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## Colby College Catalogue 1979 - 1980

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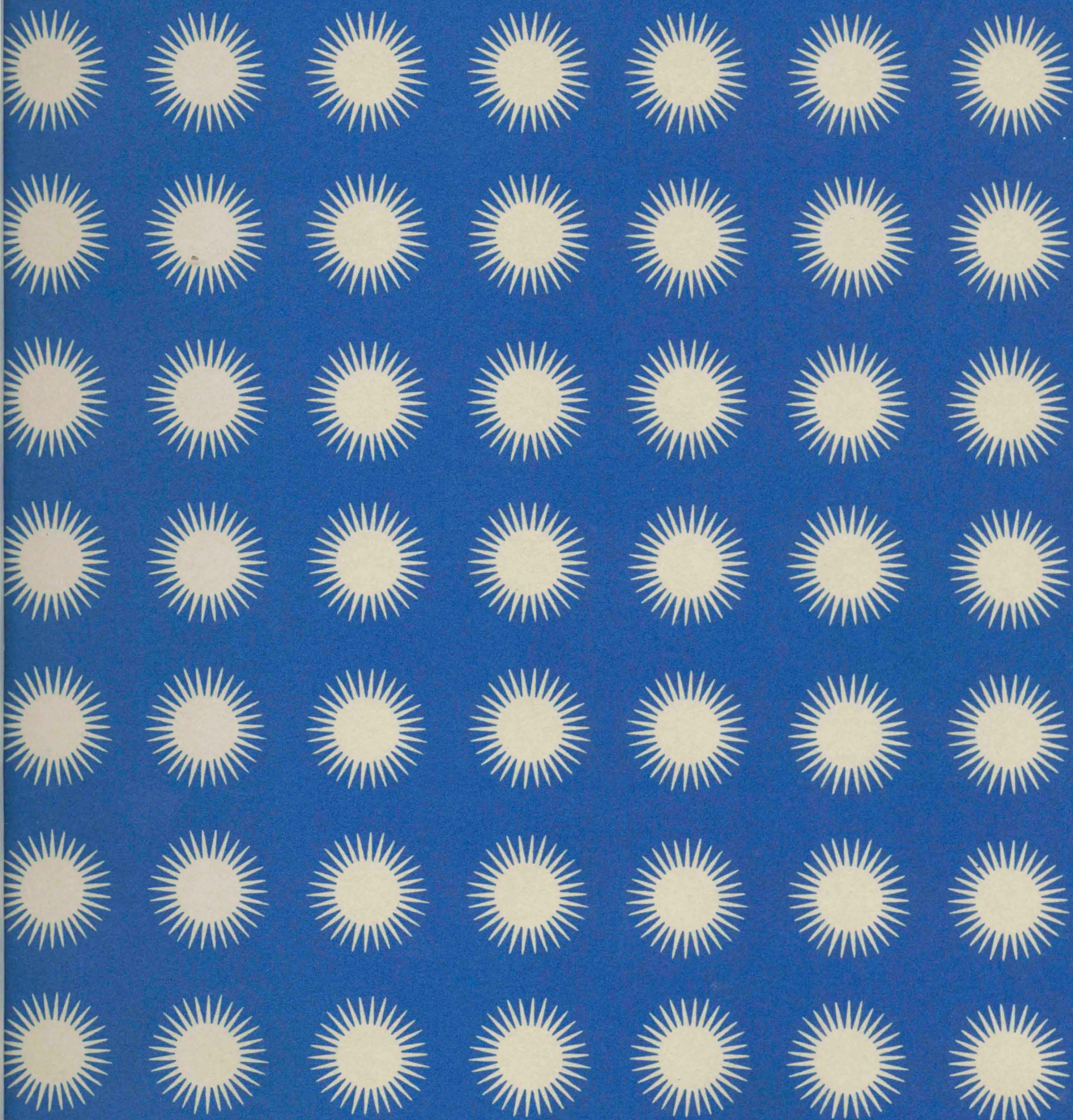
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# COLBY COLLEGE BULLETIN

*Catalogue, May 1979*



The *Colby College Bulletin* (USPS 120-880) is published four times yearly: in September, January, March, and May. This is Series 78, Number 4, May 1979. Entered as second-class matter at the Post Office at Waterville, Maine 04901. Postmaster, send Form 3579 to the *Colby College Bulletin*, Colby College, Waterville, Maine 04901.

*Colby College Bulletin, Annual Catalogue, May 1979*  
ADDENDUM as of September 1979

The Board of Trustees announced on February 25, 1979 the selection of William R. Cotter, J.D., as the 18th president of Colby College. He assumed the presidency on July 1.

Robert E.L. Strider II, PH.D., President Emeritus, has been elected an Honorary Life Trustee of the College.

Effective September 1979 the Department of History and Government became separate departments. Chairman of the Department of History is Professor Richard R. Beeman. Professor Albert A. Mavrinac is chairman of the Department of Government.

Other new chairmen are Professor John Mizner for the Division of Humanities and Professor Patrick Brancaccio for the Department of English.

The opening paragraph of the section devoted to intercollegiate athletics (page 88) is incomplete. The text should read, "Athletics for men include varsity teams in football, hockey, lacrosse, golf, tennis, cross-country, indoor and outdoor track, swimming and squash. Varsity as well as junior varsity teams compete in baseball, basketball and soccer."

	<i>Inquiries to the college should be directed as follows:</i>
ACADEMIC COUNSELING	OFFICE OF THE DEAN OF STUDENTS
ADMISSION	HARRY R. CARROLL, <i>Dean of Admissions</i>
ADULT EDUCATION AND SUMMER PROGRAMS	ROBERT H. KANY, <i>Director of the Division of Special Programs</i>
BUSINESS MATTERS	DOUGLAS E. REINHARDT, <i>Assistant Treasurer</i>
FOREIGN STUDENT ADVISOR	JONATHAN M. WEISS, <i>Assistant Professor of Modern Languages</i>
HEALTH AND MEDICAL CARE	CARL E. NELSON, <i>Director of Health Services</i>
HOUSING	JANICE SEITZINGER, <i>Associate Dean of Students</i>
JANUARY PROGRAM	ELIZABETH KIRALIS, <i>Assistant to the Dean of Faculty</i>
RECORDS AND TRANSCRIPTS	GEORGE L. COLEMAN II, <i>Registrar</i>
SCHOLARSHIPS, STUDENT EMPLOYMENT	GARY N. WEAVER, <i>Director of Financial Aid</i>
CAREER PLANNING	PATRICIA L. HICKSON, <i>Director of Career Planning</i>

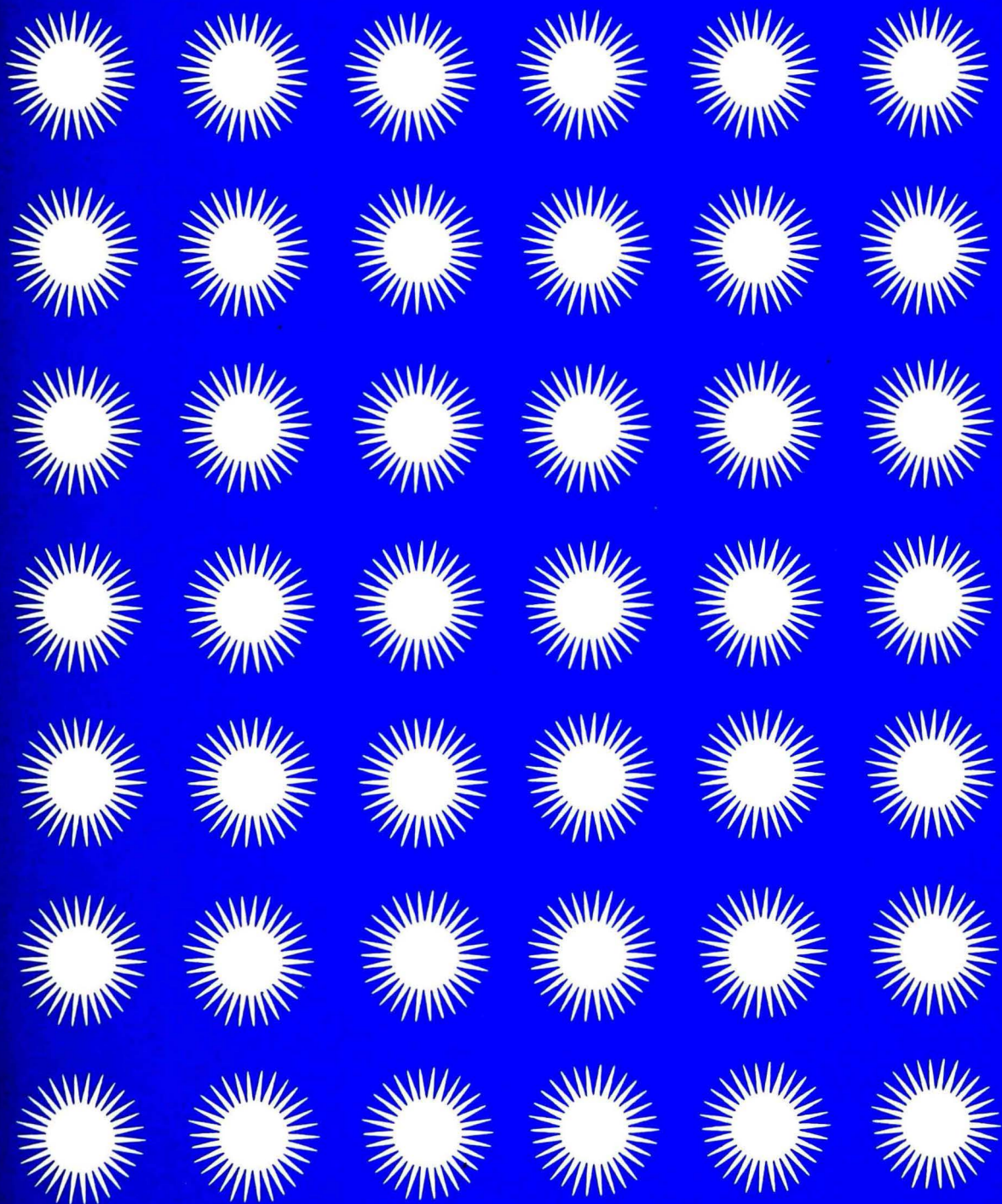
Mailing address: Colby College, Waterville, Maine 04901.  
Telephone: (207) 873-1131.

A booklet, *Colby*, with illustrative material, has been prepared for prospective students and may be obtained from the dean of admissions.

Colby College is accredited by the New England Association of Schools and Colleges, which accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards membership.

Colby College admits qualified students of any race, religion, or national or ethnic origin without regard to sex or handicapped status. It does not discriminate on the basis of criteria in its educational or employment policies, or in athletic, scholarship, loan, or other college-administered programs. Colby is an affirmative action/equal opportunity employer and operates in accordance with federal and state laws regarding nondiscrimination.

# I General Information



## I GENERAL INFORMATION

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# Colby College

CORPORATE NAME	The President and Trustees of Colby College.
LEGAL BASIS	Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. First classes, 1818. Authorized to confer degrees by the first legislature of Maine, June 19, 1820. First Commencement, 1822. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899.
FUNCTION	Independent college of liberal arts for men and women (women first admitted, 1871); nonsectarian, founded under Baptist auspices.
DEGREE CONFERRED	Bachelor of Arts.
ENROLLMENT	1,626 (opening, 1978).
FACULTY	138 full-time and part-time.
ENDOWMENT	\$25,887,672 (market value as of June 30, 1978).
LIBRARY	350,000 volumes and 63,920 microtexts; 1,300 current subscriptions to periodicals.
ACCREDITATION AND MEMBERSHIPS	Accredited by New England Association of Schools and Colleges, and American Chemical Society. Member of College Entrance Examination Board, College Scholarship Service, Association of American Colleges, American Council on Education, National Association of Independent Colleges and Universities, New England Board of Higher Education, Council for the Advancement and Support of Education, American Library Association, The Center for Research Libraries, New England Library Network, Center for African and Afro-American Studies, New England Regional Conference of the National Council for Black Studies, American Institute for Indian Studies, and American Studies Association. Corporate member of American Association of University Women; chapter of American Association of University Professors. Colby chapter of Phi Beta Kappa founded 1895.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded wood-pulp products, shirts, plastics. Bus service: Greyhound Lines. Robert LaFleur Airport served by Air New England. On U.S. Interstate Highway 95, connecting with Maine Turnpike at Augusta.



# Colby Yesterday and Today

HISTORY OF  
COLBY COLLEGE

In 1813, when Maine was still a part of Massachusetts, a group of Baptists secured a charter for the Maine Literary and Theological Institution, and in 1815 received a grant of land on the Penobscot River. Permitted subsequently to erect the institution on a site other than the land grant, they chose a tract in Waterville on the west bank of the Kennebec, where in 1818 the Reverend Jeremiah Chaplin began instruction of seven theological students.

The first legislature of Maine in 1820 granted the institution the right to confer degrees, and in 1821 changed the name to Waterville College, with Jeremiah Chaplin as the first president. William King, Maine's first governor, had been instrumental in securing the original charter, and was himself for many years a member of the board of trustees.

Though founded by Baptists, the college, even in its earliest days, was not narrowly sectarian. The Maine charter decreed that no applicant should be denied admission on grounds of religious belief. By 1830 the theological course had been abandoned, and the institution became, and remains today, distinctly a nonsectarian college of liberal arts. Though without official ties to any denomination, the college is proud of its Baptist heritage and support.

When the Civil War threatened to force closing of the college, the struggling institution was saved by a generous gift from Gardner Colby, a prominent Baptist layman of Newton Centre, Massachusetts, and in 1867 the grateful trustees changed the name to Colby University. In 1899, sensing that the college had never become a university in fact, the board changed the name to Colby College.

In the first class receiving degrees in 1822 was George Dana Boardman, pioneer of a long line of Colby missionaries to foreign lands. A graduate in 1826 was Elijah Parish Lovejoy, who suffered martyrdom for the cause of freedom of the press when his persistent antislavery articles led to his death at the hands of a mob in Alton, Illinois, at the age of thirty-four.

Colby first admitted women in 1871, when Mary Low was the lone female student. By 1890 the number had so increased that President Albion Woodbury Small proposed, and the trustees adopted, a system of coordination, providing for men's and women's divisions with separate classes. In time

coordination changed to coeducation, and Colby is now officially a coeducational college.

After the First World War, Colby found its campus confined to thirty crowded acres hemmed in by the tracks of the Maine Central Railroad. On the campus were ten buildings, while six others sprawled into the downtown area. In 1930 the trustees voted that "as soon as feasible" the college must move to a new site.

For twenty anxious years after this decision, President Franklin Winslow Johnson led a valiant and finally successful campaign to move the college, despite the obstacles of a great depression and the Second World War. Colby was gradually transferred, between 1943 and 1952, to its new site on Mayflower Hill, on land given by the citizens of Waterville.

In 1942 Dr. Johnson was succeeded by President J. Seelye Bixler, who for eighteen years extended and solidified the program on the new campus, securing national acclaim. Since 1960 President Robert E. L. Strider has brought Colby further renown, both for its physical plant and the significant strengthening of faculty and program. President Strider will retire on July 1, 1979.

The growth of Colby since the transfer to Mayflower Hill has been striking. On 900 acres there are now forty-one buildings and several playing fields. Enrollment has risen from 600 to 1,600, and students come from two thirds of the states and many foreign countries. The faculty, numbering fifty-six in 1940, now is 138. Endowment has increased from three million to twenty-six million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

In 1963 Colby College observed its 150th anniversary with a series of events emphasizing the college's heritage and its responsibility for the future. That academic year was a milestone, but no event had more significance for the college than its selection by the Ford Foundation for development as a "regional center of excellence." Colby received in June 1962 a challenge grant of \$1.8 million in the foundation's Special Program in Education, which was successfully matched on a two-to-one basis in three years. Officials of the Ford Foundation chose a select number of liberal arts colleges to be in-

cluded in the program “because of the importance of the liberal arts—the humanities, natural sciences, and social sciences—in cultivating the thoughtful leadership and independent opinion essential in a free society.” Colby has continued to explore the possibilities of the liberal arts, experimenting with educational innovations—enriching the traditional liberal arts program while remaining responsive to a changing universe.

## PRESIDENTS

1822-1833	JEREMIAH CHAPLIN
1833-1836	RUFUS BABCOCK
1836-1839	ROBERT EVERETT PATTISON
1841-1843	ELIPHAZ FAY
1843-1853	DAVID NEWTON SHELDON
1854-1857	ROBERT EVERETT PATTISON
1857-1873	JAMES TIFT CHAMPLIN
1873-1882	HENRY EPHRAIM ROBINS
1882-1889	GEORGE DANA BOARDMAN PEPPER
1889-1892	ALBION WOODBURY SMALL
1892-1895	BENIAH LONGLEY WHITMAN
1896-1901	NATHANIEL BUTLER, JR.
1901-1908	CHARLES LINCOLN WHITE
1908-1927	ARTHUR JEREMIAH ROBERTS
1929-1942	FRANKLIN WINSLOW JOHNSON
1942-1960	JULIUS SEELYE BIXLER
1960-1979	ROBERT EDWARD LEE STRIDER II

## COLBY TODAY

Colby is a coeducational undergraduate college of liberal arts committed to the belief that the best preparation for life in our world, and especially toward the professions that further specialized study, is a broad acquaintance with human knowledge rather than narrowly concentrated training in limited areas. It is the pursuit of truth, free and unrestricted, for truth itself is almost infinitely various.

In addition to a comprehensive investigation of our heritage, the Colby student is given an opportunity to explore thoroughly a major field of study.

Consistent with the philosophy of the college, responsibility is given each student in the determination of the academic program and in the regulation of social life and daily living.

Toward this end, advising, guidance, and counseling are available. The recommendations of the Constitutional Convention in 1969, adopted by the board of trustees, and of a similar convention reconvened in the spring of 1972, revised the governmental structure of the college to make possible a productive sharing of responsibility in the reaching of decisions. Through work on committees at both the faculty and board levels, this process involves students, faculty, and alumni, as well as the administration and trustees.

Emphasis on independent thought and enterprise by students is nothing new. Colby's January Program of Independent Study, initiated in 1962, encourages the student to acquire the habit and the methods of exploring a particular field of knowledge on his own, which can be carried over beyond graduation and through life.

Students are strongly advised to consider graduate study in further preparation for the professions. Each year a number of Colby graduates enter divinity, law, and medical schools, and graduate schools of arts and sciences, business, education, and engineering.

On the occasion of the college's 150th anniversary, in connection with a convocation dedicated to the general subject *The Heritage of Mind in a Civilization of Machines*, President Strider wrote: "Colby and other colleges were founded upon ideals that have not changed. A center for sound learning in the quiet wilderness of Maine in 1813 was something to be desired. The quiet wilderness almost everywhere is gone, and the cacophonous megalopolis that stretches the length of our Atlantic coast has crept to the margins of the forests to the North. But the need for sound learning remains, and the human race, wherever it is found, still faces the fundamental questions that are prompted by man's perennial curiosity." In the 1970's Colby College has maintained this commitment.

# The Campus

In 1977 Colby observed the twenty-fifth anniversary of the move from its original site in downtown Waterville to Mayflower Hill, two miles west of the city. Today forty-one buildings stand on a campus of 900 acres, one of the most modern and beautiful in the nation.

The first building was Lorimer Chapel. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. Its specifications were drawn up by Albert Schweitzer. The Rose Chapel adjoins the main building.

At the center of the campus is Miller Library, described in a section that follows.

The science center consists of three buildings connected as a unit: the new Seeley G. Mudd Science Building, which opened for the second semester in 1978 for physics, geology, and mathematics; the Keyes Building for chemistry; and the David Kenneth Arey Life Sciences Building for biology and psychology. The science library for the center is in Keyes. Extensive renovations of the Keyes and Arey buildings were completed in the fall of 1978.

The humanities and social sciences are centered in the Elijah Parish Lovejoy Building, named for the Colby graduate who was one of America's earliest martyrs for freedom of the press. Here are classrooms, faculty offices, laboratories for modern languages and psychology, and an auditorium.

Administration offices are housed in the Eustis Building.

The Bixler Art and Music Center has classrooms, studios, an art and music library, auditorium, rehearsal hall, and practice and listening rooms. The Museum of Art, with the Jetté Galleries and the Marin Gallery, is a major segment of the center. The Lenk Building houses studios for painting and design as well as workshops for wood and metal sculpture. Emphasis in the college's permanent collection is clearly in the American field, but the British Isles and Europe are represented by paintings, sculpture, prints, and drawings.

Colby is a residential college where students are expected to live and eat on campus. Classes are distributed equally through all eighteen dormitories, some of which are coeducational. In addition to these dormitories, there are eight fraternity houses, where students live but not dine. In special

circumstances, some students have the option of living off campus.

Set into a hillside, the Garrison-Foster Health Center opened in the fall of 1976. The first floor is devoted to outpatient treatment and service rooms. The second floor has inpatient facilities: a twenty-four-bed infirmary, first aid room, lounge, study carrels, kitchen, and dining area.

Roberts Union, completely renovated in 1977, serves as a student center. The facility has two dining halls, the Seaverns bookstore, a post office, and the student spa and pub. In addition to numerous meeting rooms for campus organizations, the center also has a pottery workshop and is headquarters for the outing club and all student publications, as well as the campus radio station, WMHB.

Completed in 1976, the Performing Arts Center in the Ninetta M. Runnals Union features the 274-seat Strider Theater, with orchestra pit and balcony. Above the balcony are control booths for lighting, sound, and projection. Workshop-storage areas and, on two levels, dressing rooms are behind the stage. The second floor has the Dunn Studio for dance.

Indoor sports facilities are in the physical education and athletic complex and consist of the Wadsworth Gymnasium (badminton, volleyball, and four basketball courts), Alford Ice Arena, the fieldhouse (an eighth-of-a-mile track, a baseball diamond, and four tennis courts), the Dunaway Squash and Handball Courts (consisting of seven singles and one doubles), the swimming pool, saunas, and a weight training room.

Outdoors there are some fifty acres of playing areas: two football fields, two baseball diamonds, two soccer fields, fourteen tennis courts, fields for field hockey, intramural competition, and recreation, a quarter-mile track, as well as cross-country courses for running and skiing. Approximately three miles from campus, the college owns a ski area, which has a T-bar lift, lighted slope, and lodge. Community facilities include bowling lanes and riding stables.

The entire Mayflower Hill campus has been designated by the Maine legislature as a State Wildlife Management Area. Part of the woodland has been set aside as a wildlife sanctuary,

The Perkins Arboretum and Bird Sanctuary, and includes 128 acres.

In the Belgrade Lakes area, near Waterville, the college owns the Colby-Marston Preserve, a thirty-four-acre tract containing a kettle-hole bog. The preserve, which is considered a classic example of a northern sphagnum bog, has been classified a Registered Natural Landmark by the United States National Park Service. It is used for teaching and research in the fields of biology, ecology, and geology.

Near the coast, at Head Tide, the college owns the birthplace of Pulitzer Prize-winning poet Edwin Arlington Robinson. Maintained as a memorial, the house is open on specified days each summer for visitors.

# The Library

The Miller Library, at the center of the campus, furnishes printed and audiovisual material for assigned and recreational reading, reference, research, and independent study. Reading rooms and individual carrels in the main library and in departmental libraries provide study areas for approximately one third of the students. The library is a member of the New England Library Network and The Center for Research Libraries. The main building is open from early morning until late at night during the academic year, and mornings and afternoons each weekday in summer. Miller Library houses the humanities and social science collections, college archives, and special collections.

An open-stack system allows browsing through the collection of 350,000 volumes. The library has 1,300 current periodicals, with strong retrospective runs, and daily newspapers from this country and abroad. In addition, on file are specialized types of material such as microfilms of newspapers, periodicals, and documents, a spoken-record collection, some films, and video tapes. Miller Library is a selective depository for United States government documents.

There are two libraries devoted to departmental collections. The Bixler Center has the Ambrose Coghill Cramer Room for the library of fine arts and music. The science collections are housed in the newly renovated Keyes Building.

Special collections of first editions and manuscripts in Miller Library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the famous Pulitzer Prize-winning Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy Collection is one of the most extensive in the country. Other authors represented in the Robinson Room include A. E. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather, John Masefield, William Dean Howells, and Thomas Mann.

The John and Catherine Healy Memorial Room contains the James Augustine Healy Collection of Modern Irish Literature, with numerous inscribed copies, manuscripts, and holograph letters of William Butler Yeats, Sean O'Casey, James Joyce, George Bernard Shaw, and many others. The Healy Collection



has 6,000 primary and critical sources representing the Irish Literary Renaissance, 1880-1940.

The Alfred King Chapman Room houses the college archives, which hold over 4,000 manuscript files pertaining to Colby graduates, faculty, and staff dating from 1813 to the present. Also included is an extensive collection of books by Colby graduates and faculty.

The Colby library was selected in 1962 by the New England Chapter, Society of Professional Journalists, Sigma Delta Chi, as repository for all records and documents of the Academy of New England Journalists.

The Colby Library Associates, founded in 1935, is an organization of friends of the library, many of long standing. Dues are used to purchase books, manuscripts, and letters that the library could not otherwise acquire. Members receive the *Colby Library Quarterly*.

# The Academic Program

## DIVISIONS OF INSTRUCTION

The courses in the curriculum are classified under four divisions. In the Division of Humanities are art, classics, English, modern foreign languages, performing arts, and music. The Division of Social Sciences includes administrative science, economics, education, government, history, philosophy, psychology, religion, and sociology. In the Division of Natural Sciences are astronomy, biology, chemistry, geology, mathematics, and physics. The Division of Physical Education and Athletics, besides offering courses, administers the intercollegiate athletic and intramural sports programs.

Certain interdepartmental courses take content and staff from more than one department, and sometimes from more than one division.

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## THE STUDENT'S PROGRAM

The student at Colby normally takes from twelve to eighteen credit hours in each semester.

To assure distribution among the divisions mentioned above, students must include English composition and literature, a foreign language (unless exempted by examination), and courses to meet "area" requirements in the humanities, social sciences, and natural sciences. Programs are usually planned so that the majority of these requirements are met within the first two years, leaving the junior and senior years for "major" concentration and for free electives.

Each freshman is assigned to a member of the faculty who advises him during the first year; at the end of that year he is assigned a new adviser from the department in which he has declared his major.

Prospective students frequently ask what subjects they will study—especially in the freshman year. It would be misleading to present any specific pattern of courses for either of the first two years. The programs of individual students may vary widely because there is considerable latitude within the requirements. The student preparing for a scientific career or the study of medicine will begin electing scientific subjects at once. Many major departments in both the natural and social sciences recommend mathematics for the freshman year. Each student should discuss his prospective program with his adviser, noting carefully the recommendations and requirements of areas in which he might later wish to major.

GRADUATION  
REQUIREMENTS

To qualify for the degree of Bachelor of Arts, a candidate **must** meet specific requirements in quantity, quality, distribution, and concentration, and must also complete a January program for every first semester in residence to a maximum of four.

**QUANTITY** A minimum of 120 semester credit hours, at least 105 of which (hereafter called "basic credits"), including, effective with the class of 1981, all distribution requirements, must be earned in conventionally graded academic courses or specifically designated nongraded courses (see also FLEXIBLE CREDITS, RESIDENCE).

**QUALITY** A minimum of 210 quality points in 105 basic credit hours. For each credit hour, a mark of *A* entitles the student to four points, a mark of *B* to three points, a mark of *C* to two points, and a mark of *D* to one point. For each plus mark, .3 quality point per credit hour is added; for each minus mark, .3 quality point per credit hour is deducted. No points are given for marks below *D-*. Two points are awarded for each hour of *Cr* in basic nongraded courses.

**DISTRIBUTION** I ALL COLLEGE REQUIREMENTS  
**REQUIREMENTS**

- A. *English Composition and Literature*: Six credit hours. This requirement will be met by English 115 and 152.
- B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of five ways:
- (1) Giving evidence of satisfactory achievement in a foreign language taught at Colby by attaining before entrance a score of sixty in a College Entrance Examination Board foreign language achievement test.
  - (2) Successful completion of three hours in courses numbered above 123 in a modern foreign language, with the exception of Spanish 127, by enrolling in 121, 122, 123, 131, or 141 as determined by the score on the appropriate placement examination, and pursuing courses in sequence until the requirement is fulfilled.
  - (3) Successful completion of a classical language sequence terminating with either Greek 131 or Latin 232.
  - (4) For a transfer student who has studied a foreign language not taught at Colby, the requirement will be

fulfilled if he has completed at an accredited institution the equivalent of a second year of that language at the college level with marks high enough to make the work acceptable toward the Colby degree.

(5) For a foreign student whose native language is not English, knowledge of his native language will be recognized as fulfillment of the language requirement, subject to the approval of, and possible testing by, the department of modern foreign languages.

II AREA REQUIREMENTS

A minimum of six credit hours in each of the areas described in III below. Three of the credit hours in the natural sciences must involve laboratory experience.

