Sections 40753, 40754, 40803, 40804) is eligible for admission to another State College for the same term. The applicant must complete the transfer request form for which no additional application fee is required. However, admission to the second State College is dependent on the fulfillment of application procedures, application deadlines, and space and program availability.

Continuing Students

A student at a California State College who is eligible to continue at that college is eligible for admission to any other State College, provided he is in good standing and has a "C" average or better at the first college. The student must complete the transfer request form. However, admission to the second State College is dependent on the fulfillment of application procedures, application deadlines, and space and program availability.

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 \$20

application fee for readmission is required except for those applicants who have not been enrolled in any collegiate institution since leaving this college and who have not been absent from this college for more than two consecutive quarters immediately prior to the quarter for which they are applying.

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 Residence Questionnaire and \$20 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 ACT or SAT scores.
5. Complete health forms.

APPLICATION FEE

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

The fee may be waived for readmission application if the student was regularly enrolled in one of the three quarters immediately preceding the quarter for which the application is submitted, unless the student was enrolled at another institution in a regular session subsequent to his last attendance at this college.

RESIDENCE QUESTIONNAIRE

A Residence Questionnaire indicating status of California residence must be completed 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.

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 appoint-

ments 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.

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 Residence Questionnaire and \$20 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.

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 \$20 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

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.

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

If a student plans to complete all requirements for the bachelor's degree over the normal four-year period, he should declare his major fields of concentration, departmental and interdepartmental, at the beginning of his junior year but no later than two full quarters prior to graduation, 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.

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.

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.

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.)

Policies for Pass/No Credit grades and probation and disqualification standards under the Pass/No Credit system are currently being developed.

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 and Disqualification

An undergraduate student shall be placed on academic probation if he fails to maintain a grade point average of at least 2.0 in any quarter. A student on probation may be disqualified if he fails to maintain a grade point average of at least 2.0:

- 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.

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.

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 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 F grades for all courses on his official study list.

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

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.

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.

Postgraduate Credit for Seniors

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

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

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

Course Prerequisites

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

Repeated Course

The conditions under which a course may be repeated are:

1. A course for which a grade of D has been assigned may be repeated, but unit credit for the course is not given again; *or*
A course for which a grade of F has been assigned may be repeated, with credit given if the grade earned is a passing grade.
A repeated course is counted as units attempted and is credited with grade points earned, the effect being to average the grades.
2. 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.

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.

SCHEDULE OF REGISTRATION FEES

Tuition is not charged to legal residents of California. All students pay the regular fees shown below. Auditors pay the same fees as students registering for credit. All fees are subject to change by the Trustees of the California State Colleges.

Fees for each quarter are payable at the time of registration. No individual will be admitted to class prior to payment of registration fees.

Application for Admission to the College

Application Fee	\$20.00
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FEES REQUIRED AT REGISTRATION (per quarter)

Materials and Service Fee	
0 to 3.9 units	\$26.50
4 to 7.0 units	30.00
8 to 11.9 units	33.00
12 or more units	39.00
Student Activity Fee	
Students enrolling for 6 or less units	3.50
Students enrolling for more than 6 units	
Fall Quarter	10.00
Winter and Spring Quarters	5.00
Health Center Facilities Fee	
All students	2.00
Non-resident Tuition Fee (In addition to the other Registration fees.)	
U. S. Citizens	
Per unit or fraction thereof	25.00
Maximum charge—15 units or more	370.00
Per academic year	1,110.00
Foreign-Visa Students (Students who are citizens and residents of a foreign country.)	
Per unit or fraction thereof	13.50
Maximum charge—15 units or more	200.00

Parking Fees	
All students	9.00
Alternate vehicle (evidence of ownership of vehicles must be presented)	1.00
Two-wheeled motorized vehicles	2.25
Car pool permit	9.00

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
Diploma fee	4.00

REFUND OF FEES

Refunds are not automatic. Petitions for refunds may be obtained from the Registrar and must be filed within the time limits specified.

Penalty fees (unless collected in error), the Late Registration Fee, and the Health Center Facilities Fee are not refundable. Petitions received by the Registrar on or before the first day of instruction of each quarter are considered as having an effective date of the first day of instruction of that quarter.

Materials and Service Fee

To be eligible for partial refund, a student who is withdrawing from the college must file a refund petition with the Registrar not later than 14 days after the first day of instruction. \$10.00 will be retained by the college to cover the cost of registration.