III AREAS

A. HUMANITIES

Art

Classics (except Ancient History)

English (except 111, 112, 115, 152, and 171)

Greek

Latin

Modern Foreign Languages (above the intermediate level)

Music

Performing Arts (except 251)

Philosophy and Religion (certain courses: Religion 223, 224, 311, 312, 351, 352, 353, and 358; Philosophy 313, 355, 356, and 372; philosophy and religion seminars when topics are relevant)

B. NATURAL SCIENCES

Astronomy

Biology

Chemistry

Geology

Mathematics

Physics

C. SOCIAL SCIENCES

Administrative Science

Ancient History

Economics

Education

Government  
 History  
 Philosophy and Religion (except courses listed among  
 the humanities)  
 Psychology  
 Sociology

PHYSICAL EDUCATION One year of physical education is required for graduation.

RESIDENCE Candidates for the degree must earn in residence at least sixty credit hours, including fifty-three basic credits with a 2.0 cumulative average. They must be resident students at Colby for at least four semesters, including the last two semesters before graduation. A resident student is defined as a full-time student taking at least twelve credit hours.

Credits earned at another institution while concurrently registered at Colby may not be applied toward graduation requirements.

EXEMPTION BY EXAMINATION When appropriate, either all college or area requirements, as well as certain requirements for the major, may be absolved by examination without course enrollment, at the discretion of the department concerned. Credit hours can be earned under specified conditions.

OPTION FOR CERTAIN STUDENTS A student returning to college after an absence must meet any new requirements for graduation if he still needs more than one half of the total number of credit hours required for graduation. If he still needs no more than one half of the total number, he may meet either the new requirements or those in effect when he first enrolled.

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MAJOR

Near the end of the freshman year, each student elects a tentative major in which he wishes to concentrate. The major may be chosen in a single subject, in one of a number of designated combinations, or in a specially designed independent major.

The respective academic departments and programs specify the courses constituting a major in each department or program. Before selecting a major, the student should acquaint himself thoroughly with the requirements detailed in the section on *Divisions, Departments, and Courses of Study*.

With the consent of the departments or programs concerned, a student may change his major. Forms for officially effecting such change must be obtained from and returned to the registrar's office.

Any student whose accumulated quality points in the major are less than two times the number of credits earned has lost his right to continue with that major. A student who has thus lost his major may, with the consent of the department or program concerned, be accepted or retained for one semester as a probationary major. Each department or program designates the courses to be calculated in the major average.

A student may change his major at the end of the junior year if he has completed, with the required points, the equivalent of at least twelve credit hours toward the fulfillment of the new major. If, at the end of his junior year, a student finds no department or program in which he can be accepted as a major, he cannot continue in college. If, in the senior year, the cumulative points in courses completed toward the major fall below the required number, the major requirement is not fulfilled, and the degree cannot be awarded.

INTERDEPARTMENTAL  
MAJORS

Approved interdisciplinary majors are offered in the following areas:

American Studies	Studies in Human Development
East Asian Studies	Studies in Western Civilization

In addition, combined majors are offered in the following areas:

Administrative Science- Mathematics	Geology-Biology
Classics-English	Geology-Chemistry
Classics-Philosophy	Philosophy-Mathematics
Economics-Mathematics	Philosophy-Religion
	Psychology-Mathematics

INDEPENDENT MAJORS

A student may design an independent major by presenting a detailed written proposal prepared with the support of an adviser who agrees to assume responsibility for the program throughout its course. Normally there will be at least one other adviser who will help to shape and direct the program. The program must include integrated course work representing from one quarter to one third of the total credit hours re-

quired for graduation. Implementation requires the written approval of the independent major board, which is made up of the dean of the faculty, two faculty members elected from each division, and two students appointed by the Student Association. An annual report is required from each independent major and his adviser, which will include any minor changes in the program; substantial changes, or a change of adviser, must be referred to the board.

---

READING PERIOD

During the two weeks preceding the final examinations at the close of the second semester, a special reading period is scheduled for many courses numbered in the 300's and 400's. Not a time for review, this period frees the student from the routine of class meetings so that he may devote full time to independent study of freshly assigned reading or laboratory work. Although classes do not meet, instructors are available for consultation. Reading-period assignments are tested in the final examinations to a maximum of one third of the examination time.

Whether to have a reading period is decided by each instructor, who informs students whether classes are to continue meeting during the two weeks. Reading periods are not held in courses exempted from final examinations.

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JANUARY PROGRAM OF  
INDEPENDENT STUDY

The January Program of Independent Study, introduced in 1961-62, grew from a desire to extend to students a greater measure of academic responsibility. Formal coursework of the first semester begins immediately after Labor Day and extends to the start of the Christmas holiday; this includes semester examinations. Administratively, the January program is officially part of the first semester. The second semester starts in February, freeing January for projects distinct from regular class meetings. January is a period during which topics may be pursued singlemindedly, free from the competing demands of an orthodox curriculum.

Great diversity is evident in the nature and conduct of the projects, which may be undertaken with a group or independently. Students may work on campus or away, in laboratories, museums, libraries, hospitals, professional offices, government agencies, and the like. The college does not impose

restrictions on the subject matter nor on the method of research, but each project must have demonstrable academic or creative merit and be conducted through direct supervision by the faculty sponsor or an off-campus supervisor working with the sponsor.

Because the January program assures most students considerable flexibility in use of their time, it offers a chance to participate fully in extracurricular activities, including athletics, drama, and music. During January the college maintains a schedule of lectures, seminars, concerts, and art exhibitions.

The concept of January as a period of study or field experience extends to faculty as well. At least half serve as program sponsors; the others, relieved of teaching, have an opportunity for writing, reading, and research.

To be eligible for graduation, each student must successfully complete one January program for each first semester in residence unless he studies abroad or on exchange during the second semester with the approval of the college.

Registration for the program takes place during the first semester, when descriptions of group projects and a list of faculty available during January are published. Two options are offered:

- (1) Group plans, designed primarily for freshmen and sophomores. Freshmen are required to take group plans.
- (2) Individual plans for upperclass students. These projects must be approved by the sponsor's department.

Most departments require that one independent (nongroup) January program be done in the major. Each student is responsible for knowing the January program requirements of the major.

A fine is charged for late registration. A student failing to register for a program by the end of the third day of the January program will be considered to have failed the program for that year. A student may not register for two concurrent January programs.

January programs are graded *honors*, *pass*, or *fail*. Marks of *Abs* (absent from final examination) or *Inc* (work otherwise incomplete) may be given only in cases where the student has an excuse from the dean of students. A grade of *CF* (conditional failure) may be reported if the sponsor judges the work



generally creditable but flawed by errors or inadequacies which may be corrected by the student. Projects receiving grades of *Abs*, *Inc*, or *CF* must be completed by the end of spring vacation.

Make-up of a deficiency is arranged in consultation with the faculty sponsor and the director of the January program. Make-up proposals must be registered by the third Monday in April. Departments may permit not more than one January program deficiency to be made up by successful completion of a summer school course approved in advance for this purpose by the department. Students may not, at any time, apply credits thus earned toward any other requirement for the degree, nor may they register for more than one make-up January program during any semester.

A student whose record shows two January program deficiencies will be placed on probation by the committee on standing.

#### SENIOR SCHOLARS

This honors program permits a limited number of seniors to devote six credit hours per semester to a project approved by a faculty committee and pursued under the guidance of a faculty member. A final report is judged by three faculty readers and, upon successful completion, the senior scholar's report is deposited in the college library. Senior scholars are cited in the commencement exercises.

#### FOREIGN STUDY

Since 1970-71 Colby has had a Junior Year Abroad program in France, established in cooperation with the Université de Caen. Enrollment is limited to Colby students. Details of the program are available from the department of modern foreign languages.

Colby is a member of the Associated Kyoto Program, which makes possible a year of study in Kyoto, Japan. In addition, Kansai Gaikokugo Daigaku of Osaka annually makes a tuition scholarship available to a selected Colby student.

By agreement with Manchester College, Oxford, and with the University of Aberdeen, limited numbers of Colby nominees are accepted for a year of study at these institutions.

Many opportunities for study abroad in these and other

countries are available through the programs of other institutions or by independent arrangement.

Permission to study abroad during the junior year is given by the committee on foreign study and student exchange programs. Credit for such study is guaranteed only if the student follows a program approved in advance by the major department and the committee. Application must be made by November 15 for spring-semester study abroad and by April 15 for fall-semester; forms can be obtained from members of the committee. Approved applicants must notify the dean of students office of their plans by December 15 for a second semester abroad or by May 1 for a first semester abroad.

Committee approval presupposes an academic record for the first three semesters sufficient to give promise that the student will complete his program of foreign study with credit to himself and to the college. No student on probation will receive committee approval.

The committee administers the Harold D. Walker Scholarship Grants for study and travel in Latin America, the French Government Scholarship Fund for study abroad in French language and literature, and the James Perry Class of 1911 Fellowships for study abroad with preference to students admitted to a college or university in the Near East.

#### EXCHANGE PROGRAMS

Colby participates in student exchange programs with Fisk University in Tennessee and Pitzer and Pomona colleges in California. Ordinarily, exchanges are arranged for a single semester of the junior year. Each student pays tuition, board, and room charges at the home institution; travel is at the student's expense.

A course exchange program is in effect with Thomas College (Waterville). Students may obtain information about exchange programs from the committee on foreign study and student exchange.

#### OFF-CAMPUS PROGRAMS

A limited number of qualified students may earn up to fifteen hours of academic credit by one or more off-campus field experiences which have a direct, demonstrated relationship to their major field of interest. Such field experiences may be

done while in residence at the college, concurrent with regular course work, or away from campus while on a leave of absence. Students must submit a formal proposal, to be approved by the appropriate academic department in advance of the start of the field experience. Each student earning Colby credits in this program is charged an administrative fee.

An opportunity is provided for a limited number of Colby students in their sophomore and junior years to participate in the various Washington Semester Programs organized by The American University in Washington, D.C. Through these programs, students can obtain firsthand knowledge of the national government as it deals with the crucial problems of cities, foreign policy, economic development, and scientific advancement.

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#### FOREIGN STUDENTS

Colby has traditionally encouraged the enrollment of students from other countries and is actively engaged in programs of international cooperation and exchange.

Students from foreign countries other than Canada should write to the dean of admissions for a preliminary application form. Upon its receipt, the college will determine whether or not the candidate has the potential for completing the requirements for a Colby degree. If the decision is affirmative, application material will be forwarded.

Applicants should be aware that financial aid for foreign students is extremely limited.

All foreign applicants are encouraged to take the Scholastic Aptitude Test (SAT) if it is offered in a student's home country. In addition, applicants who have attended a school in which the medium of instruction is not English are required to take the Test of English as a Foreign Language (TOEFL). The college has no program to teach English as a foreign language.

The adviser to foreign students is Professor Jonathan M. Weiss of the department of modern foreign languages.

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#### COMPUTER RESOURCES

Students have free access at several locations on campus to a dozen keyboard terminals that are connected to Colby's time-shared PDP-11/50 computer installed in the Lovejoy Building. Programs written in BASIC or FORTRAN are developed interactively to solve a variety of problems in the natural and social

sciences or to pursue individual interests in programming or computation. Various courses, including calculus, provide an introduction to computer use.

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#### AUDIOVISUAL CENTER

The audiovisual center in the Miller Library provides media services for the college community. In addition to offering the traditional equipment delivery and loan services, the center also produces educational materials and provides instruction in many media-related areas. Audiovisual maintains a full complement of equipment, from overhead projectors to portable video recorders.

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#### REGISTRATION

Students must register for courses of each semester on the regularly assigned days. A fine of \$5 for each day of delay is charged on the student's semester bill for registration later than the date specified.

No student will be permitted to register later than the seventh class day of the semester, unless the dean of students certifies in writing that exceptional circumstances justify such action.

The treasurer is not authorized to permit deferred payment of any fees that the board of trustees requires to be paid in advance of registration. It is important that students understand the distinction between payment of fees and registration. Each student must complete the financial procedures specified by the treasurer before he can register.

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#### ELECTION OF COURSES

Each semester, with the approval of their advisers, students elect programs of study for the following semester; these elections, with approved revisions, are confirmed during the registration period at the beginning of each semester. A student's academic program must bear his adviser's approval and be properly filed with the registrar; no credit will be granted for work in a course for which a student is not correctly registered.

With the approval of the adviser, voluntary changes in a student's program may be made during the first eight class days of a semester, the first day of classes being considered the first day of the semester. After the eighth day, no changes

may be made voluntarily from one course or section to another.

Changes of section within a course must be approved by the department or course chairman. Unless otherwise stated in the course description, no course may be repeated for additional credit. A student may not register for two courses scheduled to meet concurrently.

#### FLEXIBLE CREDITS

Fifteen of the 120 hours required for graduation (called "flexible credits") can be earned in any combination of the following: (1) additional basic credits, (2) courses taken on a pass/fail basis, (3) courses specifically designated as carrying flexible credit, or (4) independent, noncurricular field experience that has a direct, demonstrated relationship to the student's curricular program and which has been approved in advance by the appropriate departmental or program committee. Details about field experience can be obtained from the assistant to the dean of faculty.

#### PASS/FAIL

Students may elect a limited number of courses on a pass/fail basis (see FLEXIBLE CREDITS); beginning with the class of 1981, these cannot include distribution requirements. Departments may specify that major courses must be taken on a conventionally graded basis; it is the student's responsibility to be aware of the policy of his department.

Forms for declaring pass/fail options can be obtained at the registrar's office. The form must be completed and returned no later than ten days after the end of the change of course period of the semester in which the course is to be taken. Once submitted, a pass/fail election may not be voluntarily revoked. Letter grades submitted by instructors will be converted to *P* (for grades *A* through *D-*) or *NP* before being posted on permanent record cards. No information about the "quality" of a *P* will be released by the registrar's office, even upon request of the student himself.

#### AUDITING COURSES

A Colby student may register to audit courses (not for credit) by obtaining written consent of the instructor and his adviser. He is not charged an auditing fee, nor is the audit recorded on the student's permanent record.

Adults who are not students of the college may register to audit courses at a fee of \$5 each semester for each credit hour, provided they obtain written consent of the instructor and of the dean of admissions; the fee is waived for persons sixty-five years of age or older. Members of the college staff and their spouses may register without charge to audit courses or to take courses for credit; the necessary forms can be obtained from the registrar. Permission to audit will be withheld if the class is already too large and if auditing applications for it are numerous.

An auditor is not permitted to submit papers or perform any other function for which course credit is usually given. For this reason, auditing is seldom permitted in courses where the method of instruction involves significant individual attention and criticism. Under no circumstances can academic credit be given an auditor, nor can he later convert an audited course into an accredited course merely by paying the regular course fee. The decision whether the course is to be audited or taken for credit must be made at entry.

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#### EXAMINATIONS

At the close of each semester, a period of six days is set aside for examinations in all courses except those which are specifically exempted by the chairman of the department concerned. The time and place of semester examinations are fixed by the registrar. The mark for the examination may constitute up to half of the total course mark.

No student may be excused from any semester examination except for illness or emergency so grave as to justify excuse in the judgment of the dean of students, or unless he has filed with the registrar a valid conflict-of-exams form based on his having scheduled three examinations in a single day or any four consecutive examinations. A student excused because of an examination conflict may be examined at a later date convenient to the instructor during the examination period or during a make-up date scheduled the day after the end of the regular examination period. Under no circumstances may a student be permitted to take a semester examination earlier than the date on which it is scheduled. A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

With the consent of the dean of students, a student may, for unusual reason accept, in lieu of semester examination, a final mark for the course equal to seventy-five percent of his average without examination. Because this procedure is costly in terms of reduction of final mark, few request it.

Hour examinations and shorter quizzes are given as the individual instructor decides. Short quizzes may be scheduled without notice, but each instructor is expected to give one week's notice of any hour examination.

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. A student is entitled to appeal charges of academic dishonesty to the faculty appeals board, which shall recommend action to the president of the college.

#### ACADEMIC STANDING

A student's class standing is determined by the number of credit hours he has passed. Freshman standing, fewer than twenty-four credit hours; sophomore, from twenty-four to fifty-three; junior, from fifty-four to eighty-three; senior, eighty-four or more.

Throughout the semester, at the discretion of the professor, warnings are sent to students. A major warning means that a student's standing at that time is below passing; a minor warning that, though passing, standing is so low that failure of the course is likely.

Official marks are issued in duplicate to students at the end of each semester. The college does not send grades directly to parents. In practice, a student often obtains his mark directly from the instructor, but the only official record is that in the registrar's office. Normally, grades are posted as *A*, *B*, *C*, *D*, *E*, *F*; pluses and minuses may be appended to grades of *A* through *D*. Courses described as "nongraded" are marked *Cr* (credit) or *NC* (no credit). If a course has been elected to be taken on a pass/fail basis, the registrar will convert the letter grade to *P* or *NP* before recording and releasing it.

In a course designated as a year course, the tentative mark, showing progress at the end of the first semester, carries no

credit toward graduation; for such courses, no credit is given until the completion of the full year's work. A student who has failed a year course may not secure credit by repeating merely the second semester even if his tentative mark at the end of the first semester is passing; he must repeat the entire year to obtain credit.

A mark below *D-*, except in courses referred to in the next paragraph, indicates that a course has been failed and that credit thus lost must be made up by an additional course taken subsequently. If the failed course is specifically required for graduation, it must be repeated.

A mark of *E* is given only in specifically designated first semester courses. The mark *E* signifies temporary failure, which may be made up by improved work in the sequentially related course during the second semester. Passing the second semester in such a course entitles the student to a change of the first semester mark from *E* to *D-*.

A mark of *Abs* indicates that a student has been absent from the final examination (see EXAMINATIONS). A mark of *Inc* indicates a course not finished for some reason other than failure to take the final examinations. Grades of *Abs* or *Inc* must be made up within limits set by the instructor, and not later than January 15 for the first semester and August 30 for the second semester. After these dates, any remaining mark of *Abs* or *Inc* will be changed to an *F*. The dean of students may give limited extensions for the completion of work without penalty but only for excuses similar to those acceptable for missing a final exam.

Marks of *W* and *WF* indicate withdrawal from course, and represent the student's standing at the time of withdrawal. *WF* indicates that the student was failing; *W* indicates either passing or no basis for judgment. These marks are excluded from computation of all averages except that *WF*'s incurred within the last thirty calendar days of the semester are treated as *F*'s in averages. Withdrawal is permitted through the final class day of the semester.

For abandoning a course without permission the student shall receive an *F*.

The letter *R* is used together with an appropriate mark when a student has repeated a course previously passed, and



in such a case there can be no additional credit in terms of credit hours.

When a student's academic record is seriously deficient, the decision to retain or dismiss him from college or to place him on probation is made by the committee on standing. The committee considers both quantity and quality of work in determining progress. The faculty has endowed this committee with full power to deal with these matters.

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WITHDRAWAL,  
LEAVE OF ABSENCE

Students who leave Colby while a semester is in progress are required to withdraw, as are students who leave at the end of a semester with no definite plans for return. Students who withdraw are not permitted to return without special approval. Students who withdraw for medical reasons must have the permission of the college physician in order to apply for readmission. Eligibility for initial or continued financial assistance from the college will be subject to review and action by the financial aid committee.

Students who leave to participate in college-approved student programs elsewhere or who leave at the end of a semester for a specified period may take a leave of absence and are not required to obtain special permission in order to return. Those who do poorly in study programs elsewhere are, however, subject to review and action by the committee on academic standing.

Such withdrawals or leaves must be officially accomplished by filing the appropriate form, which must be obtained from and signed by the dean of students. The proper exit procedure, which includes the surrendering of the student's identification card and dormitory keys, must be followed to be eligible for any refunds that may be due (see REFUNDS). A student who leaves without official notification is not eligible for refunds, which are computed from the date on the approved notice.

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TRANSFERRED CREDITS

Courses taken at other institutions may be credited toward the Colby degree under the conditions and circumstances listed below. In addition to the conditions listed on these pages, restrictions detailed in the section on RESIDENCE requirements (q.v.) should be read with care.

(1) When students are admitted by transfer, their records

are tentatively evaluated by the registrar to determine the transferable equivalent in Colby courses. These courses are credited subject to confirmation through satisfactory progress at Colby College.

(2) College level courses taken by freshmen prior to matriculation are evaluated on the same basis as courses presented by new transfer students.

(3) Students on approved foreign study or student exchange programs will receive credit under terms specified by the committee on foreign study and student exchange programs. Credits earned in summer school may be transferred if approved by the appropriate Colby department; forms for this purpose can be obtained at the registrar's office and should be filed prior to taking the course. No student may receive credit toward graduation for more than fourteen credit hours taken in summer school for the purpose of making up deficiencies incurred at Colby.

(4) When a student who has been dropped from the college applies for readmission, courses taken during the period of separation are examined for transferable credit on the same basis as courses presented by new transfer students.

# Admission

Colby College admits students as candidates for the degree of Bachelor of Arts. Admission is selective, and evaluation includes data concerning academic achievement and ability, as well as qualities of intellectual promise, interest and excitement in learning, character, and maturity.

The college actively seeks applicants who have special qualities or talents to contribute to the Colby community, as well as those who represent diverse geographical, racial, and economic backgrounds. Such candidates are expected to be within acceptable ranges of academic ability and preparation.

The quality of a candidate's preparation is judged by the academic record, the recommendations of school authorities, and results of tests administered by the College Entrance Examination Board.

To ensure a common educational base, a minimum of sixteen academic preparatory units is recommended, including: English 4, foreign language 2, college preparatory mathematics 3, history or social studies 1, science (laboratory) 1, college preparatory electives 5.

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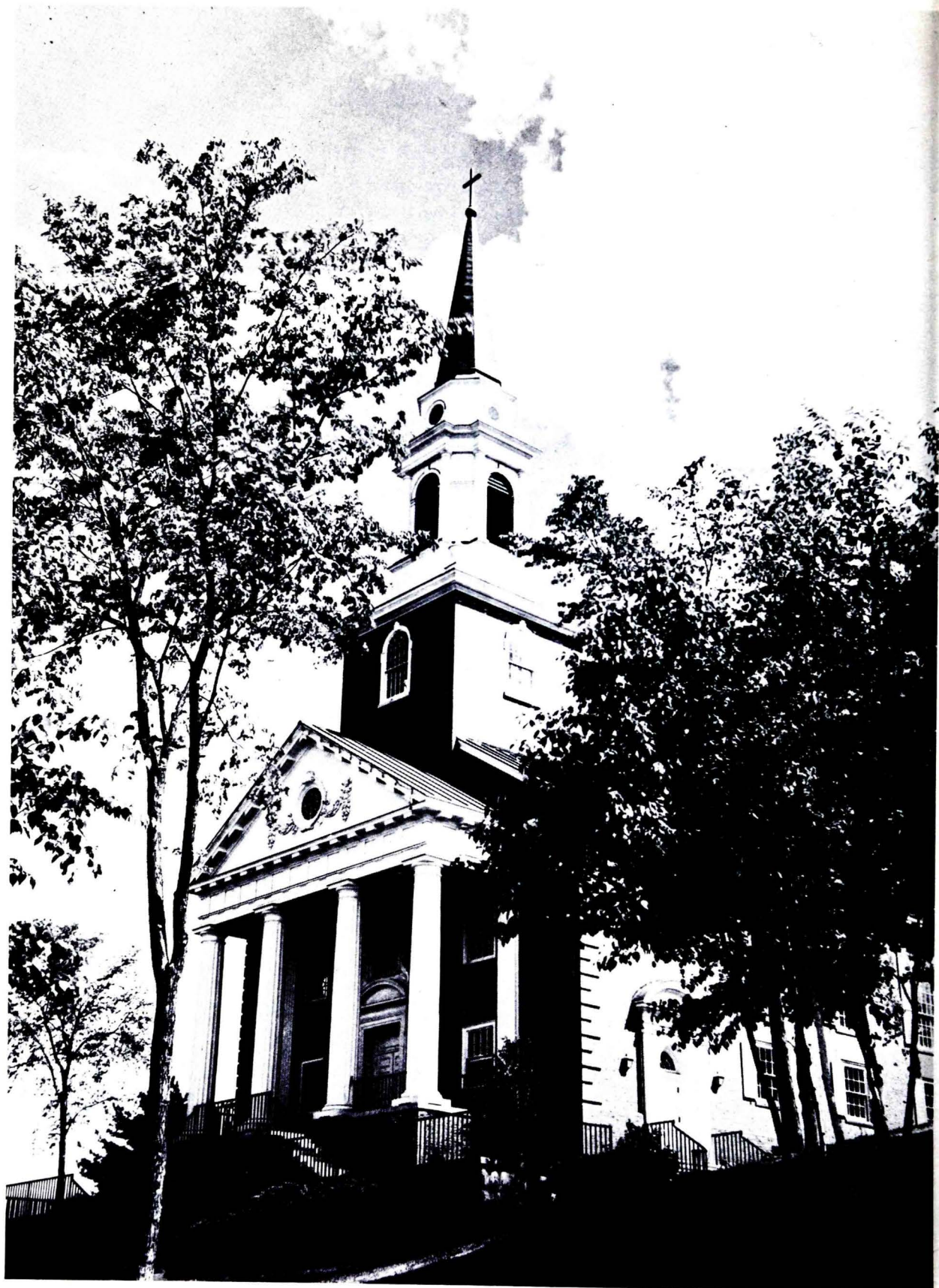
## APPLICATION PROCEDURE

(1) Candidates submit applications provided by the admissions office prior to February 1 of the year admission is desired. A nonrefundable fee of \$25 accompanies each application.

(2) Colby grants early decision to well-qualified candidates who have made the college their first choice. Applicants submit application forms, junior or senior SAT's, and three achievement tests (English composition and two others) prior to January 15, and include the printed form requesting early decision. Early decision candidates may file regular applications to other colleges with the understanding that these will be withdrawn if the candidate is accepted on an early decision basis at Colby.

College notification of action is normally given within four weeks of the receipt of the completed application but no earlier than December 15. Candidates who have not been approved for early decision are deferred to the college's regular admission plan and are reviewed without prejudice at the usual time in the spring.