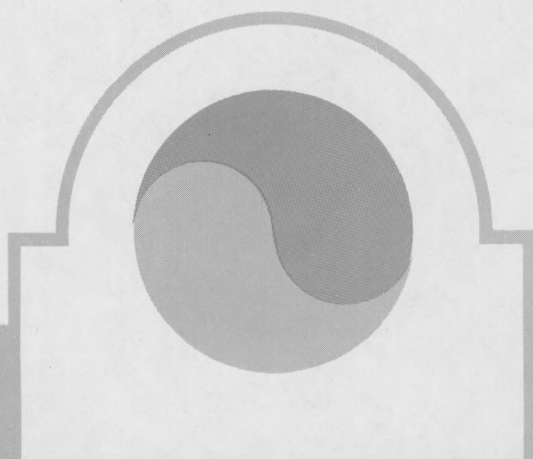
Non-Resident and Foreign Tuition Fee

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

Parking Fee

Petitions for refund of the Parking Fee must be filed with the Campus Security Office. If the petition is filed before or during the first 25 calendar days of the quarter, 66% of the Parking Fee will be refunded; from the 26th to the 50th calendar days of the quarter, 33%; on or after the 51st calendar day, 0%.

Consult the Business Office of the college for further information.



FACULTY AND ADMINISTRATION
OF THE COLLEGE

FACULTY AND ADMINISTRATION—1970-71

(Including appointments as of July 1, 1970)

- LEO F. CAIN (1962)..... President; Professor of Psychology
A.B., 1931, Chico State College; M.A., 1935, Ph.D., 1939, Stanford University.
- 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.
- DONALD F. ANTHROP (1969)..... Assistant Professor of Geography
B.S., 1957, Purdue University; Ph.D., 1963, University of California, Berkeley.
- MILAGROS R. AQUINO (1968)..... Assistant Professor of Education
B.S., 1957, Ilocos Norte Normal School, Philippines; M.A., 1963, Philippine
Normal College; M.A., 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.
- INGEBORG ASSMANN (1970)..... Assistant Professor of Education
B.A., 1950 Kant College; M.A., 1964 Montclair State College; Ph.D., 1967, Uni-
versity of Southern California.
- JOHN W. AULD (1968)..... Assistant Professor of History
B.A., 1962, The College of Wooster; M.A., 1964, Ph.D., 1970, Stanford University.
- JACK T. BELASCO (1970)..... Assistant Professor of Education
B.A., 1941, University of California, Los Angeles; M.A., 1962, University of
Southern California; Graduate Study, Harvard University.
- LOUIS NEWTON BELL (1970)..... Assistant Acquisitions Librarian
B.A., 1963, Rice University; M.L.S., 1970, University of California, Los Angeles.
- E. KENNETH BENNETT (1968)..... Acting Head Acquisitions Librarian
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
A.B., 1958, University of the Pacific; M.A., 1963, Ph.D., 1966, Stanford University.
- RICHARD BEYM (1968)..... Professor of Spanish and Linguistics
A.B., 1943, A.M., 1948, Ph.D., 1952, University of Illinois.
- MARSHALL H. BIALOSKY (1964)..... Professor of Fine Arts
B.Mus., 1949, Syracuse University; M.Mus., 1950, Northwestern University; ad-
vanced study in Florence, Italy.
- WILLIAM R. BLISCHKE (1969)..... Assistant Professor of Sociology
B.A., 1963, University of California, Riverside; M.A., 1966, Ph.D. candidate, Uni-
versity of California, Berkeley.