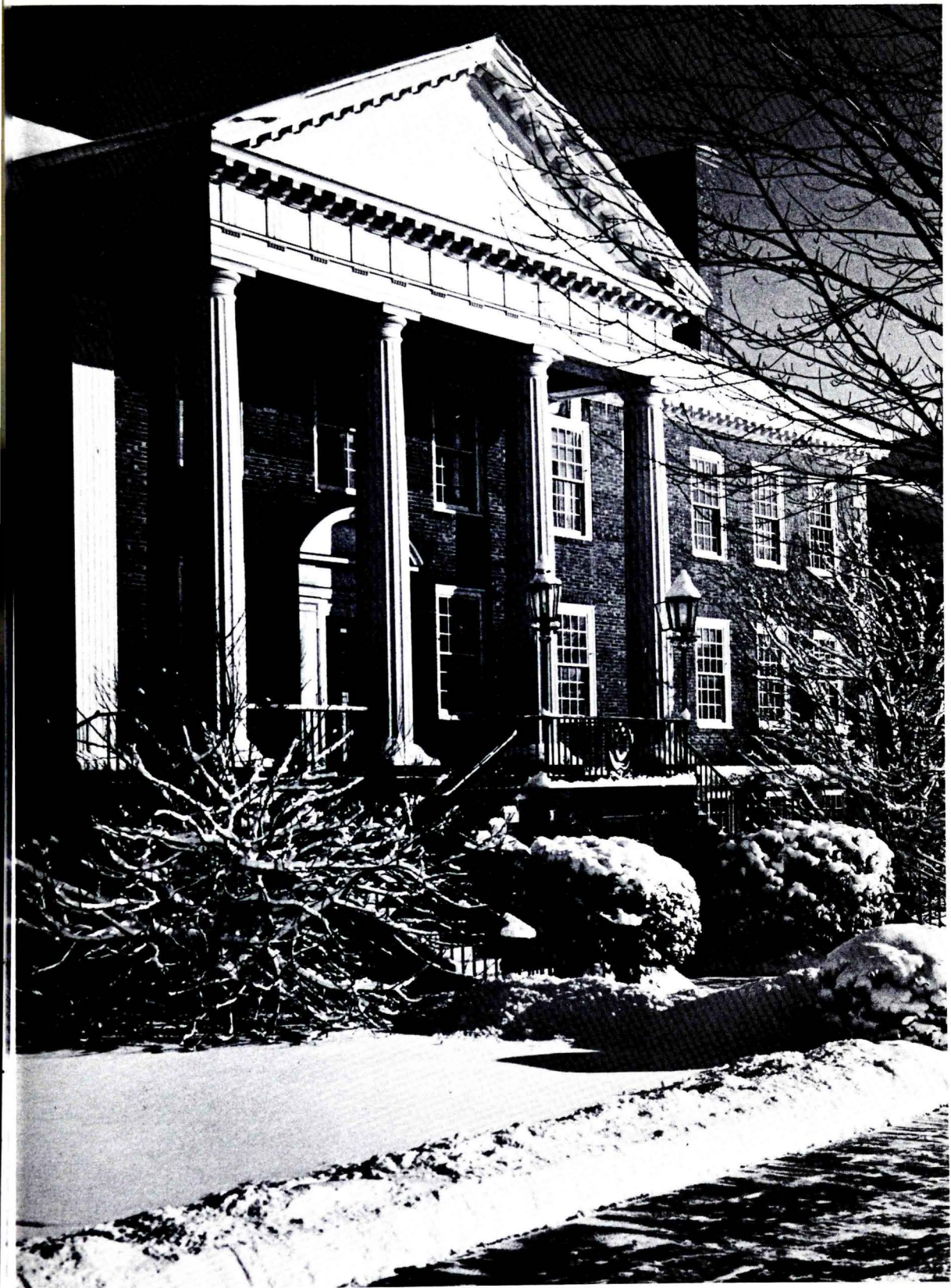
*Lorimer Chapel*

*Award winning dormitory complex*

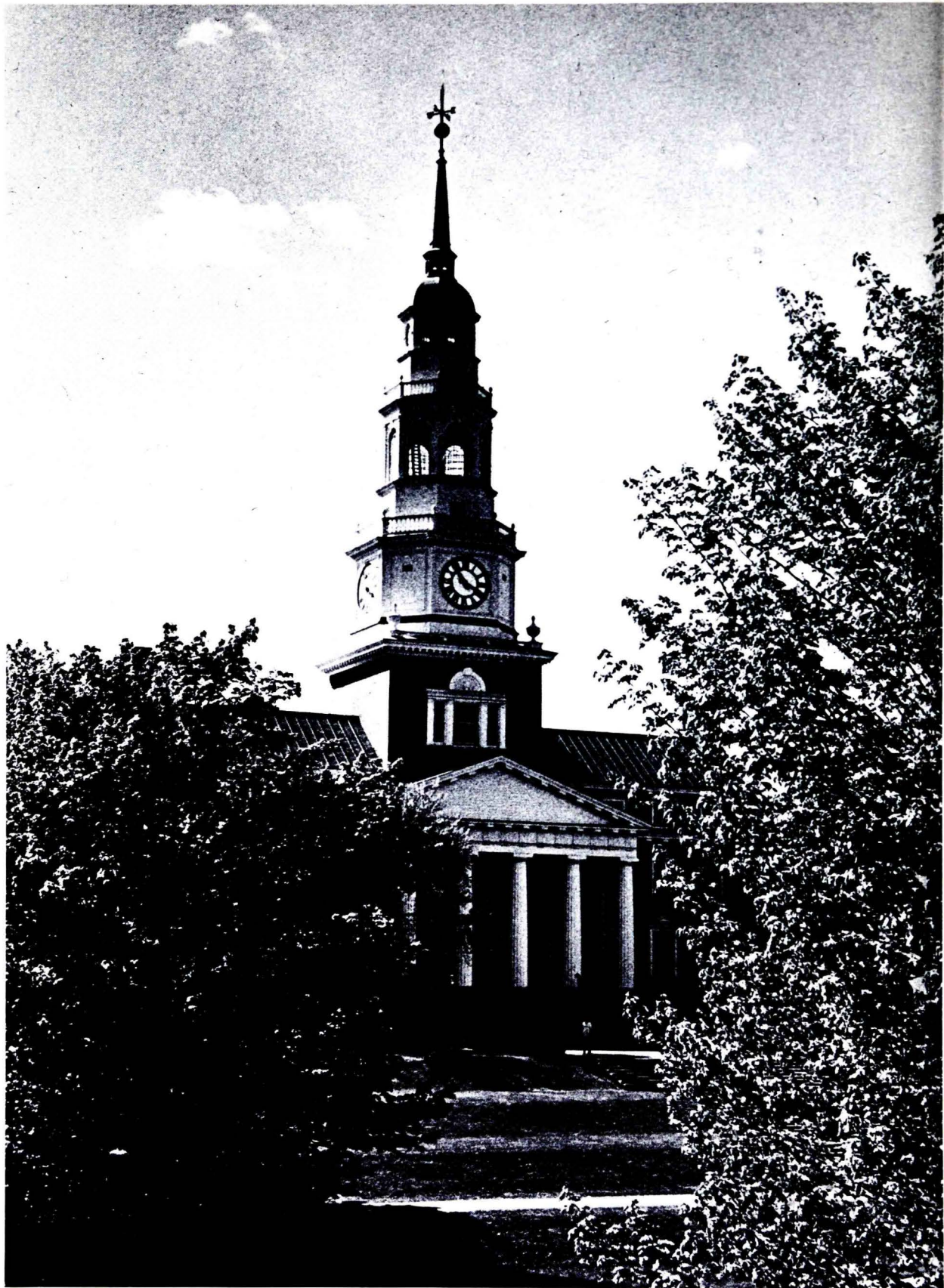


*Championship meet, Fieldhouse*











*Across Johnson Pond*



The schedule for admissions applicants is:

*January 15:* Deadline for filing applications for early decision admission and financial aid.

*February 1:* Deadline for filing applications for regular admission and financial aid.

*Mid-April:* Notification of action by admissions committee to regular applicants.

*May 1:* Accepted regular applicants confirm intention to attend Colby by payment of an advance tuition deposit of \$200.

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INTERVIEWS

Individual interviews, though not required, may be scheduled weekdays throughout the year at the admissions office except during the months of February, March, and April. Interviews may also be scheduled on Saturday mornings during the academic year from mid-September through January. A group informational session is held at 10:30 on these Saturday mornings to accommodate visitors who were unable to obtain individual appointments.

Alumni interviews can be arranged for students who cannot visit the campus and would like some additional personal contact and information about the college.

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AMPUS VISITS

A visit to the campus is encouraged. Guides are normally available at the admissions office weekdays throughout the year and on Saturday mornings by appointment when the college is in session. There are a number of motels near the campus. A list is available from the admissions office.

Colby is reached by auto from the Maine Turnpike and I-95; Waterville is serviced by Greyhound Bus and Air New England.

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ESTS

All candidates are asked to submit the results of the Scholastic Aptitude Test and three achievement tests of the College Entrance Examination Board. The Scholastic Aptitude Test should be taken no later than January of the senior year. The achievement tests taken should include English composition; the other two may be of the candidate's choice. A language achievement test for placement purposes may be submitted any time prior to registration in September. A score of sixty on the

language test meets the college language graduation requirement.

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#### ADVANCED STANDING

Colby participates in the Advanced Placement Program of the College Entrance Examination Board, providing academic credit for students qualified for advanced standing. Those interested take CEEB advanced placement tests and have them submitted to Colby for evaluation. Students scoring four or five receive automatic placement and credit from the college. Scores of three and below are evaluated by the academic department concerned.

In addition to earning advanced placement credits, regularly enrolled students may earn credit by examination in freshman or sophomore-level courses to a maximum of twelve hours. Departmental examinations or external examinations approved by the department may be used, with credit given for the equivalent of at least C-level work. The cost of each examination is borne by the student.

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#### EARLY ADMISSION

A small number of students are admitted without completing the senior year of secondary school. This is done only upon the recommendation of the secondary school and when a candidate has exhausted the educational opportunities at the school. Considerations of academic and personal maturity are important to the candidate and to the college in earlier-than-usual admission.

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#### TRANSFER STUDENTS AND VETERANS

First consideration in admission is for freshmen, but some transfer students are accepted each year. Admission by transfer is normally limited to those with satisfactory academic and personal records from accredited colleges or universities.

Transfer application forms, including a special recommendation form, may be obtained from the admissions office. Credits from accredited institutions are generally accepted for courses comparable to ones offered at Colby in which grades of C or better are received. No more than sixty transferred credit hours may be applied toward a Colby degree.

Veterans may request advanced standing consideration for completion of service schools or USAFI courses in advance of matriculation. Credit is not granted for military service or College Level General Educational Development Tests.

NONMATRICULATED  
STUDENTS

Subject to limitation of enrollment in individual courses and the consent of the instructors, the college permits adults to enroll as nonmatriculated students. Such persons must present evidence that they are qualified to pursue the intended courses and pay the fee of \$165 per credit hour. Individuals sixty-five or older may audit a course without charge. Admission of nonmatriculated students is the responsibility of the dean of admissions.

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HEALTH CERTIFICATE

Before matriculation, each student must present a health certificate, to be obtained from Colby and signed by a physician, including evidence of tetanus toxoid immunization within the last three years. A chest X ray and/or current Tine Test is also required. It is recommended that polio immunization be completed prior to entrance. Preregistration cannot be guaranteed unless all required forms are received two weeks prior to registration.

# Orientation

An orientation program for freshmen and other new students is held each fall for several days before the beginning of classes. Designed to acquaint students with the intellectual and social life of the college, the program includes meetings with faculty and staff advisers, and placement examinations. A few days in advance of the orientation, a limited number of freshmen may participate in Maine wilderness trips conducted by upperclassmen and faculty members.

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## READING TESTS

Tests during orientation week determine levels of speed and comprehension. Students with low scores are offered assistance in a developmental reading program.

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## PLACEMENT IN MATHEMATICS

Interviews are scheduled for freshmen who have not taken the CEEB advanced placement examination in mathematics but who seek advice on placement in Mathematics 122 (Calculus II), 221 (Calculus III), or 241 (Elementary Statistics).

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## PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1979-80 is met at entrance by a score of sixty or more on the CEEB language achievement test.

Students *continuing* a foreign language at Colby are placed on the basis of the CEEB achievement test in that language. They are expected to take that test in their senior year or the last year of study of the language at the secondary-school level. If they have not taken this test, or if more than one year has elapsed since the test was taken, and they wish to continue the study of the language, they must take the language placement test during the freshman orientation program. Those presenting two or more units for entrance continue in courses above the 121, 122 level, with the following exceptions:

(1) If the last year of a student's study of the language was the sophomore year in high school, regardless of the number of years of previous study, he may enroll in 121, 122 for credit.

(2) If a student has had two or more years of language work that terminated in the junior or senior year, he may repeat the language with credit only if the department determines, on the basis of the CEEB placement test, that the preparation received is not adequate for the 123, 124 level.

# Fees and Financial Aid

ANNUAL STUDENT CHARGES 979-80	Tuition	\$4,725
	Board	1,060
	Room	725
	Dormitory Damage Deposit	15 <sup>1</sup>
	General Fee	250
		<b>\$6,775<sup>2</sup></b>

CALENDAR OF PAYMENTS 979-80	<i>Upon acceptance for admission</i>	Admission deposit — freshmen	\$ 200
	<i>June 15</i>	Attendance deposit for first semester — upperclassmen	\$ 200
FIRST SEMESTER	<i>On or before August 15</i>	One half of annual student charges for tuition, board, and room, plus the dormitory damage deposit and the general fee for the year  (Note: Admission, attendance, and room deposits as paid may be deducted from this first semester payment; applicable miscellaneous charges should be included with the first semester payment.)	\$3,520 <sup>3</sup>
	<i>November 15</i>	First semester statement	
	<i>November 15</i>	Attendance deposit for second semester — all students	\$ 200
SECOND SEMESTER	<i>On or before January 10</i>	One half of annual student charges for tuition, board, and room  (Note: Second semester attendance deposit as paid may be deducted from this second semester payment; applicable miscellaneous charges should be included with the second semester payment.)	\$3,255 <sup>4</sup>
	<i>April 4</i>	Second semester statement	
	<i>April 4</i>	Room deposit for first semester of the following year	\$ 100

PAYMENTS MUST BE MADE IN ACCORDANCE WITH THIS CALENDAR OF PAYMENTS WHETHER OR NOT REMINDER NOTICES ARE RECEIVED FROM THE COLLEGE.



<sup>1</sup>The dormitory damage deposit does not apply to residents of fraternity houses.

<sup>2</sup>Increases in costs may necessitate an adjustment in charges.

<sup>3</sup>Students who are permitted to eat or live off campus may deduct \$530 for board or \$362.50 for room and dormitory damage deposit from the amount due in advance of the first semester.

<sup>4</sup>Students who are permitted to eat or live off campus may deduct \$530 for board or \$362.50 for room from the amount due in advance of the second semester.

FEES AND CHARGES  
EXPLAINED

**DEPOSITS** *Admission Deposit—Freshmen:* A nonrefundable deposit of \$200 is due on or before the date for confirmation of intention to attend. This deposit is deductible from the first semester payment due August 15.

*Room Deposit:* All upperclass students must, in order to reserve a room for the first semester of the following college year, make a \$100 deposit on or before April 4. This deposit will be forfeited if the student does not return to college unless the room reservation is withdrawn on or before July 1.

*Attendance Deposit for First Semester:* A nonrefundable deposit of \$200 is required of all upperclass students on or before June 15 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For entering students, the \$200 admission deposit satisfies this requirement.

*Attendance Deposit for Second Semester:* A nonrefundable deposit of \$200 is required of all students on or before November 15 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. The attendance deposit of a student who does not return to Colby will be retained as a credit on the student's account for one year. If the student does not return the following year, the deposit will be forfeited.

**ADVANCE PAYMENTS** *Tuition:* The tuition charge is \$2,362.50 per semester and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than nine hours, the tuition charge is \$180 per credit hour. Nonmatriculating students will be charged at the rate of \$180 per credit hour.

*Board:* Board in college dining halls is charged at the rate of \$530 per semester. (Increases in food costs may necessitate an adjustment in the board charge.) Payment must be made prior to each semester in accordance with the calendar of payments. All students living on campus are required to pay the board charge to the college.

*Room:* The room charge in college dormitories is \$362.50 per semester, payable prior to each semester in accordance with the calendar of payments. Students are expected to occupy college housing facilities to the full extent of their availability. Other arrangements may be made only with specific approval of the dean of students. Dormitory reservations are made through the office of the dean.

*Dormitory Damage Deposit:* All students living in college dormitories must pay a \$15 deposit prior to the first semester in accordance with the calendar of payments. All expenses resulting from damage to or loss of college property in the public areas of the dormitories (lounges, hallways, etc.) will be charged against these deposits except in cases where the responsible students can be identified. The unused portion of these deposits is refunded on a prorated basis at the end of the year. Liability for damage to or loss of college property located within individual dormitory rooms lies with the resident(s) of that room. Students living in college dormitories are required to enter into a room contract covering this liability.

*General Fee:* The general fee (compulsory for all students) is \$250 for the year and is payable in full prior to the first semester in accordance with the calendar of payments.

*Student Activities:* Included in the general fee is a sum allocated for the Student Association and such student organizations as it chooses to support.

*Health Services:* The general fee also supports the college health services. No additional fee is required for staff services in the student health center. Included in the general fee is a mandatory sickness and accident insurance policy, which the college covers by separate contract with an insurance carrier. Nonboarding students are charged \$6 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

SEMESTER STATEMENTS Charges for miscellaneous items not paid prior to registration are included on semester statements issued November 15 and April 4.

MISCELLANEOUS *Chemistry Laboratory*: A fee of \$20 per course is charged. Students enrolled in chemistry courses are also required to pay for excessive breakage or loss of apparatus.

*Fraternity Fee*: Fraternity members are charged a fee in excess of the room rent established for college dormitories. The fee, determined by each fraternity, applies whether or not the student resides in the fraternity house.

*Applied Music*: Students receiving musical instruction for academic credit under the applied-music program are charged a fee of \$70 for a one-credit course and \$120 for a two-credit course.

*Developmental Reading*: A \$25 fee is charged for the developmental reading course.

*Telephone*: Telephones are located in each room of the following dormitories and fraternity: Dana, Taylor, Sturtevant, and KDR. Each student living in these housing facilities is charged a fee of \$11 per semester for use of these telephones.

All students other than transfer and accelerating students are required to have paid to the college the equivalent of eight semesters full tuition before being granted a degree.

#### PAYMENT OF BILLS

Tuition, board, room, dormitory damage deposit, general fee, and any other financial obligation to the college must be paid in full in accordance with the CALENDAR OF PAYMENTS (see previous pages) before a student is permitted to register or attend classes. Students excluded from classes under this rule for longer than ten days may be suspended from college for the remainder of the semester. In the event that a student does register, he/she will not receive grades for that semester nor be allowed to register for any subsequent semester until all outstanding obligations to the college have been paid. Seniors with outstanding bills to the college will not be allowed to graduate or receive transcripts until all such bills have been paid.

Plans providing for monthly payments at moderate cost are available through the Insured Tuition Payment Plan, 53 Bea-

con Street, Boston, Massachusetts 02108, and Academic Management Services, Inc., P.O. Box 1000, Pawtucket, Rhode Island 02860.

The business office cannot permit deferred payment of any portion of the charges due prior to registration. Students and parents must deal directly with the assistant treasurer or treasurer concerning college bills. No other officers of the college have authority over their collection.

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REFUNDS

In case of voluntary withdrawal, refund may be made of the balance of a student's account in excess of charges. The general fee is not refundable. Tuition, board, and room rent are charged according to the following schedule:

- During first two weeks of classes . . . . . 20% charged
- During third and fourth weeks of classes . . . . . 40% charged
- During fifth and sixth weeks of classes . . . . . 60% charged
- During seventh and eighth weeks of classes . . . . . 80% charged
- Thereafter . . . . . 100% charged

A prorata charge for tuition, room, and board will be made to students who withdraw upon advice from the college physician.

Revised charges for students withdrawing from college will be paid from the following sources in this order: (1) from payments made by the student or the student's parents, (2) from outside scholarships and loans, if any, (3) from Colby loans and National Direct Student Loans, if any, (4) from Colby financial aid, if any. Any Colby aid not needed to cover revised charges will be removed from the student's account and not refunded.

Refunds of federally insured loans and Basic Educational Opportunity Grants are made in accordance with government regulations.

Whenever a student is required to withdraw because of unsatisfactory conduct, no refund will be made.

No refunds will be made to withdrawing students until the withdrawal process is completed.

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OVERPAYMENTS

Credit balances on semester statements are ordinarily carried forward to the student's account for the following semester. After semester statements have been issued, requests for re-

fund of credit balances will be honored promptly. Participants in tuition payment plans may make special arrangements for earlier refund at the business office. Credit balances on the accounts of graduating seniors will be refunded automatically.

Refund is made directly to a student only upon written authorization directed through the mails to the business office by the person responsible for payment of the account.

Information concerning the status of a student's account may be obtained from the business office upon request.

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#### FINANCIAL AID

Colby awards over two million dollars annually in scholarship grants, loans, and campus employment to students having financial need. A member institution of the College Scholarship Service, Princeton, New Jersey, Colby requires each financial aid applicant to submit a Financial Aid Form, the analysis of which determines student need within the context of the college's financial aid policy and schedule of student fees. Most accredited colleges and universities utilize the College Scholarship Service method of need analysis. Accordingly, the amount of expected parental contribution does not vary appreciably among colleges. The college also collects certified copies of the most recent IRS tax form 1040 or 1040A for use in the routine verification of income information.

The primary responsibility for financing a college education rests with the family of the student. Assistance is extended by the college to augment family resources and ease the burden of the needy student. Because of fund limitations and Colby's commitment to meet the need of upperclass students, it may not be possible to extend offers of financial aid to all entering needy freshmen.

Colby's financial aid policy is determined by the financial aid committee of the college. The committee selects freshman aid recipients on the basis of need and academic and personal potential. Financial aid is renewable and may increase or decrease each year, depending upon continuing financial need and available institutional and federal resources. To receive assistance, applications and tax forms must be submitted each year on or before published deadlines. Failure to apply early may result in the college's inability to aid a student.

Students who are not awarded aid as freshmen should not assume that they will be aided during their upperclass years. While the college attempts to assist students with need, fund limitations may preclude those not initially awarded aid.

To apply for institutional financial aid, a student must be enrolled full-time and, in the upperclass years, be making satisfactory progress. To apply for federal assistance, a student must be enrolled on at least a half-time basis. The college will not extend financial assistance in any form for more than eight semesters. No applicant is denied aid on the basis of race, religion, national or ethnic origin, sex, or handicap. An applicant must first be admitted before his/her financial aid application is considered, and freshman applicants should apply for aid well before April 15.

Colby currently has no minimum grade point average as a requirement for continued assistance. This policy and all other financial aid policies are subject to change. All family financial information is held in strictest confidence.

Financial aid at Colby, as at most colleges and universities, combines gift scholarship, loan, and job. Loans and jobs are termed "self-help."

**GIFT SCHOLARSHIPS** Gift scholarships, in the form of grants, total over \$1,500,000 and are derived from endowment income, gifts made possible by the generosity of alumni, trustees, friends, and foundations, as well as current income and federal government Supplemental Educational Opportunity Grants. (Only Kling scholarships for male descendants of Colonial America require special application beyond the Financial Aid Form, although Kling applicants must qualify on the basis of need, as well as verifiable ancestry.)

**BASIC GRANTS (BEOG)** Students applying for financial aid are required to apply for a federal Basic Educational Opportunity Grant by checking box 83 on the 1979-80 Financial Aid Form. Application for a Basic Grant is free. If a student is eligible, the Basic Grant will be used as the foundation of any financial aid awarded by Colby.

**STATE SCHOLARSHIPS** Candidates for financial aid are required to apply for assistance through the State Scholarship program in their state of resi-

dence. State Scholarship money is part of the financial aid award from the college, and, if received late, will be substituted for previously awarded Colby aid.

**TRAVEL ASSISTANCE** Travel assistance is awarded to financial aid recipients. It is credited directly to the student's account and may not be disbursed as cash unless a surplus remains in the student's account after all college bills are paid. Travel assistance is intended to release family funds normally allocated for college expenses, making those funds available for student travel.

**SELF-HELP, CAMPUS EMPLOYMENT** Self-help consists of low-interest student loans and/or college work-study opportunities. Current financial aid policy describes freshman self-help as the first \$1,100 of total need. For upperclassmen, self-help increases as financial need increases, up to a maximum of \$1,750. Financial need of \$1,300 is required for Colby grant eligibility.

Financial aid recipients with larger self-help responsibility are offered one of 340 campus jobs assigned through the financial aid office. Campus student-work positions do not exceed ten hours per week and are governed by available hours in the employing department and the student's academic schedule. Freshmen are not offered campus jobs at any time during the freshman year. The freshman self-help requirement is kept low to reduce the need for a job, thus permitting more time for study and adjustment to college life. Freshmen receive additional grant aid to meet full need. While a student may earn up to \$700 per year, the average is usually about \$550.

**SUMMER COLLEGE WORK-STUDY PROGRAM** As part of its student work opportunities, Colby administers a limited Summer College Work-Study Program with funds appropriated by the federal government. Pay for the off-campus work-study jobs varies according to the skill and experience of the employee but is never less than the legal minimum wage.

**SUMMER SAVINGS** Savings from summer employment are considered to be part of the annually evaluated family contribution. Students are expected to make every reasonable effort to secure summer employment for the purpose of defraying college costs. The following savings are expected: prefreshmen, \$700; sophomores, \$800; juniors and seniors, \$850. Unless extenuating cir-

cumstances exist, the college will not adjust financial aid awards for shortfalls in student summer savings.

**LOANS** Loans are becoming a significant part of educational financing. Most financial aid recipients will need to borrow under one of several generous loan programs.

Many states administer guaranteed loans for students. Application is normally made through a bank in the state of residence. Guaranteed Student Loans, which are insured against default and bear seven percent simple interest, have lenient repayment schedules, beginning nine months after termination of enrollment. Interest is paid by the federal government until repayment begins.

National Direct Student Loans, administered by the financial aid office, to help students with a greater degree of financial need. NDSL loans accrue three percent simple interest and have many of the same repayment features as Guaranteed Student Loans. Repayment is deferred while the student is a full-time undergraduate or graduate student. No interest is charged until nine months after termination of enrollment.

The college also administers a limited Colby Student Loan Program, designed to assist students with unusual circumstances.

Students are encouraged to undertake all borrowing from a *single* loan source to avoid complicating their repayment requirements after graduation. Questions on this or any other loan program should be directed to the financial aid office.

Failure to remit payments on educational loans administered by the college may result in the suspension of administrative services by the college, including release of transcripts, recommendations, or other information not excluded by law.

**APPLICATIONS** Applicants for admission and financial aid should arrange to have a completed Financial Aid Form (obtainable at most high school guidance offices) mailed to the College Scholarship Service, Princeton, New Jersey, by February 1 of the academic year preceding admission. Students applying for early decision and financial aid should have their Financial Aid Form filed as early as possible in the fall of the academic year preceding admission but not later than January 15. Upperclass students file the Financial Aid Form annually in February.



Students applying for Colby financial assistance should request the pamphlet *Student Financial Aid at Colby College, 1979-1980*. In compliance with section 493A of the Higher Education Act of 1965, as amended, Colby College will forward information dealing with program eligibility and selection criteria, loan information, and employment guidelines, if requested.

Students and parents are encouraged to contact the financial aid office at any time with questions.

# Campus Life

## RELIGION

Colby College was founded by New England Baptists, and although it does not now maintain a formal relationship with any denomination, the college supports and encourages an ecumenical ministry on the campus.

The college chaplain acts as coordinator for the activities of a number of religious associations: Newman Club (Catholic), Hillel (Jewish), Canterbury Club (Episcopal), and Colby Christian Fellowship (Evangelical Protestant). All of these groups use the sanctuary and social lounge of Lorimer Chapel. An interfaith committee organizes services and activities for Catholic and Protestant students. The Roman Catholic diocese of Portland provides the services of a chaplain for Catholic students, and the local rabbi and the rector of the Episcopal parish also carry on a campus ministry.

Each Sunday morning a student group, under the direction of the college chaplain, conducts an all-college worship service in the chapel. Music for this service and for special concerts is performed by the students of the chapel choir under the leadership of Adel Heinrich, associate professor of music.

The director of student activities sponsors a student volunteer corps whose members give time each week to work as Big Brothers and Big Sisters with children in Waterville and neighboring communities.

Many Colby graduates have entered the ministry, and the list of missionaries is especially impressive. The missionary tablet in the Rose Chapel testifies to the participation of Colby men and women in home and foreign missions for more than a century and a half.

## LECTURES

Throughout the year, outstanding scholars, musicians, and artists visit the campus. The Winthrop H. Smith Visiting Scholars Program brings a speaker for two days to lecture, to talk in classes, and to meet informally with students and faculty. The Spencer Lecture, established in 1973, focuses on topics relating to world unity. The Clara M. Southworth Lecture considers subjects in environmental design. The Guy P. Gannett Lectures focus on general subject areas not covered by other established lectures at the college. The annual Samuel and Esther Lipman Lectureship is devoted to Jewish studies and contemporary Jewish thought. The Lovejoy Convocation

annually honors a member of the newspaper profession "who has contributed to the nation's journalistic achievement." In addition to these established lectures, speakers are invited by the Friends of Art at Colby, by student organizations, and by learned societies.

Annual lectures and lecturers in 1978-79 were the Dana-Bixler Convocation: Jean Bundy, Dana Professor of French Literature, Colby; Lovejoy Convocation: Clayton Kirkpatrick, editor, *Chicago Tribune*; Jack C. Landau, director, The Reporters Committee for Freedom of the Press; Spencer Lecture on World Unity: Leo Gross, professor-emeritus of international law, The Fletcher School of Law and Diplomacy, Tufts University; Phi Beta Kappa Visiting Scholar: Susanne Rudolph, chairman, political science department, University of Chicago; Clara M. Southworth Lecture: Athena Tacha, professor of art, Oberlin College; Grossman Lecture: Jan Hogendorn, The Grossman Professor of Economics, Colby; Winthrop H. Smith Visiting Scholars: Winthrop Wetherbee, Senior Fellow, The Society for the Humanities, Cornell University, and Herbert Gottfried, chairman, department of art, Oklahoma State University.

Gannett Lecturers were William Banner, professor of philosophy, Howard University; Christoph Wolff, professor of music, Harvard University; Peter Hart, political pollster and Woodrow Wilson Visiting Fellow. Gannett Lecturers in Symposium on "Europe in Conflict" were Roger D. Cans, reporter for the French publication, *Le Monde*; Carmen Llorca, Spanish historian; Iring Fetscher, German political scientist.

Other lecturers were Ronald Sutherland, professor of English, Université de Sherbrooke; Evsey Domar, professor of economics, Massachusetts Institute of Technology; Eugene P. Wigner, professor-emeritus of physics, Princeton University, and Nobel Laureate, 1963; Irene Simoneau, Franco-American historian; Jacques Allard, professor of French literature, University of Quebec at Montreal; Kate McQueen, Maine feminist; Sister Lucy Poulin, founder of H.O.M.E.; Edwin Meadows, environmental coordinator, Seven Islands Land Company; Max Dorsinville, director, French-Canadian Studies Center, McGill University; Elizabeth Habecker, Episcopal priest; Ruth Pierce, professor of Russian, Bryn Mawr

College; Ernestine Stodelle, dance critic; David Manning White, author; John Simon, film critic for *New York* magazine; Frank Capra, Academy Award-winning director; Haven Whiteside, member of the U.S. Senate Committee on Environment and Public Works; Clark FitzGerald, sculptor; Hilma Wolitzer, author; Thomas Parker, author; Deli Sacilotto, visiting artist; Roy Moor, director of economic research, vice-president, Becker Securities Corporation; Christopher Lasch, professor of history, University of Rochester; Thomas Havens, professor of history, Connecticut College.