- MARTIN ROBERT BLYN (1969).....Associate Professor of Economics
B.B.A., 1961, College of the City of New York; M.B.A., 1962, Ph.D., 1966, New York University.
- STEPHEN A. BOOK (1970).....Assistant Professor of Mathematics
A.B., 1963, Georgetown University; M.A., 1966, Cornell University; Ph.D. candidate, University of Oregon.
- BERNARD R. BOXILL (1970).....Assistant Professor of Philosophy
B.A., 1961, La Salle College; M.A., 1965, University of New Brunswick; Ph.D. candidate, University of California, Los Angeles.
- JON L. BREEN (1969).....Public Services Librarian
B.A., 1965, Pepperdine College; M.L.S., 1966, University of Southern California.
- 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.
- JOHN J. BULLARO (1968).....Associate Professor of English
B.A., 1950, M.A., 1952, University of Illinois; Ph.D., 1960, University of Wisconsin.
- THOMAS S. BULLOCK (1963).....Senior Building Program Coordinator;
Lecturer in Geography
B.A., 1957, Graduate Study, 1960-63, San Francisco State College.
- RICHARD BUNGER (1970).....Assistant Professor of Music
B.Mus., 1964, Oberlin College; M.Mus., 1966, University of Illinois.
- DAVID B. CADY (1970).....Assistant Professor of History
B.S., 1958, Georgetown University; B.S., 1964, M.A., 1966, Ph.D. candidate, University of Wisconsin.
- CARL CAGAN (1969).....Director, Institutional Studies and
Automatic Data Processing
B.A., 1948, New York University; M.S., 1968, Ph.D., 1969, Washington State University.
- ROBERT L. CALATRELLO (1969).....Assistant Professor of Education
B.S., 1958, Millikin University; M.A., 1960, Northwestern University; Ed.D., 1966, University of Southern California.
- DAVID CAMESI (1969).....Assistant Professor of Music
B.S., 1961, Juilliard School of Music; M.A., 1965, Columbia University; Ph.D. candidate, Teachers College, Columbia University.
- MURIEL P. CARRISON (1969).....Assistant Professor of Education
B.A., 1948, Hunter College; M.A., 1964, California State College, Long Beach; Ed.D., 1969, University of Southern California.
- JORGE A. CARROLL (1969).....Associate Director,
Educational Opportunity Program
B.A., 1969, University of Southern California.
- LYMAN G. CHAFFEE (1969).....Assistant Professor of Political Science
A.B., 1960, Occidental College; M.A., 1965, California State College, Los Angeles; Ph.D., 1969, University of California, Riverside.
- CHI-LUNG CHANG (1969).....Assistant Professor of Mathematics
B.A., 1964, University of California, Berkeley; M.A., 1968, University of California, Los Angeles.
- HAROLD CHARNOFSKY (1966).....Associate Professor of Sociology
B.S., 1953, M.S., 1958, Ph.D., 1968, University of Southern California.