Poets were Gwendolyn Brooks, Kathleen Fraser, John Gardner, Michael Harper, John Irving, Bernard Kaplan, Stanley Plumly, Mark Strand.

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MUSIC

Musical activities converge in the Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium and a new electronic music center, opened in 1978. Facilities for musical theater and opera are provided in the Performing Arts Center, while the Alma Morrissette McPartland Music Shell permits the adaptation of Wadsworth Gymnasium for large-scale choral and orchestral concerts. The Gould Music Shell, placed in a natural bowl on the northeast corner of the campus, is available for summer concerts.

Students are invited to participate (with or without academic credit) in the Colby Band, the Colby Community Symphony Orchestra, the Colby Glee Club, and the Lorimer Chapel Choir, all under faculty direction.

The Colby Trio, a professional chamber ensemble sponsored by the college, presents concerts on and off campus. There are also informal student groups: the Colby Eight, the Colbyettes, and others. A student chapter of the American Guild of Organists was formed in 1972.

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Music Associates, a student-college-community group, which arranges the Colby Music Series and contributes to musical life on the campus. In 1978-79 the series included performances by the Scottish Baroque Ensemble, the Empire Brass

Quintet, Sharon Isbin (classical guitarist), and an evening with P.D.Q. Bach.

Among other programs were concerts by Ron Hudson (classical guitarist), William Tortolano (organist), Earl "Fatha" Hines and his band, Willie Tyson, and Leo Kotke and Tom Rush. A semester-long festival of the music of Johann Sebastian Bach included complete performances of the St. Matthew Passion, the Art of Fugue, and other major works, in celebration of the 250th anniversary of the St. Matthew Passion. The Sunday Chapel Vesper Concerts offered recitals on the Walcker organ in Lorimer Chapel by the college organist and visiting artists. Concerts were given by college musical organizations, faculty, and students at Friday Noonday Recitals and on other occasions.

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#### ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions of works selected from the permanent collection, as well as original and traveling shows, are to be seen in the Jetté Galleries of the Colby Museum of Art. The permanent collection features American and European painting, sculpture, and graphic art. Special collections are the Harold Trowbridge Pulsifer Collection of Winslow Homer Paintings and Drawings, the American Heritage Collection and the American Painters of the Impressionist Period Collection of Edith Kemper Jetté and Ellerton Marcel Jetté, the Helen Warren and Willard Howe Cummings Collection of American Art, the John Marin Collection, the Adelaide Pearson Collection, the Bernat Collection of Oriental Ceramics and Bronzes, the Langenbach-Pepper Collection of Watercolors by Charles Hovey Pepper, the Weiss Collection of Jack Levine Graphics, and the William J. Pollock Collection of American Indian Rugs and Jewelry (Navaho and Zuni).

The 1978 exhibitions were the annual *Student Arts Festival*; *Drawings from Maine Collections*, which included drawings from both public and private collections in the state and which was organized by the museum in collaboration with an art department seminar; *Photographs from the Collection of Norma Boom Marin*, including work by photographers such as Ansel Adams, Imogen Cunningham, Walker Evans, Arnold

Newman, and Edward Weston; *The A. A. D'Amico Print Collection*, featuring fifty twentieth-century American and European etchings and lithographs given to the museum by Mr. and Mrs. A. A. D'Amico; *Mica Paintings by Mildred Burrage*, abstract compositions in which the artist incorporated Maine mica; *Milton Avery, American, 1893-1965*, including paintings done by Avery between 1942 and 1960; *Berenice Abbott Photographs*, containing portraits, views of New York, and scientific studies by this internationally known photographer. Throughout the year, selections from the museum's permanent collection were on view concurrently with the loan exhibitions.

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year.

The Archives of Maine Art, located at the Bixler Center, is a repository of information and documents about artists in Maine from the eighteenth century to the present.

In addition to the studio courses in the regular curriculum, workshops are maintained for extracurricular activities in ceramics, typography, weaving, and bookbinding. The Russell S. Hitchcock Bindery is equipped with tools, type, and presses for teaching the fundamental procedures of bookbinding.

In September 1973 a wing to the Bixler Center was opened. Built in response to the growing interest in art and music among students, alumni, and Friends of Art, it contains painting and sculpture studios and gallery space for exhibitions in the Museum of Art. Expansion into the wing made possible enlarged classrooms for art and music, and a library shared by both departments.

## DANCE

Dance facilities are provided in Dunn Studio of the Performing Arts Center. Guest artists during the 1978-79 season were the Ram Island Dance Co.; Ernestine Stodelle, lecturer, critic, and former dancer with Doris Humphrey; the Pauline Koner Dance Consort (in residence for a week under the tri-sponsorship of the Colby/Bates/Bowdoin Dance Alliance); and a performance by the Boston Ballet Company.

In addition to participation in workshops (Tharp technique) conducted by guest teachers, the Colby Dancers maintained a

vigorous rehearsal schedule in conjunction with their fall and spring concerts.

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PERFORMING ARTS

In addition to the courses in dramatic literature offered by the departments of classics, English, and modern languages, Colby provides courses and opportunities for practical experience in all the areas of theatrical production, as well as dance and music. The Strider Theater and the Dunn Dance Studio serve as laboratories for the arts and as performance centers.

The Strider Theater has a full stage, shop, makeup rooms, and rehearsal space. Light and sound booths over the balcony command a full view of the stage.

Under the auspices of the performing arts program, productions, with faculty supervision, are presented. The 1978-79 season offered *Columbus*, *Warm Angel*, *A Midsummer Night's Dream*, and *The Seagull*.

Dance concerts were given by Colby students and visiting artists.

The student-directed drama club, Powder and Wig, present a variety of productions. In 1978-79 these included *Kennedy's Children*, *Our Town*, *L'Avare*, *Odds 'n Ends* (a program of Samuel Beckett one-act plays), and a one-act play festival: *Play* by Valentine Talland '81, *Trifles*, *Many Moons*, and *Albert's Bridge*.

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SPEECH AND DEBATE

A tradition of public speaking has resulted in the endowment of awards for oratory, public reading, and debate. Supplementing the course offerings in public speaking and oral interpretation, prizes are awarded annually in all the areas of the forensic arts. The program in debate places emphasis on current topics in on-campus competition.

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FILMS

Film Direction brings films of high quality in various film genres. In addition, there are movies shown by the Student Association and films brought by other student organizations and departments.

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RADIO COLBY

WMHB-FM is a student-operated station with a Class D non-commercial license from the Federal Communications Com-

mission. With studios in Roberts Union, the station broadcasts throughout the day and evening.

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#### FRATERNITIES AND SORORITIES

There are chapters of nine fraternities and two national sororities. Eight of the fraternities occupy separate houses on the campus, controlled by the administration and their prudential committees.

In order of founding, the fraternities are Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Lambda Chi Alpha, Kappa Delta Rho, Tau Delta Phi, and Pi Lambda Phi. The sororities, Sigma Kappa (founded at Colby) and Chi Omega, maintain chapter rooms in Runnals Union.

The board of trustees requires that fraternities and sororities select members without regard to race, religion, or national origin. Hazing of any kind is prohibited.

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#### STUDENT ORGANIZATIONS

More than fifty student organizations are chartered by the college. Academic societies are Sigma Delta Pi (Spanish honor society), Chi Epsilon Mu (chemistry), Delta Phi Alpha (German), and Pi Sigma Alpha (political science). Student publications include the weekly newspaper, *The Colby Echo*; the yearbook, *The Oracle*; as well as occasional journals devoted to art, literature, and photography.

Service organizations are the Big Brother/Big Sister Program and Colby Friends.

Other groups include the Colby Outdoor Orientation Trips, Colby Photographers, Dance Group, Deutschklub, Environmental Council, French Club, International Relations Club, Karate Club, Los Subrosa (Spanish club), Interfraternity Council, Panhellenic Council, Outing Club, Rugby Club, Student Organization for Black and Hispanic Unity, Women's Organization, Yachting Council, Chemistry Club, Psychology Club, Asian Cultural Society, Folkdance Association, New World Coalition, Bicycle Club, Women's Gymnastics, Film Direction, Pottery Club, Powder and Wig, Russian Club, and Radio Colby.

Religious organizations are the Canterbury Club, Chapel Service Committee, Colby Christian Fellowship, Hillel, and Newman Club.



Music organizations are the American Guild of Organists, Band, Colby Eight, Colbyettes, Colby Community Symphony Orchestra, Glee Club, Lorimer Chapel Choir, and Messalonskee Folk Music and Chowder Society.

There are other clubs and societies described under appropriate catalogue headings. In addition, each class acts as an organization, with elected officials. All organizations and clubs, and many of the campus activities, including film, lecture, and concert series, are funded through the Student Association. In addition, students are appointed by the Student Association to serve on college committees.

# General Regulations

All students are responsible for knowledge of the regulations in the *Student Handbook* and in the annual catalogue. The handbook covers academic, administrative, and social regulations.

The college reserves the right to dismiss any student whose presence its officers believe to be detrimental to its general welfare.

Although authority regarding discipline is the ultimate responsibility of the dean of students, most cases requiring discipline of students are turned over by him to the proper judicial board. A student judiciary board consisting of twelve members assists in the enforcement of nonacademic rules and regulations of the college. A student may appeal a finding of the student judiciary board to a faculty appeals board, which also hears appeals stemming from disciplinary action for academic infractions.

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## ATTENDANCE

Students are expected to attend classes regularly and are held responsible for all work done in any class from which they are absent. Each student is, however, permitted at least two unexcused absences from each course in any semester. The maximum number allowed, if beyond two, is determined by individual instructors. Each instructor explains at the first meeting of every semester what constitutes unsatisfactory attendance in his class. Any student whose attendance the instructor judges to be unsatisfactory is warned by the dean of students. Flagrant repetitions may lead to dismissal from the course without credit. For abandoning a course without permission, the student shall receive an *F*.

Official excuses for absence are granted only by the deans of students, and only for (1) critical emergencies, (2) athletic or other organizational trips, or (3) illness certified by the college physician or his authorized representative.

Medical excuses are issued only to students who fall within one of three classifications: (1) those confined to the college infirmary or hospital because of illness or surgery, (2) students treated by the medical staff at the infirmary or hospital, (3) students visited by the college physician in dormitories or other places of residence. Medical excuses are not granted

on a retroactive basis unless one of these classifications is satisfied.

All excuses from hour exams must come from the infirmary or, in cases of critical emergency, from the deans of students.

No student on academic probation may be excused from any class because of extracurricular or athletic activities.

#### BEHAVIOR

The administrative officers of the college have a responsibility for maintaining and encouraging an atmosphere on campus consonant with the college's function as a community of students and teachers.

The trustees have delegated to various sectors of the college, including the Student Association, extensive autonomy in the conduct of student affairs. Colby College assumes that those who accept admission to the student body are able and willing to conduct themselves with the maturity consistent with this responsibility. Each student retains the right to organize his own personal life and behavior within the standards agreed upon by the college community, so long as he does not interfere with the rights of others or with the educational process.

The college respects the laws and ordinances of the civil jurisdictions within which it lies. It does not stand in loco parentis for its students, nor is the campus to be considered a sanctuary from civil law.

The college has always encouraged temperance in the use of alcoholic beverages. The laws of the State of Maine forbid possession of alcoholic beverages by any person under the age of twenty. Where drinking leads to disruptive behavior, a student faces sanctions.

The college does not tolerate violations of federal or state drug laws. Such violations may result in dismissal.

#### ACADEMIC HONESTY

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. Students are subject to suspension from the college whenever they are found guilty of academic dishonesty. A student is entitled to appeal charges

of academic dishonesty to the faculty appeals board, which shall recommend action to the president of the college.

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#### HEALTH POLICY

Physicians in the Colby College health services treat students on the same basis as community physicians treat the patients under their care.

The college feels that the best interests of students are served by having full medical counseling and treatment from physicians thoroughly informed about personal medical history.

The college respects the rights of these physicians to use their professional judgment in meeting the health needs of students.

Upon recommendation of the college physician, the college reserves the right to require a student to withdraw for medical reasons. If, in the doctor's opinion, a student becomes unable to carry on normal student functions, or when his presence is or may become a hazard to himself or others, withdrawal will be required. Following any medical withdrawal, recommendations from an attending physician may be required before the student is readmitted to the college.

The officers, faculty, and medical staff of the college reserve the right to refuse to divulge information regarding a student's psychological or psychiatric condition or matters of an intimate nature without the student's authorization.

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#### SPECIAL DIETS

Arrangements are made for special diets at the request of the college physician. A meatless substitute is provided at all meals.

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#### AUTOMOBILES

For a number of reasons, including the desire to preserve the natural quality of the campus environment, parking lots are limited in number and size. Having a car at Colby therefore has its inconveniences as well as conveniences.

Students, faculty, and staff are assigned lots according to their place of residence or work, and are discouraged from using their cars simply to move about campus.

The annual registration fee for a car is \$20. An adjustment is made in the financial aid package of aid recipients who choose to register a car on campus.

Details of rules relating to the use of motor vehicles may be found in the *Student Handbook*.

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**HOUSING AND STUDENT LIVING** Students are housed in twenty-six living units: eighteen college residences (some of them coeducational) and eight fraternity houses. All freshmen not living at home or with relatives are required to live in college housing as assigned by the dean of students office. Individual dormitories have broad social autonomy, including control over such matters as parietal hours and quiet hours. These regulations are reviewed by each residence unit in the fall. The college has charge of the maintenance and security of its buildings.

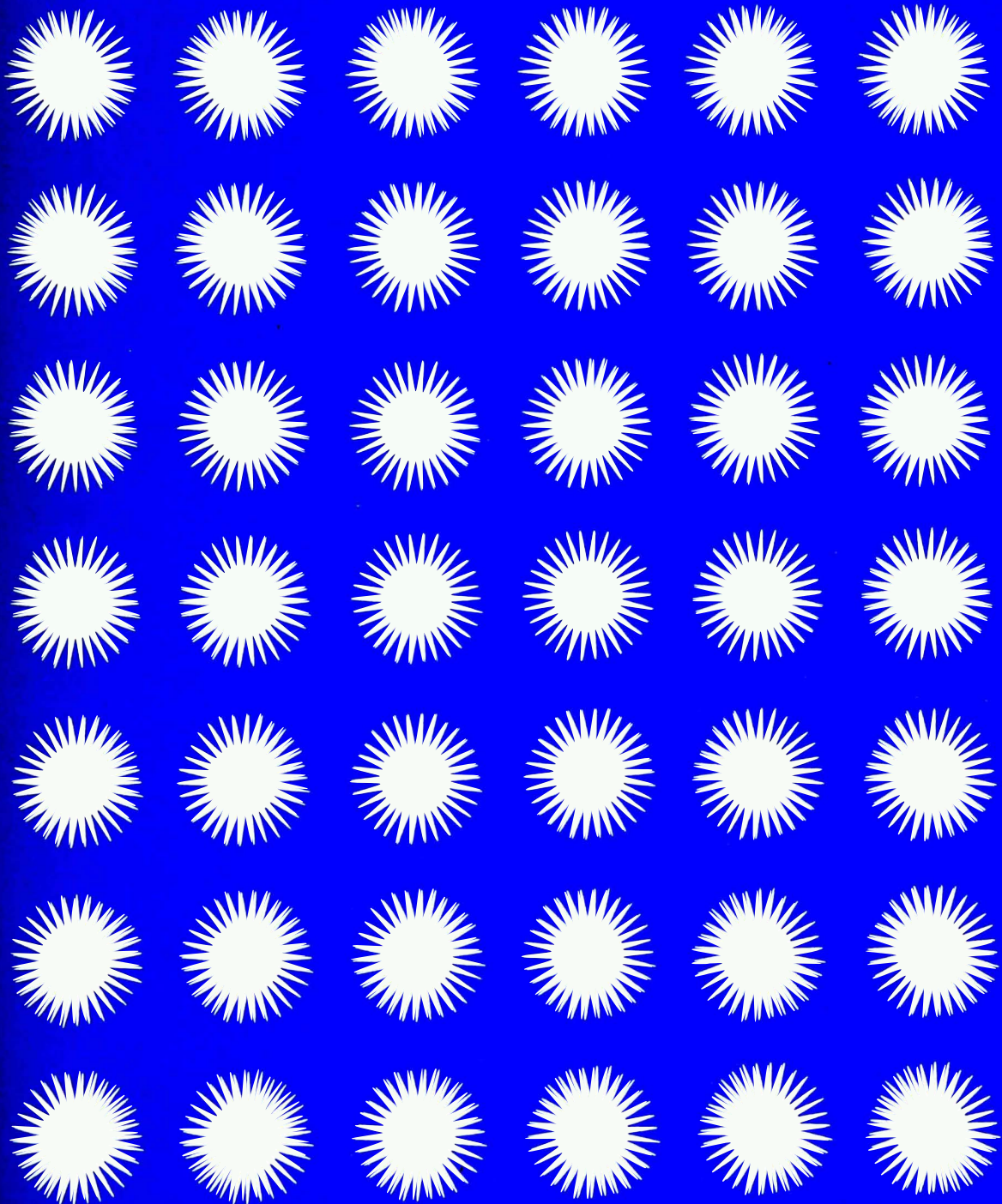
In special circumstances, limited numbers of upperclass students are permitted to live off campus, with permission from the dean of students.

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**STUDENT RECORDS** Colby complies with the Family Educational Rights and Privacy Act of 1974, which establishes the right of students to inspect and review their education records and provides guidelines for the correction of inaccurate or misleading data. Complete guidelines used by the college for compliance with the act are printed in the *Student Handbook* and may be obtained at the dean of students office.

# II

# Divisions, Departments, and Courses of Study



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# Divisions, Departments, and Courses of Study

Descriptions of major programs can be found as follows: (1) *departmental*, with the appropriate department; (2) *those combining two departments*, with the division of the first-named department; (3) *interdivisional*, in section on interdisciplinary studies; (4) *independent*, in section on the academic program.

Courses are offered within four divisions:

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DIVISION OF  
HUMANITIES

Courses in the departments of *Art*; *Classics*, including classics in English translation, Greek, and Latin; *English*; *Modern Foreign Languages*, including Chinese, French, German, Italian, Japanese, Linguistics, Portuguese, Russian, and Spanish; and *Music*.

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DIVISION OF  
SOCIAL SCIENCES

Divisional courses in *Education* and courses in the departments of *Administrative Science*; *Economics*; *Government*; *History*; *Philosophy and Religion*; *Psychology*; and *Sociology*.

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DIVISION OF  
NATURAL SCIENCES

Courses in the departments of *Biology*; *Chemistry*; *Geology*; *Mathematics*; and *Physics and Astronomy*.

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DIVISION OF  
PHYSICAL EDUCATION  
AND ATHLETICS

Courses in *Physical Education*.

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In the departmental statements following, members of the active faculty for the academic year 1978-79 are listed.



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## Division of Humanities

*Chairman*, PROFESSOR HOLLAND

### INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in classics-English and classics-philosophy. Attention is also called to interdisciplinary majors in American studies, East Asian studies, and studies in western civilization.

*Requirements for the major in classics-English:*

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek.

In English: six semester courses approved by the departments.

*Requirements for the major in classics-philosophy:*

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek, subject to departmental approval.

In philosophy: Philosophy 112; 133 or 211; 331, 332; 491 or 492.

For each of the above majors, at least one independent January program is required to be taken in the major during the junior or senior year. For the major in classics-philosophy, a second Independent Study 491 or 492, of at least three hours credit, may be substituted for this requirement but cannot be used to satisfy course requirements for the major.

The point scale for retention of each of the above majors applies to all courses that may be credited toward the major. No requirement for the major may be taken pass/fail.

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### ART

*Chairman*, PROFESSOR CARPENTER

*Professors Carpenter and W. Miller; Associate Professor Matthews; Assistant Professors Kassel and M. Miller<sup>1</sup>; Lecturer Fuller.*

*Requirements for the major in art:*

Art 121, 122, 161; at least nine credit hours chosen from 177, 178, 271, 275, 276, 277, 278, 311, 312, 314, 316, 317, 352, 356, 358; additional courses in art to bring the total to 29 semester hours; at least six semester hours chosen from other fields of study related to the individual student's interests within the major (e.g., history, philosophy, music, English). These courses should be selected with the advice and approval of the student's adviser in the sophomore or junior year.

At least one January program is required to be taken in art, either as a group or an individual topic.

The point scale for retention of the major applies to courses taken

in the department. No requirement for the major may be taken pass/fail. A departmental examination is to be passed in the senior year.

Attention is called to the interdisciplinary major in American studies and studies in western civilization.

<sup>1</sup>Part-time.

## CLASSICS

*Chairman*, PROFESSOR WESTERVELT

*Professor Westervelt; Associate Professor D. Koonce; C. Dadian, Taylor Lecturer.*

*Requirements for the major in classics:*

Two courses numbered 200 or higher in Greek or Latin. Six additional courses selected from at least two of the following categories: two or more courses numbered 300 or higher in the ancient language elected above; two or more courses in ancient history; two or more courses numbered 200 or higher in the other ancient language; two or more courses elected from Classics 232, Classics 234, Art 311, Philosophy 331, or the equivalent.

Attention is called to interdepartmental majors in classics-English and classics-philosophy, and to the interdisciplinary major in studies in western civilization.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in the department. No requirement for the major may be taken pass/fail.

## ENGLISH

*Chairman*, PROFESSOR ARCHIBALD

*Professors Strider, Benbow<sup>1</sup>, Sutherland, Archibald, Curran<sup>2</sup>, MacKay, and Suss; Associate Professors Witham, Brancaccio, H. Koonce, Sweney, C. W. Bassett, E. Kenney, and Mizner; Assistant Professors S. Kenney<sup>3</sup>, P. Harris, Mannocchi, Sadoff, and N. Harris; Lecturers Onion<sup>3</sup>, Sewell, D. C. Walker<sup>4</sup>, Sanborn<sup>4</sup>, Neinstein<sup>4</sup>, and Star<sup>3</sup>.*

*Requirements for the major in English and American literature:*

English 221, 222, 251, and eight courses numbered 300 or higher excluding English 315, 316; English 252 may be substituted for one of the eight. At least three of these must be courses in which the major focus is upon literature written before 1800, and at least three must be courses in which the major focus is upon literature written after 1800.

At least one January program must be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements. No requirement for the major may be taken pass/fail.

Students planning to continue the study of English in graduate school should confer with their advisers to be sure that they have planned a substantial and adequate curriculum. They should be proficient in at least one foreign language. Most universities require two languages, and some require a classical language as well. Work in classical or foreign literature, history, philosophy, art, music, and some of the social sciences reinforces preparation in the major and enhances one's chances of success in graduate study.

The department encourages interdepartmental and interdisciplinary studies, and supports programs in American studies, Black studies, performing arts, and studies in western civilization.

<sup>1</sup>On leave full year.

<sup>2</sup>On leave second semester.

<sup>3</sup>Part-time.

<sup>4</sup>Part-time second semester.

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MODERN FOREIGN LANGUAGES

*Chairman*, PROFESSOR HOLLAND

*Professors Bundy, Holland, and Cauz; Associate Professors Kueter, Filosof, Ferguson, and P. Doel; Assistant Professors Weiss, Sherard<sup>1</sup>, McIntyre, Oudin, Reiter, Ramirez, Cannon-Geary<sup>2</sup>, Greenspan, F. Miller, Reynolds<sup>3</sup>, Shaw, and So; Instructor Plasencia; Lecturer B. Nelson<sup>4</sup>.*

*Achievement test:* If a student offers a foreign language for entrance credit and wishes to continue it in college, he must either have taken the CEEB achievement test in the language or take the placement test during freshman orientation.

*Note:* In addition to the following major programs, the department also offers instruction in Chinese, Italian, Japanese, Portuguese, and Russian.

The following statements apply to the majors in French, German, and Spanish:

- (1) The point scale for retention of any major within the department is based on courses in the major language only.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (4) All majors in the department, including students returning from foreign study, must take at least one course in the major, approved by the major adviser, each semester until graduation.
- (5) Courses numbered 499 may not be counted toward the major.

(6) One January program is required to be taken in the major.

*Requirements for the major in French:*

*French 231 and at least seven additional semester French courses numbered above 142, of which at least two courses must be at the 300 or 400 level in the senior year.*

*Requirements for the major in German:*

Eight semester courses numbered above German 124.

*Requirements for the major in Spanish:*

Spanish 232 and at least seven additional semester Spanish courses numbered above 128.

Students interested in Russian are invited to consider an independent major (q.v.), combining their study of Russian with another area of concentration (any language or literature, art, economics, history, music, philosophy, sociology). Such students are encouraged to take advantage of various summer programs offered domestically and in the Soviet Union, and to compete for a place in a semester language program in Leningrad or Moscow.

*Teacher certification:* Students desiring certification for teaching any of the above languages must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

<sup>1</sup>On leave full year.

<sup>2</sup>First semester only.

<sup>3</sup>Second semester only.

<sup>4</sup>Part-time.

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MUSIC

*Chairman, PROFESSOR ARMSTRONG*

*Professors Ré and Armstrong; Associate Professors Heinrich and D. Reuman<sup>1</sup>; Assistant Professor Machlin.*

*Requirements for the major in music:*

Music 171, 172, 211, 216, 217, 271; at least nine additional basic credit hours in music courses, of which at least three hours must be in courses numbered 400 or higher. Majors are urged to complete Music 172 not later than the end of the sophomore year. Some skill at the keyboard is required of all majors; consult the department. Students wishing to pursue graduate study in musicology are advised that a reading knowledge of French and German is a general requirement for such study.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in music history and theory. No requirement for the major may be taken pass/fail.

Attention is called to the interdisciplinary majors in American studies and studies in western civilization, and to the program in performing arts.

<sup>1</sup>Part-time.

## Division of Social Sciences

*Chairman*, PROFESSOR GEMERY

### INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics. Attention is called also to interdisciplinary majors in American studies, East Asian studies, studies in human development, and studies in western civilization.

*Requirements for the major in administrative science-mathematics:*

In administrative science: 221, 222, 321, 322, 352, 413, 494; and Economics 131, 132.

In mathematics: at least 18 credit hours, including 221, 222; either 241, 242 or 381, 382; at least six hours must be at the 300 or 400 level.

Sociology 121, 122 and two courses in psychology are recommended but not required.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department.

*Requirements for the major in economics-mathematics:*

In economics: 131, 132, 233, 234, 291, 394, and three additional semester courses numbered 300 or higher. Also required is a satisfactory percentile rating in the graduate record examination in economics, given in the spring of the senior year.

In mathematics: 221, 222, 381, 382, and two additional courses numbered 300 or higher.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department.

*Requirements for the major in philosophy-mathematics:*

In philosophy: 112 and either 133 or 211; 258, 331, 332; and one further course in the department.

In mathematics: at least 18 credit hours, including 221, 222, 361.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department. Philosophy 491 or 492, of at least three hours credit, may with approval be substituted for a January program but cannot also be used to satisfy course requirements for the major.

*Requirements for the major in psychology-mathematics:*

In psychology: 111, 371, 479, and nine additional hours, to include at least two of the following courses: 231, 232, 272, 273, 274.

In mathematics: 241, 242 or 381, 382; at least 12 additional credit hours, of which six must be at the 300 or 400 level.

At least one independent January program is required to be taken in the major during the junior or senior year. At least one junior or senior January program must be approved by the mathematics department.

The point scale for retention of each mathematics combination major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

Students should consult one of the advisers before planning to enter one of these majors and should register for the first course in mathematics in the freshman year.

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*Chairman*, PROFESSOR W. ZUKOWSKI

*Professor W. Zukowski; Associate Professor Knight; Assistant Professors Clarey<sup>1</sup> and Samuel; Lecturers Crocker<sup>2</sup>, Hopengarten<sup>1</sup>, D. A. Walker<sup>3</sup>, and Marden<sup>2</sup>.*

*Requirements for the major in administrative science:*

Administrative Science 221, 222, 321, 322, 413, 494; two semesters of mathematics; Economics 131, 132; two semesters of psychology or Sociology 121, 122 (although only one of the latter two course sequences is required, it is recommended that both be completed); and two semester courses selected from the following: additional courses in administrative science; Mathematics 241, 242, 243, 244; Economics 233, 234.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all administrative science courses taken and to Mathematics 241, 242, 243, 244, and Economics 233, 234, where these courses are used to satisfy major requirements. No requirement for the major may be taken pass/fail.

Students planning graduate work in administration should consult the chairman of the department early in their college career.

Attention is called to the interdepartmental major in administrative science-mathematics.

<sup>1</sup>First semester only.

<sup>2</sup>Part-time second semester only.

<sup>3</sup>Part-time.

## ECONOMICS

*Chairman*, PROFESSOR HOGENDORN

*Professors Pullen, Hogendorn, and Gemery; Associate Professors Meehan and Tietenberg; Assistant Professors Hagens<sup>1</sup> and Dooley; Instructor Christiansen<sup>2</sup>; Lecturers R. Parker<sup>3</sup> and Yalinpala<sup>2</sup>.*

*Requirements for the major in economics:*

Economics 131, 132, 291, and 30 additional credit hours in economics, including Economics 233 (for class of 1980 and subsequent classes) and 234. Also required is a satisfactory percentile rating in the graduate record examination in economics. Administrative Science 221, 222 or 321, 322 and Mathematics 241, 242 or 381, 382 may be substituted for 12 of the 30 credit hours in advanced economics required for the major.

At least one independent January program is required to be taken in the major during the junior or senior year.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 394 and 431. A knowledge of mathematics through calculus and statistics is essential.

The point scale for retention of the major applies only to courses in economics, except that Administrative Science 221, 222 or 321, 322 and Mathematics 241, 242 or 381, 382 will be counted if substituted for courses in advanced economics in fulfilling the major requirement. No requirement for the major may be taken pass/fail.

Attention is called to the interdepartmental major in economics-mathematics, and to the honors program (see description under Economics 491, 492).

<sup>1</sup>On leave full year.

<sup>2</sup>Second semester only.

<sup>3</sup>Part-time first semester only.

## EDUCATION

*Director*, PROFESSOR JACOBSON

*Professor Jacobson; Assistant Professor M. Mavrinc<sup>1</sup>.*

Colby offers an interdepartmental program of courses and field experiences that meets the minimal requirements for secondary-school-teacher certification in the fields of English, social studies, science, mathematics, Latin, American studies, environmental studies, and modern foreign languages. For those students interested

in early-childhood, elementary, special-subject, special-education, or adult-education certification, the sophomore and junior courses may be taken at Colby, and the balance of the program completed elsewhere. For those students who wish to defer their education courses, many graduate schools offer the Master of Arts in Teaching program, which includes a paid teaching internship and regular courses leading to the M.A.T. degree and a teaching certificate in the state.

*Program of studies:*

*Sophomore year:* Education 213 and 253, January program, or 254; Psychology 256. *Junior year:* Philosophy 333; Education 336 and 353, January program, or 354. *Senior year:* Education 431, 432, 453, and full-time teaching during January. (English 411 or Modern Foreign Languages 411 is required of students who desire to teach those subjects.)

Guidance and counseling services are available from Professor Jacobson, Office of Education, 112 Lovejoy Building.

First-semester freshmen and students planning to be away during their junior year should consult Professor Jacobson to plan their education curriculum.

<sup>1</sup>Part-time.

HISTORY AND GOVERNMENT

*Chairman,* PROFESSOR A. MAVRINAC

*Professors A. Mavrinac, Gillum, Raymond, Weissberg<sup>1</sup>, and Berschneider; Assistant Professors Maisel<sup>2</sup>, Hauss, Bowen, Feigon, Mackenzie, and Moss; Instructor Haley; Mr. Cocks<sup>3</sup>.*

The department offers majors both in history and in government.

*Requirements for the major in history:*

(The following requirements apply to the class of 1981 and subsequent classes; earlier classes are governed by catalogue provisions in force upon entering the major.)

Twelve semester courses in history, to include at least one course at the 200 or higher level in each of three major fields: United States history, European (including English) history, and non-Western history. Two of the twelve courses may be in ancient history.

During the senior year, all majors must satisfy a comprehensive requirement either by taking a designated senior seminar or by a satisfactory oral presentation on a topic in the student's field of concentration in history.

Details on the division of courses among the fields and on the comprehensive requirement are available at the department office.

At least one January program must be taken in the major.

The point scale for retention of the major applies to all courses in



history. With the exception of History 111, 112, no requirement for the major may be taken pass/fail.

*Requirements for the major in government:*

Ten semester courses in government, to include at least one at the 400 level. A comprehensive examination is to be passed in the senior year.

The point scale for retention of the major applies to all courses in government. No government courses may be taken pass/fail by government majors.

<sup>1</sup>On leave second semester.

<sup>2</sup>On leave first semester; part-time second semester.

<sup>3</sup>Part-time second semester.

PHILOSOPHY AND RELIGION

*Chairman*, PROFESSOR R. REUMAN

*Professors R. Reuman<sup>1</sup>, Todrank, F. Parker, and Hudson<sup>2</sup>; Associate Professor McArthur<sup>3</sup>; Assistant Professors Thorwaldsen and Longstaff; Instructor LaRusch; Lecturer Crosby<sup>4</sup>.*

*Requirements for the major in philosophy:*

Philosophy 112, 211, 331, 332, 353, and 12 additional hours in philosophy, only six of which may be in 100-level courses.

*Requirements for the major in philosophy and religion:*

Religion 223, 224, 311, 312, 316. Philosophy 112, 211, 331, 332, 372, 373.

*Requirements for the major in religion:*

Religion 121, 122, 223, 224, 311, 312, 316, and two additional courses in religion, at least one of which must be at the 300 level or higher.

While Philosophy 372 and 373 are not required, they are highly recommended and may be used to satisfy the requirement of two additional courses in religion.

For each of the above majors, at least one independent January program is required to be taken in the major during the junior or senior year. Philosophy or Religion 491 or 492, of at least three hours credit, may be substituted for this requirement but cannot also be used to satisfy course requirements for the major.

A maximum of two courses may be taken on a pass/fail basis in partial satisfaction of the requirements of any of the above majors. Effective with the class of 1981, no specifically prescribed course may be taken on a pass/fail basis to satisfy major requirements. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

Attention is called to interdepartmental majors in philosophy-mathematics and classics-philosophy (see list of requirements under

Division of Humanities), and to the interdisciplinary majors in studies in human development and studies in western civilization.

<sup>1</sup>On leave second semester.

<sup>2</sup>Acting chairman second semester.

<sup>3</sup>On leave full year.

<sup>4</sup>Part-time first semester.

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PSYCHOLOGY

*Chairman*, PROFESSOR ROHRMAN

*Professors Gillespie, Jenson, Perez, and Rohrman; Associate Professor Zohner; Assistant Professors Lester, Skowbo, and Yeterian.*

*Requirements for the major in psychology:*

Biology 121, 122; Psychology 111, 214, 479, 494, and 20 additional hours in psychology, to include three courses selected from 231, 232, 236, 272, 273, 371, 374, 432, 472, 473, and three courses selected from 251, 253, 254, 255, 256, 274, 451, 452.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses offered toward the major, as prescribed above. All requirements for the major must be met in conventionally graded courses.

Attention is called to the interdepartmental major in psychology-mathematics and to the interdisciplinary major in studies in human development.

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SOCIOLOGY

*Chairman*, ASSISTANT PROFESSOR MORRIONE

*Professors Birge and Geib; Associate Professor Rosenthal; Assistant Professors R. Doel, Morrione, and Rose.*

*Requirements for the major in sociology:*

Sociology 121, 122, and 24 additional hours in sociology, including Sociology 311 and one course selected from 313, 318, 338; any combination of 12 hours selected from history, government, psychology, and economics. A written or oral comprehensive examination is to be passed by majors who do not take Sociology 401, 402.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in sociology. No requirement for the major may be taken pass/fail.

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## Division of Natural Sciences

*Chairman*, ASSOCIATE PROFESSOR SMALL

### INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in geology-biology and geology-chemistry.

*Requirements for the major in geology-biology:*

In geology: 141, 142; 215, 311; six additional credit hours numbered 200 or higher.

In biology: 121, 122, 271; 12 additional credit hours.

Other courses: Chemistry 141, 142; Mathematics 121 and one additional mathematics course numbered above 121. Physics 121, 122 is recommended.

A comprehensive examination is to be passed in the senior year in either geology or biology.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in geology and biology.

*Requirements for the major in geology-chemistry:*

In geology: beginning in the sophomore year, 215, 241, 242, 381, 382.

In chemistry: 141, 142, 331, 332, 341, 342; Physics 121, 122; Mathematics 121, 122.

Students should consult one of the major advisers regarding election of languages and other required courses in the freshman and sophomore years.

The point scale for retention of the major applies to all courses in geology and chemistry.

*Requirements for the major in physics-mathematics (discontinued effective with the class of 1981):*

In physics: 121, 122, and four additional semester courses as approved. Most physics courses have prerequisites or corequisites in mathematics.

In mathematics: 121, 122, 221, 222, 311, and one additional semester course as approved.

*Note:* If advanced placement or credit is given in either department, additional courses must be selected from that department to a total of 18 credit hours or more.

The point scale for retention of the major applies to all courses in physics and mathematics.

*Chairman*, PROFESSOR BENNETT

*Professors Terry and Bennett; Associate Professors Easton and Fowles; Assistant Professors Champlin, Firmage, Muller, and Cole.*

Two major programs are offered by the department. For each, the point scale for retention of the major applies to all courses required for the major. No requirement for the major may be taken pass/fail.

*Requirements for the basic major in biology:*

Two semesters of mathematics, including 121 (students who enter with Mathematics 121 or equivalent are required to take one semester of mathematics); Chemistry 141, 142; 32 hours in biology, including 121, 122, 271, 272, 301, 302 (substitutions may be made with departmental approval); one additional year of science other than biology. Chemistry 447 or 467 may be credited towards the biology major. The comprehensive examination in the major is to be passed in the senior year.

Biology 121, 122, 271, and 272 constitute a core program and are normally prerequisite to all higher-numbered biology courses. With special permission of the department, a student may arrange to take Biology 271 or 272 and higher-numbered biology courses concurrently.

The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for dental, medical, or veterinary schools should take Mathematics 122, and must take Physics 121, 122, and Organic Chemistry; students preparing for graduate study in the biological sciences should also elect these courses. For most of these students, at least one further course in mathematics should be elected with the advice of the major department. Requirements for the PH.D. degree in areas of biological science may include a reading knowledge of two modern foreign languages.

Students are encouraged to take courses at approved summer laboratories, and such courses may be approved for credit toward the major requirement.

The *environmental science concentration* is designed to provide the student adequate background to work in the environmental field or to continue on to graduate study in environmental science or in one of the biological disciplines. The requirements are: Administrative Science 354 or 413; Biology, 32 hours, including 121, 122, 271, 272, 352, 301, 302, and either 354 or 356; Economics 131 or 132; Chemistry 141, 142; Geology, two courses selected from 141, 142, 172, 292; Mathematics 121 and either 241 or 381; Physics 112 or 121; Independent Study, at least two hours, taken as Biology 483, 484

or Geology 483, 484. The comprehensive examination in biology is to be passed in the senior year.

Students are encouraged to take at least one field-oriented course such as Biology 358, Sea Semester, or other similar approved programs.

Attention is called to the interdepartmental major in geology-biology and the interdisciplinary major in studies in human development.

## CHEMISTRY

*Chairman*, PROFESSOR MACHEMER

*Professor Machemer; Associate Professors Maier and Smith; Assistant Professors Shattuck and Newton.*

The department offers two major programs for the liberal arts student: the basic major and the ACS major (accredited by the American Chemical Society). Both majors involve the same core curriculum, but the basic allows more opportunity for study outside the chemistry department. The ACS major is more sharply focused toward further work in university graduate schools; a student graduating in this program receives official certification from the American Chemical Society.

*Requirements for the basic major in chemistry:*

Chemistry 141, 142, 241, 242, 331, 341, 342; Mathematics 121, 122; Physics 121, 122. Other courses or substitutions should be selected in consultation with the chairman of the chemistry department.

*Requirements for the ACS accredited major in chemistry:*

All courses required for the basic major, plus Chemistry 332, 411, 431. Two other semester courses may be taken as electives.

Both junior and senior January programs should be taken in the major.

The point scale for retention of the major applies to all chemistry courses. All prospective chemistry majors should meet with the chairman as early as possible during the freshman year in order to plan their full chemistry programs. No requirement for the major may be taken pass/fail.

A sound program in the basic major meets most of the objectives of the ACS accredited one and will prepare a student to enter many professional or graduate schools, e.g., dental, medical, or veterinary schools (for these, certain biology courses should be included in the students' programs), as well as law, biochemistry, chemistry, environmental science, oceanography, and other schools. Students who plan careers in high-school science teaching should add courses in education.

Completion of either chemistry major with Biochemistry provides an excellent basis for graduate work in biochemistry, the medical sciences, and pharmacology.

At the end of their junior year, chemistry majors are encouraged to obtain summer employment in industrial or professional laboratories.

Seminars for the chemistry department are held on Tuesday evenings. Important topics are developed and discussed; chemistry majors are expected to attend, and seniors are required to participate.

Attention is called to the interdepartmental geology-chemistry major.

## GEOLOGY

*Chairman*, PROFESSOR D. KOONS

*Professor D. Koons; Associate Professors Pestana and Allen<sup>1</sup>; Instructor P. Koons<sup>2</sup>.*

The department offers three major programs for students with different interests. For each option, at least one independent January program is required to be taken in the major during the junior or senior year, and a comprehensive examination is to be passed in the senior year. The point scale for retention of the major applies to all courses taken in the major. No requirement may be taken pass/fail.

*Requirements for the basic major in geology:*

Geology 141, 142, 215, 242, 251, 311, 323 or 371, 381, 452; one year of college mathematics; and Chemistry 141, 142. Geology 382 and one semester of Geology 491, 492 are recommended for professional preparation.

The *earth science option* is offered for students planning to teach in the secondary schools; the requirements are: Geology 141, 142, 215, 251, 292, 311, 323, 324, 381; Chemistry 141.

The *environmental science option* is designed to provide students with a core of geology courses supplemented by related courses from other departments. The requirements are: Geology 141, 142, 215, 311, 483 or 484; Biology 121, 122, 271; Chemistry 217 (or any of the following: 241, 242, 331, 332); Mathematics 121, 241 or 381; Physics 112 or 121; Economics 131, 132, 231; Sociology 232. Other related courses include: Biology 311, 314, 315, 316, 318, 332, 352, 354, 356, 358; Geology 172, 241, 242, 292, 323, 324, 371; Mathematics 122, 242, 382; Physics 122; Economics 293, 294, 314.

Students planning professional careers in geology should remember that graduate schools will require for admission a summer field course or its equivalent, at least one year in physics and biology, and, frequently, additional mathematics; and that candi-

dates for the doctorate must demonstrate a reading knowledge of two foreign languages.

Attention is also called to interdepartmental majors in geology-biology and geology-chemistry.

<sup>1</sup>On leave first semester.

<sup>2</sup>First semester only.

#### MATHEMATICS

*Chairman*, PROFESSOR I. ZUKOWSKI

*Professors Combellack and L. Zukowski; Associate Professors Small and Hayslett; Assistant Professors Goulet and G. Walker; Instructors C. H. Bassett<sup>1</sup> and Hamilton.*

*Requirements for the major in mathematics:*

Mathematics 121, 122, 221, 222, 361, 362, 401, 402, 421, 431, and 12 additional hours in mathematics selected from the following: 311, 312, 315, 332, 352, 372, 381, 382, 422, 432.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the department. No requirement for the major may be taken pass/fail.

Freshmen planning to major in mathematics or the physical sciences should elect in the sequence Mathematics 121, 122, 221, 222. Advanced placement or high school background would determine exactly where a student should enter the sequence.

Freshmen planning to major in the life sciences or social sciences might plan to elect from the set Mathematics 113 (Linear Algebra); Mathematics 121, 122 (Calculus); Mathematics 241 (Elementary Statistics); Mathematics 243 (Finite Mathematics). Elementary Statistics has a prerequisite of Mathematics 121 or equivalent. Mathematics 243 is offered in alternate years and has a prerequisite of 113 or 121, or equivalent.

A brief introduction to the use of the computer terminals will be required in all 100- and 200-level mathematics courses. For students electing more than one such course, the work will be graduated accordingly.

Attention is called to the interdepartmental majors in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics.

<sup>1</sup>Part-time.

#### PHYSICS AND ASTRONOMY

*Chairman*, ASSOCIATE PROFESSOR METZ

*Associate Professors Dudley and Metz; Assistant Professors Briggs<sup>1</sup> and Rosen<sup>2</sup>.*

The department seeks to train students to think analytically in terms of the fundamental principles of physics. Subject matter in courses is selected to illustrate basic laws with wide applicability. The course offerings provide excellent background for graduate study in physics, astronomy, and some areas of engineering. Moreover, analytical training is often profitable to students who intend to pursue other professions, such as medicine, law, or business.

*Requirements for the major in physics:*

Twenty-eight credit hours in physics, including 121, 122, 211, 232, 321; Mathematics 121, 122, 221, 222. A comprehensive examination is normally required in the senior year.

Students preparing for graduate work in physics, a related science, or engineering should plan to elect eight additional hours of physics, including Physics 441, and six additional hours of mathematics, including Mathematics 311. Mathematics 121, 122 should be taken during the freshman year. It is recommended that Chemistry 141, 142 be taken during the sophomore year, and that the college language requirement be fulfilled in French, German, or Russian.

Students seeking advanced standing in physics should consult the chairman of the department before electing courses.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the Division of Natural Sciences. No requirement for the major may be taken pass/fail.

<sup>1</sup>On leave second semester.

<sup>2</sup>Second semester only.

## Interdisciplinary Studies

Interdisciplinary majors are offered in American studies, East Asian studies, studies in human development, and studies in western civilization. In addition, there are courses in Black studies and the performing arts. Each area is administered by an advisory committee and utilizes courses in several departments of the college.

*Director*, PROFESSOR BASSETT

ADVISORY COMMITTEE: *Professors Bassett (English), Brancaccio (English), Cocks (Special Collections), Geib (Sociology), Gemery (Economics), Haley (History), N. Harris (English), P. Harris (English), Hauss (Government), Hudson (Philosophy), Longstaff (Religion),*



*Machlin (Music), W. Miller (Art), Morrione (Sociology), and Weiss (French); and four students majoring in American studies.*

A student majoring in American studies at Colby is taught—in single courses and through a combination of courses—the subject matter of America's past and present, with special effort devoted to the integration and knowledge of more than one academic discipline. Built around a core of courses in American history and American literature, the American studies program strives for genuinely interdisciplinary insights into the complexities of American thought and culture.

*Requirements for the major in American studies:*

Five courses, to include a senior seminar, in an area of concentration in either American literature or American history. These courses must demonstrate adequate chronological breadth, and include offerings at the 200, 300, and 400 levels.

Three courses in the area, American literature or history, not chosen as the area of concentration.

*Note:* All majors are strongly advised to complete English 359 in the junior year. Senior majors are required to complete the American studies section of English 493.

One senior seminar or independent study course with an American emphasis in a department other than the area of concentration.

Additional courses with an American emphasis to bring the total to at least 14 courses. These may be selected from a list available from the major adviser, and include offerings in administrative science, American studies, art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

An interdisciplinary oral or written comprehensive examination is to be passed in the senior year.

The senior January program is required to be taken in the major.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

*Courses approved for the major:*

ADMINISTRATIVE SCIENCE: 354 Law.

AMERICAN STUDIES: -97, -98 Selected Topics (except at the 100 level); 274 Women's Studies: The Female Experience in America; 276 Black Culture in America; 491, 492 Independent Study.

ART: 271 American Art; †[356] Twentieth-Century Art; 491, 492 Independent Study.

BIOLOGY: 352 Ecological Theory.

ECONOMICS: 217, 218 Seminars: Economic Analysis and Policy; \*231

Environmental Economics; \*256 Unions, Collective Bargaining, and Public Policy; †[274] American Economic History; 294 Urban and Regional Economics; †[314] Economics of Population; 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy; †[379] Seminar in Environmental Economics; 431 History of Economic Thought; 491, 492 Independent Study.

EDUCATION: 336 History of the American School.

ENGLISH: 251d Major American Writers I; 252d Major American Writers II; †[351] The American Renaissance I; 352 The American Renaissance II; 353 American Realism and Naturalism; 355 Black American Literature; 356 Modern American Fiction; 357 American Poetry; 358 Contemporary American Poetry; 359 Early American Authors; [375] Modern Drama I; [376] Modern Drama II; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature (when appropriate).

GEOLOGY: \*323, 324 Map Interpretation and Geomorphology of the United States.

GOVERNMENT: 211 The American System and the Shaping of the Modern Polity; 256 Parties and the Electoral Process; †[314] American Constitutional Law; †[316] American Political Thought; 317 The Policy-making Process; 321, [322] Political Theory; [359] Government and the Press; 373 The American Presidency; 374 The American Congress; 392 The Administrative Process; [393] State and Local Government; 435 Seminar in American National Government and Politics; [436] American Politics Seminar: Voting Behavior; 457 Foreign Policy of the United States; 491, 492 Independent Study.

HISTORY: 215 America and Asia: Attitudes and Relationships; 223, 224 Survey of United States History; 253 American Diplomatic History, 1775-1898; 277 Black History I; 278 Black History II; 311 Tutorial in History; 354 American Intellectual History, 1865-1917; 372 The American Civil War; [374] Contemporary America, 1929 to Present; [375] American Colonial History; [376] The Era of the American Revolution, 1763-1789; [377] Historical Introduction to American Studies: The United States, 1824-1850; [379] Black History III; [394] Slavery and the American South: 1819-1857; 397 American Cultural History: 1600-1865; [415], 416 Seminar in American History; [432] Seminar in Black History; 491, 492 Independent Study.

MUSIC: \*131 Studies in American Music; 491, 492 Independent Study.

PHILOSOPHY: \*352 American Philosophy; 491, 492 Independent Study.

PSYCHOLOGY: 253 Social Psychology; 491, 492 Independent Study.

RELIGION: †[217] Religion in America; [277], \*278 Religious Perspectives; 281 Cultural Euthenics; †[316] Contemporary Western Theology; 491, 492 Independent Study.

SOCIOLOGY: 211, 212 Short Courses in Sociology; 231 Contemporary Social Issues; †[233] Criminology; 252 Race and Minorities; †[253] Urban Sociology; \*274 Social Stratification; 318 Contemporary Theory; \*361, 362 Cultural Anthropology; †[391] Social Change; †[394] Collective Behavior; 491, 492 Independent Study.

#### BLACK STUDIES

*Director*, PROFESSOR BRANCACCIO

ADVISORY COMMITTEE: *Professors Bassett (English), Brancaccio (English), Gemery (Economics), Haley (History), and Sweney (English); and two students.*

Activities in the area of Black studies began in 1969 with the formation of a Black studies subcommittee of the educational policy committee. The work of this committee has involved the encouragement of curriculum development, scholarly exchanges through visiting lecturers, faculty attendance at professional meetings such as the one held annually in Atlanta at the Center for Afro-American Studies, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major.

*Courses offered in Black studies include:*

AMERICAN STUDIES: 276 Black Culture in America.

ENGLISH: 355 Black American Literature; †[436] African Prose.

HISTORY: 277 Black History I; 278 Black History II; [379] Black History III; [432] Seminar in Black History.

Students interested in Black studies should also note the following courses, which deal with various American minority and third-world concerns.

ECONOMICS: \*293 Economic Development.

GOVERNMENT: 332 Political Development in the Third World.

RELIGION: [319] Primitive Religion.

SOCIOLOGY: 231 Contemporary Social Issues; 252 Race and Minorities; †[253] Urban Sociology.

*Director*, PROFESSOR FEIGON

ADVISORY COMMITTEE: *Professors Bowen (Government), Feigon (History), Fuller (Art), So (Modern Foreign Languages), and Thorwaldsen (Philosophy and Religion).*

The program of East Asian studies contributes a new dimension to the traditional liberal arts curriculum by exposing the student to rich cultures outside the scope of western civilization. Study abroad during the junior year is encouraged; see FOREIGN STUDY section for information about Colby's participation in the Associated Kyoto Program and exchange agreement with Kansai University of Foreign Studies in Japan. Other foreign study possibilities include the People's Republic of China, Hong Kong, and Taiwan.

*Requirements for the major in East Asian studies:*

A minimum of two years of training in an East Asian language, and 21 additional credit hours obtained from courses in East Asian studies, selected with the approval of the program director. Students are encouraged to take History 151, 152 and at least one seminar or independent study project in the major.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

*Courses approved for the major:*

ART: \*177 Introduction to the Art of China; \*178 Introduction to the Art of Japan; \*275 Art and Archaeology of Ancient China; \*276 Chinese Painting; \*277, 278 Nature in East Asian Art and Literature.

CHINESE: 121, 122 Elementary Chinese; 123, 124 Intermediate Chinese; 321, 322 Advanced Chinese; 491, 492 Independent Study.

EAST ASIAN STUDIES: 491, 492 Independent Study.

GOVERNMENT: 135 Imperialism and Nationalism in East Asia; 138 Japan and the United States; 231d2 Contemporary Japanese Politics; 271 Asian Revolutionary Movements; 477 Seminar in Japanese Politics.

HISTORY: 151 East Asian Civilization to 1600; 152 East Asian Civilization from 1600 to the Present; 215 America and Asia: Attitudes and Relationships; 216 The Chinese Revolution; 317 The Introduction of Marxism into China; 318 The People's Republic of China; 457 Seminar in Modern Chinese History.

JAPANESE: 121, 122 Elementary Japanese; 123, 124 Intermediate Japanese; 321, 322 Advanced Japanese; 491, 492 Independent Study.

PHILOSOPHY: 391, 392 Philosophy Seminar (when appropriate).

RELIGION: 311 Indian Religions and Islam; 312 East Asian Religions; 391, [392] Religion Seminar (when appropriate).

## ENVIRONMENTAL STUDIES

*Director*, PROFESSOR PESTANA

STEERING COMMITTEE: *Professors Bennett (Biology), Dudley (Physics), Vice-President Jenson (Dean of Faculty), Professors Koons (Geology), Machemer (Chemistry), Pestana (Geology), and Zukowski (Mathematics).*

ADVISORY COMMITTEE: *Professors Clarey (Administrative Science), Firmage (Biology), Koons (Geology), Pestana (Geology); two students representing the Colby Environmental Council; Mr. T. Gordon (Cobbossee Watershed District); Mr. E. Keene (North Kennebec Regional Planning Commission); Mrs. R. Strider (Waterville Conservation Commission); and Mr. M. Wiebe (Keep Maine Scenic Committee).*

This major is available only to students entering Colby prior to 1979. Attention is called to environmental science options in biology and in geology.

*Requirements for the major in environmental studies:*

In biology: one semester course selected from 117, 138, or 271; one semester course selected from 118 or 121; and 352.

In chemistry: two semester courses selected from 111, 112 or 141, 142.

In geology: two semester courses selected from 141, 142 or 161, 162; either 172 or 292; and 483, 484.

In mathematics: 241 or 381.

In physics: Physics 121 or Astronomy 131.

From the science areas, a student is urged to take at least two courses with laboratory.

An additional seven credit hours from the approved list of courses in astronomy, biology, chemistry, geology, mathematics, and physics. Attention is called to a four-credit summer course in Applied Marine Ecology, offered in conjunction with TRIGOM.

Nine credit hours selected from the approved list of courses in administrative science, economics, government, and sociology.

At least one January program in environmental studies.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

*Courses approved for the major:*

ASTRONOMY: 131 Introductory Astronomy.

BIOLOGY: 117 Ecology and Field Biology; 118 Ecology and Population; 121 Introduction to Biology; †[138] Plant Biology; 271 Introduction to Ecology, Introduction to Evolution; 352 Ecological Theory.

CHEMISTRY: 111 Studies in Environmental Biochemistry; [112] Topics

in Chemistry; 141, 142 General Chemistry and Elementary Analysis.  
GEOLOGY: 141, 142 Introduction to Geological Science; 161, 162 Problems in Geology; 172 Oceanography; †[292] Meteorology; 483, 484 Environmental Geology.

MATHEMATICS: 241d Elementary Statistics; 381 Mathematical Statistics.

PHYSICS: 121 General Physics.

*Approved courses from the Division of Natural Sciences include those listed above and the following:*

BIOLOGY: †[311] Plant Classification; 316 Invertebrate Zoology; 318 Microbiology; †[319] Biology of the Lower Plants; 333 Chordate Evolution; \*354 Marine Ecology; †[356] Inland Ecology; 358 Ecological Field Study; 375 Problems in Comparative Animal Physiology; 378 Animal Behavior.

CHEMISTRY: 241, 242 Organic Chemistry.

GEOLOGY: [234] Rocks in Hand Specimen; 241, 242 Field Methods and Structural Geology; 251 Invertebrate Paleontology; 252 Micro-paleontology; 254 Advanced Invertebrate Paleontology; 311 Sedimentation; \*323, 324 Map Interpretation and Geomorphology of the United States.

MATHEMATICS: 242 Elementary Statistics; 382 Mathematical Statistics.

PHYSICS: 122 General Physics.

*Approved courses from the Division of Social Sciences:*

ADMINISTRATIVE SCIENCE: 354 Law; 413 Organizational Behavior.