- LOIS WONG CHI (1966)..... Professor of Biological Service
B.S., 1945, Wheaton College; M.S., 1948, Ph.D., 1953, University of Southern California.
- EVELYN TUTT CHILDRESS (1969)..... Assistant Professor of Biological Science
B.S., 1947, Lincoln University; M.S., 1948, M.S., 1956, University of Michigan; Ph.D., 1967, Stanford University.
- ROBERT M. CHRISTIE (1970)..... Assistant Professor of Sociology
B.A., 1965, University of California, Santa Barbara; M.A., 1967, Ph.D. candidate, University of Missouri.
- DALLAS V. COLVIN (1970)..... Assistant Professor of Biological Science
B.S., 1963, Portland State University; Ph.D. candidate, University of Colorado.
- ULRICH DE LA CAMP (1966)..... Associate Professor of Chemistry
B.S., 1959, University of California, Berkeley; Ph.D., 1966, University of California, Davis.
- PETER DESBERG (1970)..... Assistant Professor of Education
B.A., 1965, University of Southern California; M.A., San Fernando Valley State College; Ph.D., 1969, University of Southern California.
- TERENCE L. DOSH (1969)..... Assistant Professor of History
B.A., 1953, St. John's University; B.D., 1957, St. John's Seminary; M.A., 1961, Ph.D. candidate, University of Minnesota.
- CAROLINE R. DUNCAN (1966)..... Assistant Professor of English and Linguistics
B.F.A., 1946, M.A., 1949, University of Georgia; Ph.D., 1969, Florida State University.
- ROY C. EASLEY (1969)..... Assistant Professor of Health and
Physical Education
B.A., 1962, M.A., 1969; California State College, Los Angeles.
- ALAN VAN DUSEN EGGERS (1970)..... Assistant Professor of Anthropology
A.B., 1964, Ph.D. candidate, University of California, Berkeley.
- STEFAN EHRLICH (1970)..... Assistant Professor of Mathematics
B.S., 1962, City College New York; M.S., 1969, San Fernando Valley State College.
- UMA OKE ELEAZU (1969)..... Assistant Professor of Political Science
B.A., 1962, King's College, University of Durham; M.A., 1965, University of Durham; M.A., 1966, Ph.D., 1969, University of California, Los Angeles.
- PATRICIA S. ELIET (1969)..... Assistant Professor of English
B.A., 1958, Carleton College; M.A., 1960, Oberlin College; Ph.D. candidate, University of California, Berkeley.
- DALE E. ELLIOTT (1968)..... Assistant Professor of English and Linguistics
B.S. in Ed., 1962, M.A., 1965, Ph.D. candidate, Ohio State University.
- PETER D. ELLIS (1962)..... Associate Dean, Admissions, Records
and Relations with Schools; Associate Professor of Education
A.B., 1948, Ed.D., 1961, University of California, Los Angeles.
- FRANCES M. EPPS (1970)..... Associate Professor of Education
B.S., 1943, Southern University; M.A., 1960, California State College at Los Angeles; Graduate Study, University of Southern California.
- ROLAND W. EVES (1969)..... Assistant Professor of Geography
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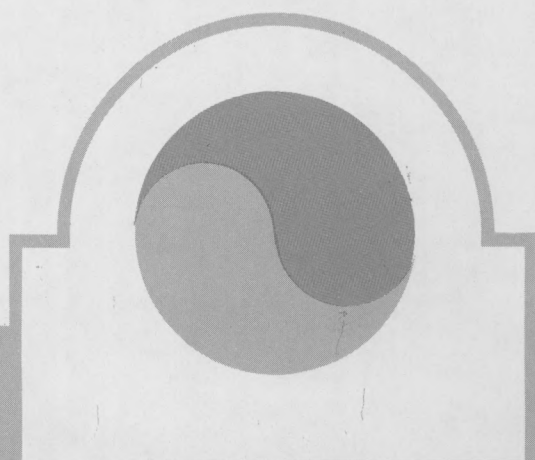
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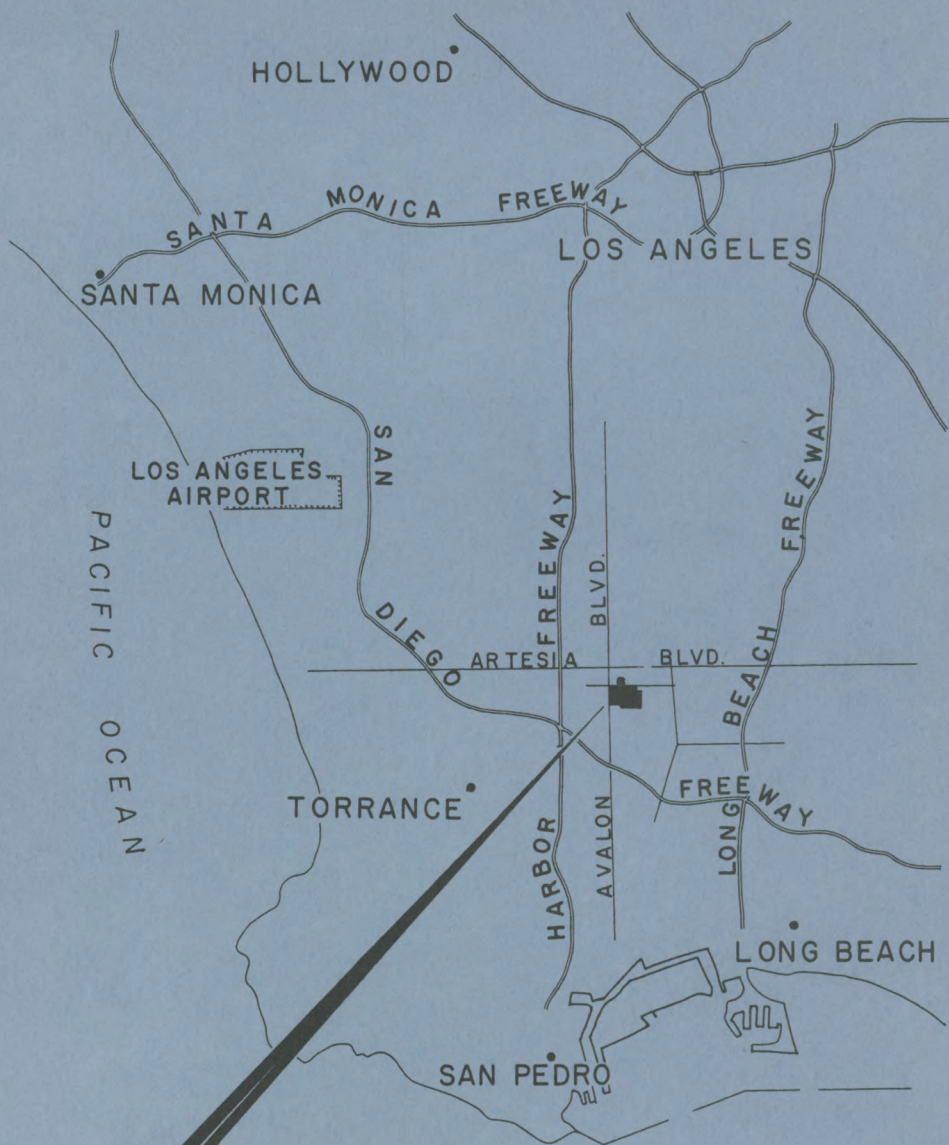
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