ECONOMICS: 131d Principles of Macroeconomics; 132d Principles of Microeconomics; †[274] American Economic History.

GOVERNMENT: †[314] American Constitutional Law; 338 International Law; [393] State and Local Government.

SOCIOLOGY: 232 Human Ecology; †[253] Urban Sociology; [393] Complex Social Organizations.

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PERFORMING ARTS

*Coordinator*, PROFESSOR WITHAM

ADVISORY COMMITTEE: *Professors Conner (Performing Arts), Machlin (Music), Mitchell-Wentzel (Performing Arts), Sewell (Performing Arts), Suss (English), and Witham (English).*

The program in the performing arts enlarges existing patterns of academic concentration through credited work in theater, musical performance, and dance. The program is founded on two premises: first, that performance is essential to a full understanding of the art form; second, that all the arts share significant modes of thought and expression, and that a knowledge of one art form will contribute to an understanding of all the arts. In addition to traditional lecture/

discussion courses, the program includes frequent opportunities for practical experience in the theater.

*Courses offered in the performing arts include:*

MUSIC: 191, 192 Applied Music: Individual Study; 193, 194 Applied Music: Ensemble; [278] Opera as Theater; 372 Composition I; 374 Composition II; †[378] Conducting; 491, 492 Independent Study in Music.

PERFORMING ARTS: 111d Theater Production; 132 Scene Design; 171 Acting I; 221, 222 Theater History; 231 Stage Lighting; \*241, 242 Introduction to the Art of Dance; †[251] Stage Movement; †[272] Acting II; \*274 Performing the Classics; 341, 342 Modern Dance Composition and Theory; 491, 492 Independent Study in Theater.

*Courses in the literature of the performing arts, which provide the liberal arts context for the program, include:*

CLASSICS: \*232 Greek Tragedy.

ENGLISH: 271 General Speech; 275 The Art of the Narrative Film; \*373, 374 The Development of Dramatic Art; [375, 376] Modern Drama; 383, 384 Studies in Shakespeare; †[472] Oral Interpretation.

MUSIC: †[134] The Symphony; †[231] Chansons and Lieder; †[235] Chamber Music; †[332] Studies in Operatic Style; \*376 Counterpoint.

SPANISH: †[351] El Siglo de Oro.

#### STUDIES IN HUMAN DEVELOPMENT

*Director*, PROFESSOR ROSENTHAL

STEERING COMMITTEE: *Professors Bennett (Biology), Morrione (Sociology), Reuman (Philosophy), and Rohrman (Psychology).*

ADVISORY COMMITTEE: *Professors Birge (Sociology), Easton (Biology), Geib (Sociology), Hudson (Philosophy), Jacobson (Education), Parker (Philosophy), Perez (Psychology), Reuman (Philosophy), Skowbo (Psychology), and Todrank (Philosophy); and six students.*

A multidisciplinary study of the origin and development of man. Academic aims of the program are to provide an understanding of the development of man as a biological and psychological organism; an appreciation of the relationship between the individual and his social environment; an opportunity to consider possible future directions for both the individual and society; and working experience with a local, state, or regional agency involved in some aspect of human development.

*Requirements for the major in studies in human development: (through the class of 1981):*

In biology: 121 and either 122 or 134.

In human development: 393d, 493d.

In philosophy: one semester course selected from 211, 236, 281, 372.

In psychology: 111 and two semester courses selected from 251, 253, 254, 255, 256.

In sociology: 121, 122 and two semester courses selected from 232, 233, 237, 253, 273, 274, 361, 362, 391, 394.

An additional nine credit hours above the introductory level in biology, economics, English or American literature, government, history, philosophy, psychology, religion, and sociology.

At least one independent January program in human development during the junior or senior year.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

*Requirements for the major in studies in human development (beginning with the class of 1982):*

In biology: 121, 122 and either 134 or 271.

In human development: 393d, 493d.

In philosophy: 331, 332.

In psychology: 111 and two additional courses, not to include 214 or 255.

In sociology: 121, 122 and one additional course, not to include 237 or 271.

Either Sociology 271 or Psychology 214.

Either Psychology 255 or Sociology 237.

An additional nine credit hours above the introductory level in one of the following areas: biology, philosophy-religion, psychology, or sociology.

At least one independent January program is to be taken in human development during the junior or senior year.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

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STUDIES IN WESTERN CIVILIZATION

*Director*, PROFESSOR D. KOONCE

ADVISORY COMMITTEE: *Professors Berschneider (History), Bundy (Modern Foreign Languages), Carpenter (Art), Koonce (Classics), Koonce (English), Parker (Philosophy and Religion), and Westervelt (Classics).*

Each student majoring in studies in western civilization will draw up a provisional plan of study with his major adviser before choosing courses. This plan will be reviewed and can be revised by the adviser and the student before registration each semester. Since



in a civilization program it is desirable to respond to a culture in its own terms, students in the western civilization major will be expected to pursue at least one classical or modern language for at least one year beyond the all-college language requirement. The exact extent of this requirement, and the language involved, will be part of the plan agreed on by the student and his adviser. The advisory committee for the studies in western civilization major encourages students to take advantage of opportunities for off-campus study currently available through the committee on foreign study and student exchange and the committee on special programs. Plans for off-campus study, which include provisions for meeting the requirements for the major, will be accepted in lieu of portions of the requirements below.

*Requirements for the major in studies in western civilization:*

Eighteen hours from courses listed in and counting toward a major in one of the following disciplines: art, classics, English, history, modern foreign languages, philosophy, religion. Nine of these credit hours must be concentrated in no more than two of the following periods of western culture: Greece, Rome, the Middle Ages, the Renaissance, the Enlightenment.

At least six hours in courses in two other disciplines that are in the same period(s) of concentration selected above, and which appear in the list of approved courses below.

Western Civilization 493 and 494. Western Civilization 297, 298, 397, and 398—one-credit coordinating seminars led by instructors who are advisers for the major.

Eight additional credit hours selected from the list of approved courses below.

*Courses approved for the major:*

ANCIENT HISTORY: 151 Introduction to Greek Civilization; †[252] Greek History; \*254 Roman History; \*352 Athens in the Fifth Century; †[353] Greece in the Fourth Century.

ART: 121, 122 Introduction to Art; \*311 The Art of Ancient Greece; †[312] Art of the Renaissance in Italy; \*314 Baroque Art; \*316 Art of the Renaissance in Northern Europe; \*358 Medieval Art.

CLASSICS: 133 Myth and Literature; \*232 Greek Tragedy; †[234] The Heroic Ideal in Early Greek Poetry.

ECONOMICS: \*272 European Economic History.

ENGLISH: 221, 222 Major British Writers; \*276 Dante in Translation; 331 The Middle Ages; 332 The Renaissance; 333 The Seventeenth Century; 334 Restoration Literature; †[351] The American Renaissance I; 352 The American Renaissance II; 371 The Age

of Pope and Swift; 372 From Johnson through Blake; [373] The Development of Dramatic Art I; \*374 The Development of Dramatic Art II; 383, 384 Studies in Shakespeare; †[391] Chaucer; †[392] Sidney and Spenser; 394 Milton; 432 History of the English Language; 493, 494 Seminar in English Literature (when appropriate).

FRENCH: 223 French Civilization; †[345, 346] The Eighteenth Century; 355d2 Topics in Seventeenth-Century French Literature.

GERMAN: 223, 224 German Cultural Traditions.

GOVERNMENT: 321 Political Theory.

GREEK: all courses listed.

HISTORY: †[137] Medieval History, 476-1300; †[138] Medieval History, 1300-1648; \*335 A Constitutional and Legal History of Medieval England; †[336] Tudor-Stuart England; 419 Seminar in Medieval History.

LATIN: all courses numbered above 112.

MUSIC: 111d Introduction to Music; 211 Music History I; \*233 Studies in Medieval and Renaissance Music; †[234] Studies in Baroque Music.

PHILOSOPHY: 331 History of Ancient Philosophy; 332 History of Modern Philosophy; †[373] History of Medieval Philosophy.

RELIGION: 223, 224 Biblical Literature; [319] Primitive Religion; †[351] The Book of Job; \*352 The Theology of Paul; \*353 The Great Prophets of Israel; †[358] Jesus of Nazareth.

SPANISH: †[351] El Siglo de Oro.

## Division of Physical Education and Athletics

*Chairman*, ASSISTANT PROFESSOR MCGEE

*Professor Bither*; *Assistant Professors McGee, Covell, C. Nelson, Whitmore, Taylor, Kopp, and Wescott*; *Instructors DeLorenzo, M. Goulet, Bell, and Ewell*.

The department of physical education and athletics offers required and voluntary physical education classes, intramural sports, intercollegiate athletics (varsity and junior varsity), and informal recreational activities.

*Coordinator*, PROFESSOR BITHER

Physical Education 1, 2: two semesters of physical education are required of all Colby students for graduation. Waivers are available for members of varsity or junior varsity teams.

A program of instruction in a wide variety of activities is offered on a coeducational basis. Activities presently in the program are *aquatics*: swimming, life saving, water-safety instructors' course, canoeing, scuba; *leisure-time sports*: tennis, racquetball, golf, squash, skating, figure skating, bicycling, skiing, cross-country skiing, fencing, badminton, riding; *dance*: modern, folk, ballet, ballroom; *team sports*: volleyball; *other activities*: yoga, conditioning, hiking.

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**INTRAMURALS**

*Coordinator*, MR. DELORENZO

Programs in intramurals are on a coeducational basis; each student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball, ice hockey, volleyball, chess, table tennis, skiing, track, squash, swimming, softball, tennis, cross-country, marathon run, and basketball free-throw. Teams are divided into fraternity and independent divisions, with a point system determining winners of each divisional trophy. Participation by all members of the college community is encouraged.

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**INTERCOLLEGIATE ATHLETICS**

Athletics for men include varsity teams in golf, lacrosse, tennis, cross-country, indoor and outdoor track, skiing, and squash, and both a varsity and a junior varsity team in soccer.

There is a coed varsity team in swimming.

Varsity teams for women are in field hockey, tennis, cross-country, ice hockey, basketball, skiing, softball, lacrosse, and indoor and outdoor track.

The rules that govern intercollegiate sports are those adopted by the athletic conferences in which Colby holds membership. Colby is a member of the New England Small College Athletic Conference, which also includes Amherst, Bates, Bowdoin, Hamilton, Middlebury, Trinity, Tufts, Union, Wesleyan, and Williams. The college is also a member of the National Collegiate Athletic Association, the Eastern College Athletic Conference, the Association for Intercollegiate Athletics for Women, the Eastern Association for Intercollegiate Athletics for Women, and the Maine Association of Intercollegiate Athletics for Women.

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## Division of Special Programs

Recognizing the fact that diverse interests exist in every community, and that even the most professionally trained individual has a need to continue his education, Colby College maintains a division of special programs with a full-time director.

Each summer nearly 6,000 individuals from throughout the nation and other countries are on campus for courses, conferences, seminars, and institutes ranging from Great Books to the Maine Special Olympics. Continuing-education programs in medicine and allied health fields constitute a significant portion of summer activities. Approximately 150 doctors enroll in the 10-week Lancaster Course in Ophthalmology. Three- to five-day seminars in Allergy and Immunology, Dermatology, Emergency Medicine, Epilepsy, Forensic Medicine, Neurosurgery, Nuclear Medicine, Obstetrics-Gynecology, Ophthalmology, Otolaryngology, Pediatrics, Pulmonary Disease, and Surgery are offered annually. The Maine Orthopedic Review, a two-week course, is held at Colby.

Colby medical programs are fully accredited by the American Medical Association's Council on Medical Education. For courses designed for primary-care physicians, the American Academy of Family Practice credit is generally available. In addition, some of the medical seminars are cosponsored by nationally recognized organizations, such as the American Association of Dermatology.

There are various other summer programs, including the Estate Planning and Tax Institute, Advanced Audiology, Church Music Institute, Speech Pathology, as well as youth cheerleader, basketball, soccer, and football clinics.

During the academic year, the division arranges such annual conferences as the Colby Institute for Management. Adult courses and noncredit courses for which the continuing-education unit may be earned are also structured and evaluated through special programs.

The use of Colby's facilities by outside groups is coordinated through the division of special programs. This past year, some of the groups holding conferences on campus included the Foreign Language Association of Maine, Women and the Law Conference, Maine Film Alliance, Higher Education Council, Maine State Association of Financial Aid, and others.

Information may be obtained by writing to the director, Robert H. Kany.

# Courses of Study

## KEY TO SYMBOLS AND METHODS OF COURSE DESIGNATION

Each course is known by a title and also, for convenience of reference and ease in record keeping, by subject and number: *American Art* is also *Art 271*.

The first digit indicates the class or classes eligible to take the course:

100 — open to freshmen;

200 — ordinarily open to sophomores, and classes above;

300 — ordinarily open only to juniors and seniors;

400 — ordinarily restricted to seniors.

The second digit may be:

*zero* — either semester of a year course, with credit given only on completion of the two semesters;

*an even number* — either member of a pair of closely related semester courses (special permission of the department is required to take the second without the first);

*an odd number* — an independent semester course.

The last digit shows the semester in which the course is offered. Courses ending in odd numbers are first-semester (fall) courses, while those ending in even numbers are given in the second semester.

Thus *Art 271* may be elected no earlier than the sophomore year (as it is a 200 course); it is an independent one-semester course (shown by the 7, an odd number); and it is given in the first semester (since the final digit is also odd).

The letter *d* after a course number indicates that the course is repeated each semester. The *d* followed by the number 1 or 2 is used to designate a course being given out of its usual semester. *Geology 313d2* would be an independent semester course for juniors or seniors ordinarily given in the fall but this year being presented in the spring instead.

The letter *e* after a number indicates an *E* course, the first of two closely related semester courses. When so designated, a mark of *E* may be given for the first. *E* designates provisional failure, but the deficiency may be made up by satisfactory completion of the sequentially related course in the immediately following semester. When thus made up, the first-semester mark is changed to *D*. An *E* course finally carries a separate permanent mark for each semester.

A year course (with zero its second digit) may not be dropped at midyear without loss of credit; nor may it be entered except at the beginning of the year. In a year course, the mark at midyear merely indicates the student's standing at that time. The end-of-year mark is the only finally recorded mark for the course, and no credit is given until that mark is recorded.

[ ] Brackets indicate that the course will not be offered in 1979-80.

† A dagger indicates that the course will probably be offered in 1980-81.

\* An asterisk indicates that the course will probably not be offered in 1980-81.

A schedule of hours and rooms for courses listed in this catalogue is available at the registrar's office at registration periods.

Courses listed are subject to withdrawal at the discretion of the college administration.

*Credit hours shown are per semester unless otherwise noted.* Courses listing variable credit are offered primarily for the smaller number of credits. Students can earn augmented credit in these courses by completing such extra work as the instructor may specify.

Unless otherwise stated or taken pass/fail, courses carry basic credit.

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## Administrative Science

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- 111  
THE COMPUTER AND DECISION  
MAKING  
INSTRUCTOR
- An introduction to the potential uses of the computer as a device in the solution of a variety of management problems. *Three credit hours.*
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- 221e, 222  
ACCOUNTING  
MRS. KNIGHT
- The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society—its relationship to law, economics, and social policy. *Three credit hours.*
- 
- 321, 322  
FINANCE  
MR. ZUKOWSKI
- An analytically structured approach to decision making in the financial area. Money and capital markets are considered.  
*Prerequisite:* Administrative Science 221, 222 and Economics 131, 132 or special permission. *Three or four credit hours.*
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- 333  
MARKETING  
INSTRUCTOR
- Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally.  
*Prerequisite:* Administrative Science 221, 222 or Economics 131, 132. *Four credit hours.*
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- 334  
ADMINISTRATION OF PUBLIC AND  
SOCIAL SERVICE ORGANIZATIONS  
MRS. KNIGHT
- An introduction to the theories and methodologies utilized in the administration of public and social service organizations: federal, state, and local government units, health care and educational institutions. Emphasis placed on the management tools and skills that best enable the organization to perform its function efficiently and effectively in an environment of constantly changing social and economic values.  
*Prerequisite:* Administrative Science 221, 222 or permission of the instructor. *Three credit hours.*
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- 341, 342  
ADVANCED ACCOUNTING  
INSTRUCTOR
- Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.  
*Prerequisite:* Administrative Science 221, 222. *Three credit hours.*
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- 352  
MANAGERIAL ECONOMICS  
MR. SAMUEL
- The decision-making process examined in an economic context.  
*Prerequisite:* Administrative Science 221, 222 and Economics 131, 132 or special permission. *Three credit hours.*

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354 LAW INSTRUCTOR	The processes of law that underlie personal and institutional relationships. <i>Four credit hours.</i>
371 OPERATIONS RESEARCH MR. SAMUEL	The application of the scientific method, with emphasis on the use of mathematical and statistical techniques, to organizational problems to arrive at the "best" or optimal solution. <i>Prerequisite:</i> Mathematics 113 or 121 or permission of the instructor. <i>Four credit hours.</i>
411 THE CONSUMER IN SOCIETY MRS. KNIGHT	Consumer behavior is examined within the framework of the financial and social institutions that comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives, and decisions. <i>Three credit hours.</i>
412d1 INVESTMENTS MR. ZUKOWSKI	Traditional concepts of investment analysis and an examination of recent scientific research on securities markets and other investments. Aberrations in market behavior due to crowd psychology are considered. <i>Prerequisite:</i> Administrative Science 221, 222, 321, 322. <i>Three credit hours.</i>
413 ORGANIZATIONAL BEHAVIOR INSTRUCTOR	This course utilizes a historical and sociological orientation as it examines the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations. <i>Three credit hours.</i> <i>Note:</i> This course may be offered cooperatively with Sociology 393. A student may not receive credit for both Administrative Science 413 and Sociology 393.
491, 492 INDEPENDENT STUDY STAFF	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i>
494 SENIOR SEMINAR STAFF	Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class. <i>Prerequisite:</i> Administrative Science 221, 222, 321, 322, 413, and two additional semester courses in administrative science or from the approved group (see major requirements). <i>Four credit hours.</i>



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## American Studies

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274  
 WOMEN'S STUDIES: THE FEMALE  
 EXPERIENCE IN AMERICA  
 MISS MANNOCCI

A documentary study of the lives of American women, primarily though not exclusively in the twentieth century, using oral histories, autobiographical writings, and films as analytical tools. In 1979-80 the basic texts will be Lerner's *The Female Experience*, autobiographies by such women as Emma Goldman, Gertrude Stein, Lillian Hellman, and Maya Angelou, and documentary films on women's experience by female filmmakers. Enrollment limited.

*Prerequisite:* Sophomore standing or permission of the instructor.  
*Three credit hours.*

276  
 BLACK CULTURE IN AMERICA  
 INSTRUCTOR

An interdisciplinary analysis of the literary and historical manifestations of Black culture in the United States.

*Prerequisite:* Sophomore standing or permission of the instructor.  
*Three credit hours.*

491, 492  
 INDEPENDENT STUDY  
 STAFF

Individual study of special problems in American studies in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Permission of the instructor and the program director. *One to four credit hours.*

AMERICAN STUDIES MAJOR

Attention is called to the major in American studies, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

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## Ancient History

IN THE DEPARTMENT OF CLASSICS

151  
 INTRODUCTION TO GREEK  
 CIVILIZATION  
 MRS. KOONCE

A survey of the forces in Greek history, art, and literature that produced the culture of fifth-century Athens. Special attention will be given to the question of continuity between the age of Mycenae and the Homeric poems, the development of Athens in the sixth century, and the impact of the Persian and the Peloponnesian wars on Greek society. *Three or four credit hours.*

†[252]  
 GREEK HISTORY

Greece from the neolithic period to the sixth century, with emphasis on the Bronze Age generally and the Mycenaean period in particular.

Open to freshmen with permission of the instructor. *Three or four credit hours.*

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\*254  
ROMAN HISTORY  
TAYLOR LECTURER

Topics in Roman history. Open to freshmen with permission of the instructor. *Three or four credit hours.*

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\*352  
ATHENS IN THE FIFTH CENTURY  
MRS. KOONCE

The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens.  
*Prerequisite:* Permission of the instructor. *Three or four credit hours.*

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†[353]  
GREECE IN THE FOURTH CENTURY

The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources.  
*Prerequisite:* Permission of the instructor. *Three or four credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.  
*Prerequisite:* Permission of the instructor. *One to three credit hours.*

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## Art

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121, 122  
INTRODUCTION TO ART  
STAFF

First semester: an analytical approach to the visual arts and the historical development of European art through the Middle Ages. Second semester: the history of western art from the Renaissance to the present. *Four credit hours.*

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141, 142  
DRAWING  
MISS MATTHEWS

First semester: an introduction to fundamentals of drawing. Second semester: further exploration of these fundamentals. Out-of-class drawing is stressed. Enrollment limited. *Three credit hours.*

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161, 162  
DESIGN  
MISS KASSEL

Exploration of design elements, including line, texture, value contrast, composition, balance, perspective, proportion, and color theory. Second semester stresses color mixing and composition. Students must supply own materials; out-of-class work is essential. Enrollment limited. *Three credit hours.*

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\*177  
INTRODUCTION TO THE ART OF  
CHINA  
MISS FULLER

History of painting, sculpture, architecture, and decorative arts in China. The visual arts will be considered in relation to a broader cultural context. Selected readings from Chinese literature. *Three credit hours.*

<p><b>*178</b> INTRODUCTION TO THE ART OF JAPAN MISS FULLER</p>	<p>History of painting, sculpture, architecture, and decorative arts in Japan. The visual arts will be considered in relation to a broader cultural context. Selected readings from Japanese literature. <i>Three credit hours.</i></p>
<p><b>241, 242</b> BEGINNING PAINTING MISS KASSEL</p>	<p>Oil technique; painting perceptually from still life, figure, and landscape. Students must supply own materials; out-of-class work is essential. <i>Prerequisite:</i> Art 141 and 161 or permission of the instructor. <i>Three credit hours.</i></p>
<p><b>252</b> SURVEY OF WESTERN ARCHITECTURE MR. MILLER</p>	<p>Lectures will focus on significant buildings and architects from ancient to modern times. Assignments will include problems of designing, photo essay, and model building. Primarily for non-majors. <i>Three credit hours.</i></p>
<p><b>261, 262</b> BEGINNING SCULPTURE MISS MATTHEWS</p>	<p>First semester: an introduction to form and ideas through the use of quick media. Second semester: exploration of form and ideas through wood, stone carving, and welding. <i>Prerequisite:</i> Art 141 or 161 or permission of the instructor. <i>Three credit hours.</i></p>
<p><b>271</b> AMERICAN ART MR. MILLER</p>	<p>Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <i>Three credit hours.</i></p>
<p><b>*275</b> ART AND ARCHAEOLOGY OF ANCIENT CHINA MISS FULLER</p>	<p>Ancient Chinese culture examined through study of recently excavated ceramics, bronzes, other tomb furnishings, and related literary documents. From prehistoric times to the end of the Han Dynasty, including growth of neolithic cultures, development of metallurgy, establishment of social and political institutions, and philosophy. Readings in Chinese classics in translation. <i>Three credit hours.</i></p>
<p><b>*276</b> CHINESE PAINTING MISS FULLER</p>	<p>The technique, theory, and history of painting in China, including study of traditions in figure painting and portrait painting, bird and flower subjects, and landscapes. The cultural context and relationships between literature and art will be considered in relation to historical developments. <i>Three credit hours.</i></p>
<p><b>*277, 278</b> NATURE IN EAST ASIAN ART AND LITERATURE MISS FULLER</p>	<p>Attitudes toward nature expressed in the art and literature of China and Japan. Early myths and cosmologies, nature symbolism, landscape poetry and painting, and the treatment of individual works of art, and selected readings. The fall semester will be devoted to</p>

Chinese art and literature, the spring to Japanese; Art 277 is not a prerequisite to 278. *Three credit hours.*

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<p><b>*311</b>  <b>THE ART OF ANCIENT GREECE</b>          MR. MILLER</p>	<p>Architecture, sculpture, and painting from the Mycenaean through the Hellenistic periods.  <i>Prerequisite:</i> Art 121 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[312]  <b>ART OF THE RENAISSANCE IN ITALY</b></p>	<p>The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major architects, sculptors, and painters.  <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p><b>*314</b>  <b>BAROQUE ART</b>          MR. MILLER</p>	<p>The art of Europe in the seventeenth and eighteenth centuries, with emphasis on the major artists.  <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p><b>*316</b>  <b>ART OF THE RENAISSANCE IN NORTHERN EUROPE</b>          MR. CARPENTER</p>	<p>The art of France, Germany, and the Lowlands in the fifteenth and sixteenth centuries, with emphasis on the major painters from Van Eyck to Brueghel. Special attention is given to the graphic arts (woodcuts and engravings) in Germany.  <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p><b>317</b>  <b>EUROPEAN ART, 1780-1920</b>          MR. CARPENTER</p>	<p>Emphasis on French painting of the neoclassic, romantic, realist, impressionist, and postimpressionist movements.  <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p><b>341, 342</b>  <b>ADVANCED PAINTING</b>          MISS KASSEL</p>	<p>Emphasis on the figure; painting from the model in oil. Students must supply own materials; out-of-class work is essential.  <i>Prerequisite:</i> Art 242 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[352]  <b>THE GRAPHIC ARTS</b></p>	<p>History and criticism of drawing and print making, with emphasis on European art since the Renaissance.  <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[356]  <b>TWENTIETH-CENTURY ART</b></p>	<p>The architecture, painting, and sculpture of the present century in Europe and America. Attention to particular problems in the art of the past 50 years will take precedence over a survey-like approach.</p>

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*Prerequisite:* Three semesters of art, including Art 121, 122. *Two or three credit hours.*

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\*358

MEDIEVAL ART

MRS. MILLER

Architecture, sculpture, and painting of western Europe from the mid-sixth to the mid-thirteenth centuries.

*Prerequisite:* Art 121. *Three credit hours.*

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361, 362

ADVANCED SCULPTURE

MISS MATTHEWS

Further use of the techniques acquired in Art 261, 262 in developing the student's own visual ideas. Enrollment limited.

*Prerequisite:* Art 261, 262. *Three credit hours.*

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491, 492

INDEPENDENT STUDY

STAFF

Individual study of special problems in the practice, history, or theory of the visual arts.

*Prerequisite:* Permission of the instructor. *One to four credit hours.*

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499d

ART TEACHING

STAFF

Directed practice in conduct of discussion sections in art history. Open to a limited number of upperclass art majors. Nongraded.

*Prerequisite:* Permission of the department chairman. Flexible credit. *Two credit hours.*

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## Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

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[112]

WORLD SYSTEMS

Major turning points in the history of man's understanding of his world. An examination of the relationships and content of revolutionary changes of thought about motion from Copernicus to Einstein, illustrated primarily by astronomical examples. Occasional laboratory work is designed to illuminate the concepts discussed. Permission of the instructor required for students who have completed Physics 121. Lecture and laboratory. Enrollment limited. *Three credit hours.*

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131

INTRODUCTORY ASTRONOMY

MR. DUDLEY

A study of the universe from a physical point of view, including a discussion of the earth, the solar system, the stars and their evolution, the galaxy and some of the newly discovered peculiar objects within it (e.g., pulsars, black holes), and cosmology. *Three credit hours.*

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# Biology

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115, 116  
CONCEPTS IN BIOLOGY  
STAFF

Primarily designed for students majoring in the social sciences or humanities. Each course examines a few biological concepts in some depth. The relative amounts of time spent in the field, in the laboratory, or in discussion of theory vary according to the topic covered. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

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117  
ECOLOGY AND FIELD BIOLOGY  
MR. COLE

Lectures and laboratories utilize an ecosystem approach to emphasize ecological principles and their relevance to current environmental problems. Field trips examine various terrestrial and aquatic ecosystems and introduce techniques of field biology. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

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118  
ECOLOGY AND POPULATION  
MR. COLE

An introduction to natural history and the regulation of natural populations, interactions among populations, influence of man upon populations of other species, and the relevance of ecological principles to the environmental crisis. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

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121, 122  
INTRODUCTION TO BIOLOGY  
STAFF

First semester: the form, function, and behavior of selected organisms. Second semester: the biology of reproduction, inheritance, and development. Illustrative examples will be drawn from a variety of organisms. Lecture and laboratory. *Four credit hours.*

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134  
HUMAN EVOLUTION  
MR. EASTON

The evolutionary origin of Man through study of selected original papers and short publications. Attention is given to the basic theory of evolution and the forces that are effective in the process. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*

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136  
HORTICULTURE  
MR. FIRMAGE

Basic principles in the areas of plant structure and function will be covered and related to plant cultivation. Practical application of these principles will be discussed in areas such as lighting, propagation, pruning, and floriculture. Some laboratory work will be required,

and one field trip will be taken. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. *Three credit hours.*

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†[138]

PLANT BIOLOGY

An introduction to the principles of biology as illustrated by plants, with emphasis on structure, activities, and reproduction of green plants. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. *Three credit hours.*

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271

INTRODUCTION TO ECOLOGY;  
INTRODUCTION TO EVOLUTION  
MR. FOWLES, MR. FIRMAGE,  
AND MR. COLE

Part I: introduction to ecological principles: structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips are taken to sites representative of terrestrial, fresh-water, and marine habitats. Part II: introduction to the scope, significance, and mechanisms of evolution. Lecture and laboratory.

*Prerequisite:* Biology 121, 122 or equivalent. *Four credit hours.*

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272

CELL BIOLOGY  
MR. CHAMPLIN

An introduction to the study of cellular and molecular biology: an examination of the structure and function of nuclear and cytoplasmic components, with emphasis on experimental findings. Instruction in basic histological and cytochemical techniques is included, in addition to studies of selected cellular properties. Lecture and laboratory.

*Prerequisite:* Biology 121, 122 or equivalent and Chemistry 141, 142 (may be taken concurrently), or permission of the instructor. *Four credit hours.*

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301, 302

BIOLOGY SEMINAR  
STAFF

Discussion of contemporary topics in biology. Nongraded.

*Prerequisite:* Junior standing as a biology or geology-biology major. *One credit hour for the year.*

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†[311]

PLANT CLASSIFICATION

Methods and principles of classification, including the use of keys, nomenclature, collection techniques, and plant structural characteristics. Major plant families and the local flora will be stressed. Lecture and laboratory.

*Prerequisite:* Biology 121 or 138, and 271 (may be concurrent) or permission of the instructor. *Three credit hours.*

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314

PLANT PHYSIOLOGY  
MR. FOWLES

The essential mechanisms of plant functions. Lectures only. Augmented credit of one hour based on the addition of laboratory studies emphasizing the methods of plant physiology.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Three or four credit hours.*

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315  
CELLULAR PHYSIOLOGY  
MR. TERRY

An introduction to physiological processes, with emphasis on the functional organization of the cell, the cellular environment, membrane exchange mechanisms, excitability, and contractility. Lecture and laboratory.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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†[316]  
INVERTEBRATE ZOOLOGY

The morphology, physiology, and classification of the invertebrates. Lecture and laboratory. Formerly listed as Biology 313.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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†[317]  
ANIMAL HISTOLOGY

The structure of cells, tissues, and organs, principally of vertebrates, with aspects of function. Lecture and laboratory.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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318  
MICROBIOLOGY  
MR. TERRY

The biology of bacteria and viruses. The aims of the course are to develop general knowledge in this area and to give practical experience in techniques. Lecture and laboratory.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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†[319]  
BIOLOGY OF THE LOWER PLANTS

Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Lecture and laboratory.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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†[331]  
CONTEMPORARY PROBLEMS IN  
BIOLOGY  
MISS BENNETT AND MR. CHAMPLIN

Lectures, discussions, and laboratory exercises that emphasize methodology, acquisition of knowledge, and analysis of information in present-day studies of selected organisms, their reproduction, genetics, and development. The biological bases of some societal issues arising from advances in these areas will also be stressed.

*Prerequisite:* Junior or senior standing. *Four credit hours.*

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†[332]  
DEVELOPMENTAL BIOLOGY

A study of development, with emphasis on the experimental findings that have led to present ideas of the morphological and chemical processes underlying the development and growth of organisms. Lecture and laboratory.



*Prerequisite:* Biology 121, 122, 271, and 272, or permission of an instructor. *Four credit hours.*

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333  
CHORDATE EVOLUTION  
MR. EASTON

Origin of vertebrate form through consideration of homologies in extinct and living organisms. Lecture and laboratory.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Four credit hours.*

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\*335  
BIOSYSTEMATICS  
MR. FIRMAGE

A theoretical view of the taxonomic aspects of biological variation, with emphasis on the processes and mechanisms of variation and evolution at the species level. Research methods will also be considered. Augmented credit of one hour based on a laboratory project using one of the avenues of research discussed in class.

*Prerequisite:* Biology 121, 122, 271, and 272. *Three or four credit hours.*

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352  
ECOLOGICAL THEORY  
MR. FIRMAGE AND MR. COLE

An examination of population and community ecology, emphasizing population regulation, demography, trophic relationships and community structure, and development. Coevolutionary interactions among plants and animals will be considered. Relevance of ecological theory to our environmental crisis will be discussed. Lecture and discussion.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructors. *Three credit hours.*

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\*354  
MARINE ECOLOGY  
MR. FIRMAGE AND MR. COLE

Field and laboratory studies of marine ecosystems, with emphasis on estuarine and coastal communities; quantitative sampling methods and data analysis will be undertaken in group and individual projects. Occasional weekend trips to the coast. Lecture, laboratory, and discussion.

*Prerequisite:* Biology 352 (may be taken concurrently). *Two credit hours.*

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†[356]  
INLAND ECOLOGY

Field and laboratory studies of terrestrial and fresh-water communities; quantitative sampling methods and analysis of data will be accomplished through group and individual projects. Lecture, laboratory, and discussion. Occasional weekend field trips.

*Prerequisite:* Biology 352 (may be taken concurrently). *Three credit hours.*

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358  
ECOLOGICAL FIELD STUDY  
STAFF

A trip to a south temperate or tropical area during the spring recess. Students must cover expenses.

*Prerequisite:* Biology 352 (may be taken concurrently) or permission of the instructor. *One credit hour.*

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**371d2**  
**GENETICS**  
MR. CHAMPLIN

The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes in individuals and populations are examined.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours*.

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**375**  
**PROBLEMS IN COMPARATIVE ANIMAL PHYSIOLOGY**  
MISS BENNETT

Studies of the manners in which animals of major phyla cope with their functional problems. Both ecological and evolutionary correlations are stressed. Lectures only. Augmented credit of one hour based on the addition of laboratory studies emphasizing the methods of comparative physiology. Formerly listed as Biology 376.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Three or four credit hours*.

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**377**  
**TOPICS IN NEUROBIOLOGY**  
MR. MULLER

Lectures, discussions, and readings on the functional organization of nervous systems, and on how nervous information is received, coded, stored, and transmitted by living organisms. Augmented credit of one hour based on addition of laboratory work.

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the instructor. *Three or four credit hours*.

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**378**  
**ANIMAL BEHAVIOR**  
MR. MULLER

An examination of animal behavior from a biological viewpoint. Topics will include the control, development, function, and evolution of behavior. Lectures only. Augmented credit of one hour based on the addition of an independent research problem.

*Prerequisite:* Two courses in biology and permission of the instructor. *Three or four credit hours*.

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**483, 484**  
**INDEPENDENT STUDIES IN ENVIRONMENTAL SCIENCE**  
MR. FIRMAGE AND MR. COLE

Normally open only to junior and senior biology majors with the concentration in environmental science for work on environmentally related topics. Enrollment limited.

*Prerequisite:* Permission of the department. *One to four credit hours*.

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**491, 492**  
**INDEPENDENT STUDY**  
STAFF

Normally open only to senior biology majors whose work in the department has been of better-than-average quality.

*Prerequisite:* Permission of the department. *One to four credit hours*.

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# Chemistry

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- 111  
STUDIES IN ENVIRONMENTAL  
BIOCHEMISTRY  
MR. MAIER
- A few situations in which polluting and ultimately toxic chemicals intrude upon the proper functioning of biochemical systems will be studied in great detail. Intended as a nonlaboratory course for non-science majors. *Three credit hours.*
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- [112]  
TOPICS IN CHEMISTRY
- Both the philosophical and technological aspects of chemistry are considered in an essentially phenomenological approach. Topics covered include atomic structure, radioactivity, nuclear energy, energy relationships in chemical systems, environmental problems, and industrial applications of chemistry. Intended as a nonlaboratory course for nonscience majors. *Three credit hours.*
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- 141e, 142  
GENERAL CHEMISTRY AND  
ELEMENTARY ANALYSIS  
MR. MACHEMER
- Fundamental principles, with examples selected from inorganic chemistry; stoichiometry; atomic theory; chemical bonding; thermochemistry; gases, liquids, and solids; solutions; chemical equilibria; electrochemistry; chemistry of certain important elements; radioactivity. Lecture, discussion, and laboratory. The first-semester laboratory is concerned with gravimetric analysis, the second with volumetric analysis and qualitative analysis. *Four credit hours.*
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- †[217]  
INDUSTRIAL CHEMISTRY
- Applications of chemistry and the role of chemical technology in our society. Students will present an oral and a written report on a topic in industrial chemistry. Formerly listed as Chemistry 317.  
*Prerequisite: Chemistry 142. Two credit hours.*
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- 241e, 242  
ORGANIC CHEMISTRY  
MR. NEWTON
- The chemistry of carbon compounds, aliphatic, aromatic, and heterocyclic, from the point of view of synthesis, structure, properties, and uses. Lecture, discussion, and laboratory. Laboratory includes separations, purifications, syntheses, determination of important properties.  
*Prerequisite: Chemistry 142. Five credit hours.*
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- 331  
QUANTITATIVE ANALYSIS  
MR. MACHEMER
- A theoretical and practical study of fundamentals of gravimetric and volumetric methods of analysis. Laboratory work emphasizes the acquisition of manipulative skills. Lectures are devoted to principles underlying chemical analysis, literature of analytical chemistry, precision, and sources of error. Lecture and laboratory.  
*Prerequisite: Chemistry 142. Four credit hours.*

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332 INSTRUMENTAL ANALYTICAL CHEMISTRY MR. SHATTUCK	<p>Theoretical and practical instruction in special instrumental methods. Laboratory work involves potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, gas chromatography, and radio chemistry. Lecture, discussion, and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 331, 342, and Mathematics 122 (may be taken concurrently with Chemistry 342). <i>Four credit hours.</i></p>
341, 342 PHYSICAL CHEMISTRY MR. SHATTUCK	<p>The laws governing the physical and chemical behavior of substances, emphasizing the theories and methods of physical chemistry and the application of physical chemical principles to the solution of problems. Lecture and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 331, Mathematics 122 (may be taken concurrently with Chemistry 341), and Physics 122. <i>Five credit hours.</i></p>
411 INORGANIC CHEMISTRY INSTRUCTOR	<p>Current models and concepts of inorganic chemistry, with emphasis on both structural and reaction aspects. Topics include bonding and structure, periodic properties, acid-base theories, nonaqueous solvents, applications of thermodynamics, coordination compounds, and selected areas of descriptive chemistry of current interest. Lecture and discussion.</p> <p><i>Prerequisite:</i> Chemistry 342. <i>Four credit hours.</i></p>
†[414] INORGANIC SYNTHESSES	<p>Syntheses and characterization of inorganic and organometallic compounds that are of interest in recent research studies. Laboratory.</p> <p><i>Prerequisite:</i> Chemistry 411. <i>One to three credit hours.</i></p>
[431] QUALITATIVE ORGANIC ANALYSIS	<p>The systematic identification of organic compounds. Lecture and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 332 and 342. <i>Four credit hours.</i></p>
432 ADVANCED ORGANIC CHEMISTRY MR. NEWTON	<p>Advanced topics, varied to suit the needs of the students: alicyclics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Lecture.</p> <p><i>Prerequisite:</i> Chemistry 242. <i>Two credit hours.</i></p>
434 ADVANCED PHYSICAL CHEMISTRY INSTRUCTOR	<p>Important topics in molecular structure and behavior are discussed from a semirigorous point of view. The material can be varied to suit the needs of the student in areas of elementary quantum mechanics, symmetry and group theory, molecular spectroscopy, and statistical mechanics. Lecture.</p> <p><i>Prerequisite:</i> Chemistry 342. <i>Three credit hours.</i></p>

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<p>447, 448 BIOCHEMISTRY MR. MAIER</p>	<p>Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 121, 122 are recommended as preparation. Lecture. <i>Prerequisite: Chemistry 242. Four credit hours.</i></p>
<p>467, 468 BIOCHEMISTRY MR. MAIER</p>	<p>Lecture and text material the same as 447, 448 but with laboratory sessions added. <i>Prerequisite: Chemistry 242. Five credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Laboratory work of a special (semiresearch) nature may be arranged with the instructor. Three to nine hours per week. <i>One to three credit hours.</i></p>
<p>494 SEMINAR IN BIOCHEMISTRY MR. MAIER</p>	<p>Reading and discussion of current literature, emphasizing a common theme in an emerging area of biochemistry. <i>Prerequisite: Chemistry 447 or 467 or permission of the department. Two credit hours.</i></p>

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## Chinese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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<p>121, 122 ELEMENTARY CHINESE MR. SO</p>	<p>Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. <i>Four credit hours.</i></p>
<p>123, 124 INTERMEDIATE CHINESE MR. SO</p>	<p>A continuation of Chinese 122, with greater emphasis on written Chinese. <i>Prerequisite: Chinese 122. Four credit hours.</i></p>
<p>321, 322 ADVANCED CHINESE MR. SO</p>	<p>Advanced readings in Chinese. Designed primarily for those students who have had substantial experience in a Chinese-speaking setting. <i>Prerequisite: Chinese 124 or permission of the instructor. Three or four credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY INSTRUCTOR</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite: Permission of the instructor. Two to four credit hours.</i></p>

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## Classics (IN TRANSLATION)

IN THE DEPARTMENT OF CLASSICS

*These courses require no knowledge of Latin or Greek. Attention is called also to courses in ancient history.*

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133  
MYTH AND LITERATURE  
MR. WESTERVELT

While the plots and characters of Greek literature are from the beginning drawn almost invariably from the realm of Greek mythology, the treatment of mythic material depends on the literary form to which it is adapted and the age for which it is written. Readings will focus on the development of a few well-known myths from the archaic age through the fifth century, and will include Homer's *Odyssey*, selections from the lyric poets, Pindar, and Bacchylides, and representative tragedies of Aeschylus, Sophocles, and Euripides. *Three or four credit hours.*

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\*232  
GREEK TRAGEDY  
MR. WESTERVELT

The development of tragedy as a dramatic form and its relationship to the contemporary changes in Athenian democracy. Readings will include major plays of Aeschylus, Sophocles, and Euripides, and the parody of tragedy in the *Frogs* of Aristophanes. *Three or four credit hours.*

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†[234]  
THE HEROIC IDEAL IN EARLY  
GREEK POETRY

Particular emphasis on Homer's *Iliad* and the odes of Pindar, with some attention to modifications of the heroic ideal that appear in Attic tragedy. *Three or four credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.  
*Prerequisite:* Permission of the instructor. *One to three credit hours.*

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## East Asian Studies

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual study of special problems in East Asian civilization, offered in the departments which participate in the program.  
*Prerequisite:* Permission of the instructor and the program director. *One to four credit hours.*

## EAST ASIAN STUDIES MAJOR

Attention is called to the major in East Asian studies, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

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## Economics

131d

PRINCIPLES OF MACROECONOMICS  
STAFF

Principles of macroeconomics and their applications to modern economic problems: national product and income accounting, monetary and fiscal policy, inflation, unemployment, and growth. *Three credit hours.*

132d

PRINCIPLES OF MICROECONOMICS  
STAFF

Principles of microeconomics and their applications to modern economic problems: prices, markets, monopoly power, income distribution, and problems of the environment. *Three credit hours.*

211

INTRODUCTION TO MATHEMATICAL  
ECONOMICS  
MR. HAGENS

Development and application of mathematical techniques commonly used in economics. Topics include national income determination and market models (analysis of systems of equations), comparative static analysis (differentiation), models of household and firm behavior (constrained optimization), growth models (integration), and input-output analysis (matrix algebra).

*Prerequisite:* Economics 131, 132 and Mathematics 121 or permission of the instructor. *Three credit hours.*

217, 218

SEMINARS: ECONOMIC ANALYSIS  
AND POLICY  
STAFF

The methods of economic analysis studied in Economics 131, 132 will be applied to various matters of current economic policy. Each section will consider different policy problems, examples of which might include the economics of warfare, welfare, the mystique of growth, law and economics, energy problems, economics of transport and location, poverty and discrimination, the economics of education and medicine, and radical economics, including a critique of "orthodox" economic theory and an extensive reading of the current literature in radical economics. A description of the topics offered by section will be available at registration. Formerly listed as Economics 311d.

*Prerequisite:* Economics 131, 132. *Three or four credit hours.*

\*231

INTRODUCTION TO  
ENVIRONMENTAL ECONOMICS  
MR. TIETENBERG

Designed primarily for nonmajors, this introductory survey course will use economic analysis to explain the underlying behavioral causes of environmental problems and the policy responses to them. Topics covered include air and water pollution, toxic substances, the alloca-

tion of exhaustible mineral resources, and the inevitability and desirability of limiting economic growth. Formerly listed as Economics 377.

*Prerequisite:* Economics 132. *Three or four credit hours.*

233d  
MACROECONOMIC THEORY  
STAFF

Analysis of the theories of national income determination, the factors affecting employment and the price level.

*Prerequisite:* Economics 131, 132. *Three credit hours.*

234d  
MICROECONOMIC THEORY  
STAFF

The theory of the pricing, distribution, and allocation of resources in a market economy. Emphasis will be placed on the various meanings of economic efficiency.

*Prerequisite:* Economics 131, 132. *Three credit hours.*

\*256  
UNIONS, COLLECTIVE BARGAINING,  
AND PUBLIC POLICY  
MR. DOOLEY

Structure and behavior of American unions. Development of public policy towards unions and collective bargaining. Impact of unions on relative earnings, unemployment, and inflation. Special topics include the resolution of industrial disputes, discrimination, and unionism in the public sector and white collar occupations. Formerly listed as Economics 356.

*Prerequisite:* Economics 131, 132. *Three or four credit hours.*

\*272  
EUROPEAN ECONOMIC HISTORY  
MR. GEMERY

The framework of economic analysis applied to European historical patterns and trends. Aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions. Formerly listed as Economics 372.

*Prerequisite:* Economics 131, 132. *Three or four credit hours.*

†[274]  
AMERICAN ECONOMIC HISTORY

The framework of economic analysis applied to American historical patterns and trends. Aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions. Formerly listed as Economics 374.

*Prerequisite:* Economics 131, 132. *Three or four credit hours.*

281, 282  
INTERNATIONAL ECONOMICS  
MR. HOGENDORN

The nature of international economic relations, including the theory of international trade, international monetary analysis, monetary reform, capital movements and unilateral transfers, commodity agreements and cartels, international economic organizations. Formerly listed as Economics 381, 382.

*Prerequisite:* Economics 131, 132. *Three or four credit hours.*



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- 292  
COMPARATIVE ECONOMIC  
SYSTEMS  
MR. HOGENDORN
- The basic types of economic systems, with special attention to problems of economic management, planning, and development. Emphasis is on western Europe, Japan, the Soviet Union, and China. Formerly listed as Economics 392.  
*Prerequisite: Economics 131, 132. Three or four credit hours.*
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- \*293  
ECONOMIC DEVELOPMENT  
MR. HOGENDORN
- The developing areas and their prospects for economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process. Formerly listed as Economics 333.  
*Prerequisite: Economics 131, 132. Three or four credit hours.*
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- 294  
URBAN AND REGIONAL ECONOMICS  
MR. TIETENBERG
- Economic forces that shape the size, structure, and growth of cities; an assessment of the nature of urban problems and the desirability of alternative solutions. Topics include urban transportation, housing, land use, racial conflict, and the current fiscal crisis. Formerly listed as Economics 334.  
*Prerequisite: Economics 131, 132. Three or four credit hours.*
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- 313  
TOPICS IN LAW AND ECONOMICS  
MR. TIETENBERG
- A seminar examining the common law and the legal system from the point of view of economic theory. The focus is on the effect of the legal system on allocation of resources, both as a substitute for and a complement to the market system. Specific topics to be examined include: the definition and allocation of property rights, the assignment of liability for accidents and defective products, and the effects on the criminal justice system of plea bargaining and the bail system. Formerly listed as Economics 413.  
*Prerequisite: Economics 132 and 234. Three credit hours.*
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- †[314]  
ECONOMICS OF POPULATION
- Application of economic analysis to the study of the size and characteristics of human populations; interrelation between economic and population growth in lesser-developed and developed countries; analysis of marital and fertility patterns in the United States, with emphasis on the changing economic role of women; related public policy issues, such as welfare reform, sexual discrimination, and education.  
*Prerequisite: Economics 131, 132, 234. Three or four credit hours.*
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- 331  
INDUSTRIAL ORGANIZATION AND  
ANTITRUST ECONOMICS  
MR. MEEHAN
- An examination of the structure, conduct, and performance of American industries to determine if the market process efficiently allocates resources to meet consumer demand. An economic analysis of the antitrust laws and an evaluation of their performances. Reference will be made to specific industries and cases.  
*Prerequisite: Economics 131, 132, 234. Three or four credit hours.*

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- 332**  
**REGULATED INDUSTRIES**  
MR. MEEHAN
- An examination of specific regulated markets and the rationale for regulation in each. The economic effects of regulation on price, cost of production, and quality of product or service will be explored. The success of regulation will be evaluated relative to the market outcome that would be expected in the absence of regulation.
- Prerequisite:* Economics 131, 132, 234. *Three or four credit hours.*
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- 338**  
**MONEY, BANKING, AND MONETARY POLICY**  
MR. CHRISTIANSEN
- Monetary theory and the banking system of the United States, including problems of money and prices, proper organization and functioning of commercial banking and Federal Reserve systems, monetary standards, and credit control. Analysis, description, and evaluation of monetary policies and their administration. Recent monetary and banking trends. Criteria for appraising monetary performance.
- Prerequisite:* Economics 131, 132, 233. *Three credit hours.*
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- 351**  
**PUBLIC FINANCE**  
MR. HAGENS
- Economics of the public sector. Topics include trends in and theories of government spending, externalities, voting mechanisms, social security, welfare programs, tax structure, and tax reform.
- Prerequisite:* Economics 131, 132, 234. *Three or four credit hours.*
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- 352**  
**FISCAL POLICY**  
MR. HAGENS
- The effects of fiscal policy on resource allocation, economic growth, inflation, unemployment, and the public debt. Theory and development of fiscal policy in a federal system.
- Prerequisite:* Economics 131, 132, 233. *Three or four credit hours.*
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- 355**  
**LABOR MARKET ECONOMICS**  
MR. DOOLEY
- Wage determination and allocation of human resources in union and nonunion labor markets. Theories of labor supply, labor demand, and human capital investment. Related public policy issues, such as minimum wage laws, income maintenance, and discrimination. Impact of collective bargaining. Inflation, unemployment, and macroeconomic policy.
- Prerequisite:* Economics 131, 132, 234. *Three or four credit hours.*
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- †[379]  
**SEMINAR IN ENVIRONMENTAL ECONOMICS**
- Current theoretical and empirical contributions to the field of environmental economics. Topics include economic incentives for environmental improvement, environmental control and economic growth, the theory of depletable resources, and the effects of environmental control on the new international economic order.
- Prerequisite:* Economics 131, 132, 234. *Three or four credit hours.*

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<p>391d ANALYTICAL RESEARCH PAPER IN ECONOMICS STAFF</p>	<p>An analytical, not descriptive, research paper in economics, to be coordinated with an economics course numbered above 250 in which the student is concurrently enrolled. Required of all economics majors beginning with the class of 1982. <i>Prerequisite:</i> Permission of the instructor. <i>One credit hour.</i></p>
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<p>394 ECONOMETRICS MR. CHRISTIANSEN</p>	<p>Introduction to applied econometrics. Parameter estimation, inference, and hypothesis testing. Problems of designing econometric models. <i>Prerequisite:</i> Economics 131, 132; either Economics 223 or 234; either Mathematics 241 or Mathematics 381. <i>Three credit hours.</i></p>
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<p>431 HISTORY OF ECONOMIC THOUGHT MR. GEMERY</p>	<p>An examination and appraisal of the development of economic theory. Major writing from the mercantilist period through the Keynesian is included. Extensive use of source material. <i>Prerequisite:</i> Economics 233, 234 and senior standing. <i>Three credit hours.</i></p>
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<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Independent study devoted to a topic chosen by the student with the approval of the department. Students may be invited by the department to prepare a thesis in the second term, successful completion and defense of which will result in the degree being awarded "with honors in economics." <i>Prerequisite:</i> Senior standing as economics major. <i>One to four credit hours.</i></p>
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<p>494 SENIOR SEMINAR STAFF</p>	<p>A workshop in economics research. Each meeting of this seminar will focus on the current research of a faculty member, an outside speaker, or a student member of the workshop. Each student will be expected to contribute to the general discussions of these research presentations and to lead a seminar on his/her own research. <i>Prerequisite:</i> Senior standing and department approval of a research proposal. <i>Three credit hours.</i></p>

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## Education

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<p>213 SOCIOLOGY OF EDUCATION MR. JACOBSON</p>	<p>A comparative study of the role of the school in society, employing extensive reading and social science research tools in education. The focus is on the United States: the organization, control, and politics</p>
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of education; the teaching profession; and the elementary school in context. Active student participation required in problem-solving teaching exercises. Prerequisite to Education 431. See also Education 253.

*Prerequisite:* A cumulative grade point average of 2.5 or higher and permission of the instructor. *Three credit hours.*

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253, 254  
FIELD EXPERIENCE IN EDUCATION  
MRS. MAVRINAC

Five hours weekly to be served as an assistant teacher in a local elementary school; written exercises and evaluations via individual and group projects. Education 253, 254, or a January field experience prerequisite to Education 431. Nongraded.

*Prerequisite:* Permission of the instructor. Flexible credit. *Two or three credit hours.*

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255d  
CHILD DEVELOPMENT  
MR. ZOHNER

Listed as Psychology 255 (q.v.). See also Education 253, 254. *Three credit hours.*

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256  
ADOLESCENT AND ADULT  
DEVELOPMENT  
MR. ZOHNER

Listed as Psychology 256 (q.v.). Prerequisite to Education 431. See also Education 254. *Three credit hours.*

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273, 274  
FIELD EXPERIENCE IN EDUCATION  
MRS. MAVRINAC

Five hours weekly to be served as an assistant teacher in a preschool setting; written exercises and evaluations via individual and group projects. Nongraded.

*Prerequisite:* Permission of the instructor. Flexible credit. *Two or three credit hours.*

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333  
PHILOSOPHY OF EDUCATION  
MR. HUDSON

Listed as Philosophy 333 (q.v.). Prerequisite to Education 431. See also Education 353. *Three or four credit hours.*

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336  
HISTORY OF THE AMERICAN  
SCHOOL  
MR. JACOBSON

A chronological survey of the reciprocal relationship between the school and society, exploring the role of school, family, and community in transmitting the culture across the generations. The focus is on the origins and evolution of the common school, the academy, the public high school, and higher education. Extensive reading and active student participation are required in problem-solving teaching exercises. Prerequisite to Education 431. See also Education 354. *Three credit hours.*

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353, 354

FIELD EXPERIENCE IN EDUCATION

MRS. MAVRINAC

Five hours weekly to be served as an associate teacher in a local junior high school; written exercises and evaluations via individual and group projects. Education 353, 354, or a January field experience prerequisite to Education 431. Nongraded.

*Prerequisite:* A major commonly taught in secondary school, and permission of the instructor. Flexible credit. *Two or three credit hours.*

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373, 374

FIELD EXPERIENCE IN EDUCATION

MRS. MAVRINAC

Five hours weekly to be served as an assistant teacher in special education at an area facility; written exercises and evaluations via individual and group projects. Nongraded.

*Prerequisite:* Permission of the instructor. Flexible credit. *Two or three credit hours.*

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411

THE TEACHING OF ENGLISH OR  
MODERN FOREIGN LANGUAGES

STAFF

Listed as English 411 or Modern Foreign Languages 411 (q.v.). Required of majors who desire the secondary-school-teaching certificate. *Three credit hours.*

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431

STUDENT TEACHING: THEORY  
AND PRACTICUM

MR. JACOBSON

General secondary-school curricula, methods, and materials. Full-time teaching required in January. Required for certification. See also Education 453. Nongraded.

*Prerequisite:* A B or higher average in certification courses and in a major commonly taught in secondary school, and permission of the instructor and the chairman of the student's major department. *Three credit hours.*

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432

STUDENT TEACHING

MR. JACOBSON

Advanced study of teaching and learning in the secondary school, centering on the teaching of reading in content areas, education of the handicapped, the professional association, and an individualized reading program in special methods and materials used to teach the subject field. Extensive reading and active student participation required in problem-solving teaching exercises. Required for certification. See also Education 476. Nongraded.

*Prerequisite:* Successful completion of Education 431, 453. *Three credit hours.*

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453, 454

FIELD EXPERIENCE IN EDUCATION

MRS. MAVRINAC

Five hours weekly to be served as an associate teacher in a local high school; written exercises and evaluations via individual and group projects. 453 required. Nongraded.

*Prerequisite:* A major commonly taught in secondary school, and

permission of the instructor. Flexible credit. *Two or three credit hours.*

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473, 474  
FIELD EXPERIENCE IN EDUCATION  
MRS. MAVRINAC

Five hours weekly to be served as an assistant teacher in a local adult education program; written exercises and evaluations via individual and group projects. Nongraded.

*Prerequisite:* Permission of the instructor. Flexible credit. *Two or three credit hours.*

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476  
INTERNSHIP IN STUDENT  
TEACHING  
MR. JACOBSON

An advanced, field-based analysis of teaching/learning in the secondary school via observation and teaching. The intern may teach one, two, or three classes daily under the supervision of area school and college personnel. Weekly seminar and individual conferences. Optional. Nongraded.

*Prerequisite:* Permission of the instructor. Flexible credit. *Three to six credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Independent study of advanced topics and areas of individual interest.

*Prerequisite:* Permission of the instructor. *One to three credit hours.*

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## English

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111, 112  
ENGLISH FUNDAMENTALS  
INSTRUCTOR

Tutorial aid and intensive drill in the fundamentals of written English for those whose native language is not English or whose training in English is limited. Nongraded.

*Prerequisite:* Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111 or 112. *Three credit hours.*

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115  
ENGLISH COMPOSITION  
MR. HARRIS AND OTHERS

Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for freshmen unless exempted. *Three credit hours.*

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117, 118  
CREATIVE WRITING  
MR. SADOFF AND OTHERS

Introduction to the writing of poetry and fiction, with emphasis on student manuscripts.

*Prerequisite:* English 115 or exemption. *Three credit hours.*

152 INTRODUCTION TO LITERATURE MRS. KENNEY AND OTHERS	Poetry, prose, and drama from different times and cultures. <b>Topics</b> and texts will vary from section to section, but all sections will emphasize close reading, detailed analysis of imaginative literature, and careful critical writing. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i>
[215, 216] INTERMEDIATE EXPOSITORY WRITING WORKSHOPS	Workshops for students wishing to improve their ability to write. Student papers will be presented for workshop criticism so that they may be revised. Focus will be on problems of development and rhetorical structure. Enrollment limited. <i>Prerequisite:</i> English 115. <i>Three credit hours.</i>
221, 222 MAJOR BRITISH WRITERS MR. KENNEY AND OTHERS	An introduction to British literature, with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. First semester: <i>Beowulf</i> through Milton. Second semester: Dryden to the beginnings of the modern movement. <i>Three credit hours.</i>
251d MAJOR AMERICAN WRITERS I MR. BRANCACCIO AND OTHERS	An introduction to American literature—the Puritans to the Civil War—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. <i>Three credit hours.</i>
252d MAJOR AMERICAN WRITERS II MR. BASSETT AND OTHERS	An introduction to American literature—the Civil War to the modern period—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. <i>Three credit hours.</i>
271 GENERAL SPEECH MR. WITHAM	Fundamental principles of the composition and oral delivery of speeches. Enrollment limited; preference given to sophomores. <i>Two credit hours.</i>
272 ARGUMENTATION AND DEBATE MR. WITHAM	Principles of argumentation, with application in extended persuasive speeches and formal debate. Enrollment limited; preference given to seniors and juniors. Formerly listed as English 271. <i>Three credit hours.</i>
275 THE ART OF THE NARRATIVE FILM MR. SUSS	The elements of structure, characterization, imagery, and style as they contribute to the awareness of meaning and to aesthetic response in various classic examples of filmmaking. <i>Three credit hours.</i>

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- \*276**  
DANTE IN TRANSLATION  
MR. MACKAY
- The *Vita Nuova* and the *Divine Comedy*, drawing upon the philosophy, theology, art, and literature of the period. No knowledge of Italian required. *Three credit hours.*
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- \*278**  
ITALIAN FICTION AND FILM  
MR. BRANCACCIO
- The fall of fascism and postwar Italy as interpreted by Italian writers and filmmakers. Readings in translation will be drawn from the works of Levi, Silone, Pavese, Vittorini, Lampedusa, and Calvino. Films will include work of Rossellini, de Sica, Fellini, Visconti, Antonioni, and others. *Three credit hours.*
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- 315, 316**  
ADVANCED EXPOSITORY WRITING  
WORKSHOPS  
MR. KOONCE
- Workshops for students wishing to improve their ability to write on topics studied in other courses. Student papers will be presented for workshop criticism so that they may be revised. Focus on problems of stylistic consistency and force. May be repeated for additional credit.  
*Prerequisite:* English 115 and permission of the instructor. *One to three credit hours.*
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- 317**  
INTERMEDIATE FICTION WORKSHOP  
MR. SADOFF
- Practice in the writing of short stories, with major emphasis on student manuscripts.  
*Prerequisite:* English 117 or 118 or permission of the instructor. *Three credit hours.*
- 
- 318**  
INTERMEDIATE POETRY WORKSHOP  
MR. SADOFF
- Practice in the writing of poetry, with major emphasis on student manuscripts.  
*Prerequisite:* English 117 or 118 or permission of the instructor. *Three credit hours.*
- 
- 331**  
THE MIDDLE AGES  
MS. MANNOCCI
- The development of western European literature in the context of medieval intellectual and cultural history. Major English and continental works from such genres as epic, romance, allegory, and lyric will be studied from a comparative point of view. Special attention will be devoted to selected works of Chaucer and Dante that are especially representative of medieval thought. *Three credit hours.*
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- 332**  
THE RENAISSANCE  
MR. BENBOW
- The influence of Renaissance and Reformation thought on the literature of the English Renaissance. Readings will be drawn from the intellectual backgrounds, Spenser, selected plays of the early sixteenth century and of Marlowe, Kyd, Shakespeare, Tourneur, and Webster. *Three credit hours.*
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- 333**  
THE SEVENTEENTH CENTURY  
MR. KOONCE
- Poetic and intellectual traditions in the late sixteenth and seventeenth centuries as represented by Shakespeare, Donne, Milton, Dryden, and selected minor poets. *Three or four credit hours.*



334 RESTORATION LITERATURE MR. SWENEY	The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. Formerly listed as English 433. <i>Three credit hours.</i>
*335d2 THE ROMANTIC PERIOD I MR. MIZNER	The poetry and criticism of Wordsworth, Coleridge, and Keats designed to explore the political, conceptual, and imaginative coherence of romanticism. <i>Three credit hours.</i>
†[336] THE ROMANTIC PERIOD II	Byron and the Byronic hero. <i>Three credit hours.</i>
†[337] MODERN BRITISH LITERATURE	The origins, nature, and achievements of the modern movement in England and Ireland. The major authors in 1978-79 were Yeats, Eliot, and Joyce. <i>Three credit hours.</i>
339d2 MODERN BRITISH FICTION MR. KENNEY	Representative British novels of the twentieth century by such writers as Conrad, Ford, Lawrence, Woolf, Forster, Waugh, Greene, and Lessing. <i>Three credit hours.</i>
†[351] THE AMERICAN RENAISSANCE I	The major works of Poe, Hawthorne, and Melville. <i>Three credit hours.</i>
352 THE AMERICAN RENAISSANCE II MR. BRANCACCIO	The major works of Emerson, Thoreau, and Whitman. <i>Three credit hours.</i>
353 AMERICAN REALISM AND NATURALISM MR. KENNEY	Major works by Twain, Howells, James, Crane, and others in the context of traditions of the novel, and critical theories of the art and purpose of fiction. <i>Three credit hours.</i>
355 BLACK AMERICAN LITERATURE INSTRUCTOR	The major writing of Black Americans, with emphasis on the fiction and poetry of the twentieth century. <i>Three credit hours.</i>
356 MODERN AMERICAN FICTION MR. BASSETT	Major works of American fiction since 1920—by Faulkner, Hemingway, Fitzgerald, Dos Passos, Steinbeck, Mailer, Nabokov, Bellow, and others—will be analyzed, emphasizing the pattern of experience of the protagonist in conflict with the modern world. <i>Three credit hours.</i>
357 AMERICAN POETRY MRS. HARRIS	An analysis of the works of major American poets of the nineteenth and twentieth centuries, including Whitman, Dickinson, Frost, Pound, Eliot, and Stevens. <i>Three credit hours.</i>

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<p>358 CONTEMPORARY AMERICAN POETRY MR. SADOFF</p>	<p>American poetry since 1960: a study of influences (the rise of internationalism, the return to forms, historical and political consciousness), aesthetic documents, and representative volumes of poetry—the deep-image and surrealist schools, the New York School, the new formalists, the political and ethnic poets, including Ashbery, Rich, Strand, Wright, Gluck, and others. <i>Three credit hours.</i></p>
<p>359 EARLY AMERICAN AUTHORS MR. BASSETT</p>	<p>Selected prose and poetry from the Puritan period, the Age of Reason, and the preromantic movement in American literature. <i>Three credit hours.</i></p>
<p>371 THE AGE OF POPE AND SWIFT MR. SWENEY</p>	<p>Selected works by Defoe, Addison, Gay, Swift, Pope, Fielding, and other major British writers of the first half of the eighteenth century. <i>Three credit hours.</i></p>
<p>372 FROM JOHNSON THROUGH BLAKE MR. SUTHERLAND</p>	<p>Selected works by Johnson, Boswell, Sterne, Gray, Smart, Blake, and other major British writers of the second half of the eighteenth century. <i>Three or four credit hours.</i></p>
<p>*373 THE DEVELOPMENT OF DRAMATIC ART I MR. SUSS</p>	<p>Discussion of typical plays of the western world in the context of conditions and conventions of performance from Greek and Roman times through the Middle Ages and the early Renaissance. <i>Three credit hours.</i></p>
<p>*374 THE DEVELOPMENT OF DRAMATIC ART II MR. SUSS</p>	<p>A sequel to English 373, from the later Renaissance through the neoclassic and romantic periods to the beginnings of realism in the nineteenth century. There will be a brief collateral examination of the theater of the Orient. <i>Three credit hours.</i></p>
<p>[375] MODERN DRAMA I</p>	<p>Discussion of typical plays of Europe and America in the context of conditions and conventions of performance, emphasizing the works of Ibsen, Chekhov, and Strindberg. <i>Three credit hours.</i></p>
<p>[376] MODERN DRAMA II</p>	<p>A sequel to English 375, emphasizing plays of the contemporary American and French theaters. The concepts of modern theater theoreticians and practitioners like Antonin Artaud and Jerzy Grotowski will be examined collaterally. <i>Three credit hours.</i></p>
<p>377 VICTORIAN LITERATURE I MISS CURRAN</p>	<p>The development of new forms, voices, and subjects in the fiction and poetry of the Victorian period—including the installment novel, the dramatic monologue, sprung rhythm, etc. Thackeray, Dickens, and Hardy; Tennyson, Browning, and Hopkins; Shaw. <i>Three credit hours.</i></p>

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- 378  
VICTORIAN LITERATURE II  
MISS CURRAN
- The self in Victorian literature—in direct autobiography, veiled autobiography, and fiction. Reading will include the autobiographies of Mill and Newman, novels by the Brontës, George Eliot, and Samuel Butler; poetry and essays by Arnold and others. *Three credit hours.*
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- 379  
BLAKE  
MR. SUTHERLAND
- Close reading of a wide selection of Blake's illuminated poems. Facsimiles and slides will be used in order to emphasize visual aspects of Blake's work. *Three or four credit hours.*
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- 383, 384  
STUDIES IN SHAKESPEARE  
MR. BENBOW
- Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. Enrollment limited. *Prerequisite: English 221. Three credit hours.*
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- †[391]  
CHAUCER
- A brief review of the *Canterbury Tales*; an intensive study of *Troilus and Criseyde*; and selections from the *Parliament of Fowls*, the *House of Fame*, and the shorter poems. *Three credit hours.*
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- †[392]  
SIDNEY AND SPENSER
- The major works of these two authors, including Sidney's *Astrophil and Stella*, *Apology for Poetry*, and *Arcadia*, and Spenser's *Shepherd's Calendar*, *Faerie Queene*, and *Mutability Cantos*. Selected works by other authors such as Petrarch and Ariosto will also be read in an attempt to develop the Renaissance background of Sidney and Spenser and to understand the influences that helped shape their thought. *Three credit hours.*
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- 394  
MILTON  
MR. KOONCE
- The poetry and major prose of John Milton. *Three credit hours.*
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- 411  
THE TEACHING OF ENGLISH  
INSTRUCTOR
- Tutorials with individual members of the department about current issues, problems, and methods in the teaching of English. Students and tutors will plan each student's practice teaching, and the tutor will occasionally visit his or her classroom. Nongraded. *Prerequisite: Concurrent enrollment in Education 441 or permission of the instructor. Three credit hours.*
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- 417  
ADVANCED POETRY WORKSHOP  
MR. SADOFF
- Practice in the writing of poetry, with major emphasis on student manuscripts. May be repeated once for additional credit. *Prerequisite: English 317 or 318 or permission of the instructor. Three credit hours.*

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418 ADVANCED FICTION WORKSHOP MR. SADOFF	Practice in the writing of short stories and longer fiction, with major emphasis on student manuscripts. May be repeated once for additional credit. <i>Prerequisite:</i> English 317 or 318 or permission of the instructor. <i>Three credit hours.</i>
431d2 HISTORY OF LITERARY CRITICISM MR. HARRIS	Principles and history of literary criticism, ancient through modern, with special attention to Plato, Aristotle, Coleridge, and Eliot. Formerly listed as English 377. <i>Three or four credit hours.</i>
432 HISTORY OF THE ENGLISH LANGUAGE MR. MACKAY	A brief study of the mechanism of speech—primarily to explain the connections between western European Romance and Germanic languages—followed by an examination of the major historical, social, literary, and linguistic reasons for changes in the sound, grammar, spelling, inflection, syntax, and vocabulary of the language from the Anglo-Saxon period to modern American English. Formerly listed as English 378. <i>Three or four credit hours.</i>
†[436] AFRICAN PROSE	Fiction and autobiography dealing with such themes as African traditional culture and the coming of colonialism, the struggle for independence and the problems of development, and the reactions of Africans to the United States. Readings will be restricted to the works of authors writing in English, such as Chinua Achebe, Exekiel Mphahlele, Peter Abrahams, James Ngugi, Stamlake Samkange, and Bessie Head. <i>Three credit hours.</i>
437 THE LITERATURE OF EXISTENTIALISM MR. MIZNER	Readings in the novel and the drama of Russia, Germany, France, and the United States, from Dostoevski to Walker Percy. <i>Three credit hours.</i>
[472] ORAL INTERPRETATION	Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Consent of a project adviser and permission of the chairman. <i>One to four credit hours.</i>

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493, 494  
SEMINARS IN BRITISH AND  
AMERICAN LITERATURE  
STAFF

Topics will change each semester, and a complete description will be published before registration. *Three or four credit hours.*

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## Field Experience

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-95, -96  
FIELD EXPERIENCE

Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Flexible credit. Nongraded, credit or no entry, unless otherwise stipulated in project proposal.

*Prerequisite:* Approval of department or program committee. *One to fifteen credit hours.*

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## French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 124 are conducted in French. French 142 or permission of the instructor is required for all courses numbered 200 or higher.*

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115d  
PRACTICAL PHONETICS  
MR. FERGUSON

Phonetic analysis and transcription, using the international phonetic alphabet as applicable to French. Taped and printed exercises will focus on individual handicaps. The goal of the course is correct oral interpretation of a prose text in French. Enrollment limited to 10. Does not fulfill language requirement. Nongraded.

*Prerequisite:* Concurrent enrollment in any-level French course or previous training equivalent to one year of college French; preference given to the former. *Two credit hours.*

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119  
INTERMEDIATE FRENCH GRAMMAR  
STAFF

An optional, supplementary course at the intermediate level, offering a systematic review of grammar and additional practice in written exercises. Enrollment limited.

*Prerequisite:* Concurrent enrollment in French 123. *One credit hour.*

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121, 122  
ELEMENTARY FRENCH  
STAFF

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

123, 124 INTERMEDIATE FRENCH STAFF	An intensive review of the audio-lingual skills and the grammar of spoken French, with regular work scheduled in the language laboratory, followed by an introduction to the techniques of reading for direct comprehension, both intensively and extensively. See also French 119. <i>Prerequisite:</i> French 122 or appropriate score on the CEEB achievement test. Permission of the department required to take 124 without 123. <i>Three credit hours.</i>
131 CONVERSATION AND COMPOSITION STAFF	Intensive practice in oral and written composition. <i>Prerequisite:</i> French 124 or appropriate CEEB score. <i>Three credit hours.</i>
141, 142 INTRODUCTION TO FRENCH LITERATURE STAFF	Introduction to the reading of French literature using selected prose, poetry, and theater. Emphasis on class reading, discussion, and composition. <i>Prerequisite:</i> French 124 or three years of high school French and appropriate CEEB score. Qualified students may be admitted to the second semester without the first. <i>Four credit hours.</i>
172 FRENCH FILM MR. GREENSPAN	A historical overview of French cinema as technology, as industry, as art; an introduction to the technique of filmmaking; and the close analysis of selected works representative of the principal schools of film and filmmaking. All films will have English subtitles. Conducted basically in English; no knowledge of French required. Augmented credit of one hour available with addition of one meeting per week conducted in French, with papers to be written in French. Does not satisfy the college language requirement. <i>Three or four credit hours.</i>
223, 224 FRENCH CIVILIZATION MR. REITER	The evolution of French society and culture from the Middle Ages to the present. Historical as well as literary and scientific readings will be used to illustrate social and intellectual attitudes. <i>Three or four credit hours.</i>
231d ADVANCED FRENCH MR. FILOSOF	A review of French grammar at the advanced level, with frequent <i>thèmes, versions</i> , and free composition. <i>Prerequisite:</i> French 131, 141 or 142 or appropriate CEEB score. <i>Three credit hours.</i>
[235] QUÉBEC IN TRANSITION	The evolution of French Canada based on both literary and non-literary texts, tracing the transition of French-Canadian society from its rural beginnings to the modern cosmopolitan province of Québec.

Topics will include agriculturalism, early nationalist movements, French-Canadian migration to New England, urbanization, the language question, and the Parti Québécois. Conducted basically in English; no knowledge of French required. Augmented credit of one hour available with addition of one meeting per week conducted in French and based on readings in French. *Three or four credit hours.*

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241, 242 CONTEMPORARY FRENCH LITERATURE MR. GREENSPAN AND MR. REITER	An introduction to modern literature through some of the themes that have inspired novels, poetry, and drama. Non-French majors may choose to write papers and examinations in English. <i>Four credit hours.</i>
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[251] INTRODUCTION TO FRENCH- CANADIAN LITERATURE	A survey of important literary works from the province of Québec, focusing on contemporary authors. Non-French majors may choose to write papers and examinations in English. <i>Four credit hours.</i>
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*297 THE SEVENTEENTH-CENTURY THEATER IN FRANCE AND SPAIN: A SOCIOLITERARY DOCUMENT MR. FILOSOFF AND MR. CAUZ	Literary and social analysis of representative works of French and Spanish dramatists of the <i>Grand Siècle</i> and <i>Siglo de Oro</i> . Readings of French works will be in the original, and Spanish works in their French translation. <i>Four credit hours.</i>
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†[345, 346] THE EIGHTEENTH CENTURY	Intellectual and literary developments of the eighteenth century, with major emphasis on the <i>philosophes</i> . Some readings in the novel and theater. <i>Three or four credit hours.</i>
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355d2 TOPICS IN SEVENTEENTH-CENTURY FRENCH LITERATURE MR. FERGUSON	Nondramatic literature of the classical period. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
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357 TOPICS IN NINETEENTH-CENTURY FRENCH POETRY MR. BUNDY	Poetry and theater of the romantic period. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
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358 TOPICS IN NINETEENTH-CENTURY FRENCH LITERATURE MR. BUNDY	Representative works of the major nineteenth-century novelists: Stendhal, Balzac, Flaubert, and Zola. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>

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<p>412 ADVANCED COMPOSITION AND STYLISTICS MR. FILOSOF</p>	<p>Characteristics of French style as seen in various authors. Representative readings, compositions, translations, and introductory work in the history of the language. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p>
<p>493, 494 SEMINAR IN FRENCH LITERATURE MR. REITER AND MS. SHAW</p>	<p>Topics may cover an author, a genre, or a literary movement. The topic for fall 1979 will be the history of the French language; the topic for spring 1980 will be Baudelaire. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
<p>499d LANGUAGE TEACHING STAFF</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p>

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## Geology

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<p>141e, 142 INTRODUCTION TO GEOLOGICAL SCIENCE MR. KOONS</p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes; laboratory and field sessions. Enrollment limited to three laboratory sections of 25 to 30 students; recommended for those planning to major in geology or environmental studies. Lecture and laboratory. <i>Four credit hours.</i></p>
<p>161, 162 PROBLEMS IN GEOLOGY MR. PESTANA</p>	<p>Selected topics related to a central theme of geologic time. Most of the topics involve laboratory work in the gathering and interpretation of geological data. Designed for nonmajors. Satisfies the laboratory science distribution requirement. Enrollment limited. <i>Three credit hours.</i></p>
<p>172 OCEANOGRAPHY MR. PESTANA</p>	<p>A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents, and other important dynamic features; the nature of ocean life. The value of the oceans</p>



for food and physical resources will be discussed. Lecture. *Three credit hours.*

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[174]  
OCEANOGRAPHY LABORATORY

Laboratory exercises in oceanography and a field trip to the sea-shore. Enrollment limited to 25 students.  
*Prerequisite:* Concurrent enrollment in Geology 172 and permission of the instructor. *One credit hour.*

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215  
MINERALOGY  
MR. ALLEN

Physical properties and chemical structure of minerals leading to investigation of the chemical composition and optical properties of minerals. Lecture and laboratory.  
*Prerequisite:* Geology 141, and Chemistry 141 (may be taken concurrently) or permission of the instructor. *Four credit hours.*

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[234]  
ROCKS IN HAND SPECIMEN

Identification and description of rocks in hand specimen, and study of the modes of formation. Igneous, sedimentary, and metamorphic rocks are considered systematically. Field occurrences will be emphasized whenever possible. Lecture and laboratory.  
*Prerequisite:* Geology 142 (may be taken concurrently) and permission of the instructor. *Four credit hours.*

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241, 242  
FIELD METHODS AND STRUCTURAL GEOLOGY  
MR. ALLEN

First semester: surface and subsurface mapping techniques applied to geological problems. Second semester: structural geology, including a study of mechanical deformation of rocks, microfibrils, primary structures, structural associations with plate tectonics.  
*Prerequisite:* Geology 142. *Four credit hours.*

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251  
INVERTEBRATE PALEONTOLOGY  
MR. PESTANA

Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory.  
*Prerequisite:* Geology 142 or 161 or one year of biology. *Four credit hours.*

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252  
MICROPALEONTOLOGY  
MR. PESTANA

A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation.  
*Prerequisite:* Geology 251 or permission of the instructor. *One to four credit hours.*

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254  
ADVANCED INVERTEBRATE PALEONTOLOGY  
MR. PESTANA

A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, age determination, and environmental interpretation.  
*Prerequisite:* Geology 251 or permission of the instructor. *One to four credit hours.*

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†[292] METEOROLOGY	Physical properties of the atmosphere, the origin and classification of weather types, air mass analysis and principles of prediction, and meteorology of air quality. Does not satisfy the science requirement. Lecture. <i>Two credit hours.</i>
311 SEDIMENTATION MR. PESTANA	Processes of sedimentation, methods of analysis of sediments, the description and interpretation of environments of deposition, and the classification and description of sedimentary rocks. Lecture and laboratory. <i>Prerequisite:</i> Geology 142 and 215. <i>Four credit hours.</i>
*323, 324 MAP INTERPRETATION AND GEOMORPHOLOGY OF THE UNITED STATES MR. KOONS	Origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States. Lecture and laboratory. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i>
†[371] GLACIAL GEOLOGY	The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field-mapping problem will be assigned. Lecture and laboratory. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i>
374 ORE DEPOSITS MR. ALLEN	An investigation of the genesis and localization of ore deposits. Topics may include the history of mineral deposits, materials and formation of ore deposits, supergene sulfide enrichment, paragenesis and zoning, epigenetic versus syngenetic deposits, magmatic segregation deposits and mineral deposits related to regional tectonic environments. <i>Prerequisite:</i> Geology 215 and Chemistry 141. <i>Three credit hours.</i>
381, 382 OPTICAL MINERALOGY; IGNEOUS AND METAMORPHIC PETROLOGY MR. ALLEN	First semester: determination of mineral composition and properties by means of petrographic microscope and emission spectrograph. Second semester: hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. May be taken for credit in addition to Geology 234. Lecture and laboratory. <i>Prerequisite:</i> Geology 215. <i>Four credit hours.</i>
452 STRATIGRAPHY MR. PESTANA	Principles of stratigraphy. Includes a study of the relationships and correlation of sedimentary rocks. Laboratories include work with index fossils and a detailed analysis and correlation of well samples. Lecture and laboratory. <i>Prerequisite:</i> Geology 251 and 311. <i>Four credit hours.</i>

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483, 484  
ENVIRONMENTAL GEOLOGY  
MR. KOONS

Selected topics dealing with environmental quality. Extensive individual investigation.  
*Prerequisite:* Permission of the instructor. *Three or four credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Field and laboratory problems in geology or environmental problems, with regular reports and a final written report.  
*Prerequisite:* Permission of the instructor. *One to four credit hours.*

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## German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 124 are conducted in German. German 242 or permission of the instructor is required for all higher-numbered German courses.*

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121, 122  
ELEMENTARY GERMAN  
STAFF

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

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123, 124  
INTERMEDIATE GERMAN  
STAFF

Continued practice in the oral-aural skills; increasing emphasis on reading and writing through use of modern prose and poetry. These studies, and the review of grammar, are supplemented with drill work in the laboratory.  
*Prerequisite:* German 122 or two years of high school German and appropriate score on the placement test. Permission of the department required to take 124 without 123. *Four credit hours.*

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131  
CONVERSATION AND COMPOSITION  
STAFF

Language review, with emphasis on oral expression, written composition, and vocabulary development.  
*Prerequisite:* German 124 or permission of the instructor. *Three credit hours.*

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223, 224  
GERMAN CULTURAL TRADITIONS  
MR. MCINTYRE

A chronological survey of German history from the rise of the barbarian tribes to the fall of Hitler will serve as the background for a discussion of current trends in the German-speaking countries of Europe. Separate sections in German and English.

*Prerequisite:* German 124 for students desiring credit toward a German major. No prerequisite for section in English. *Three credit hours.*

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<p>232 ADVANCED GERMAN MR. KUETER</p>	<p>A review of German grammar at the advanced level, with directed themes and free compositions. <i>Prerequisite:</i> German 131 or 241. <i>Three or four credit hours.</i></p>
<p>241, 242 MASTERPIECES OF GERMAN LITERATURE INSTRUCTOR</p>	<p>Introduction to German literature through readings of selected masterpieces illustrative of major literary movements. <i>Prerequisite:</i> German 124 or equivalent. <i>Three credit hours.</i></p>
<p>353 TOPICS IN EIGHTEENTH-CENTURY GERMAN LITERATURE MR. REYNOLDS</p>	<p>Literature of the classical period: Gottsched, Lessing, Goethe, and Schiller. <i>Three credit hours.</i></p>
<p>†[355] TOPICS IN NINETEENTH-CENTURY GERMAN LITERATURE</p>	<p>The German romantic movement. <i>Three or four credit hours.</i></p>
<p>†[358] TOPICS IN TWENTIETH-CENTURY GERMAN LITERATURE</p>	<p>German literature after 1925. Emphasis on Thomas Mann and Herman Hesse. <i>Three or four credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p>
<p>493, 494 SEMINAR IN GERMAN LITERATURE MR. KUETER AND MR. REYNOLDS</p>	<p>Topics, which change each semester, may cover an author, a genre, or a literary movement. The topic for fall 1979 will be medieval German literature; the topic for spring 1980 will be Goethe's <i>Faust</i>. <i>Three or four credit hours.</i></p>
<p>499d LANGUAGE TEACHING STAFF</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p>

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## Government

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131, 132

INTRODUCTION TO THE STUDY OF  
THE POLITICAL ORDER  
STAFF

An introduction to thought about the art and science of politics and to the study of diverse forms of political action. Each instructor approaches politics in terms of a different problem. A description of the work for each section is available at registration. Students may not study with the same instructor more than one semester. Open to freshmen only. *Three credit hours.*

135

IMPERIALISM AND NATIONALISM IN  
EAST ASIA  
MR. BOWEN

International politics in East Asia, with emphasis on imperialist expansion by Japan and western powers (including the United States) and on the emergence of Asian nationalism. Designed to provide a perspective for understanding contemporary international activity in Asia. Attention given to theories of imperialism and to the realities of political and economic expansion. *Three credit hours.*

138

JAPAN AND THE UNITED STATES  
MR. BOWEN

The political, cultural, historical, and economic dynamics of Japan's drive to modernize since the Meiji Restoration of 1868. Special attention will be given to the ongoing conflict between the proponents of liberal democracy and those favoring an oligarchic, authoritarian governmental system. Throughout the study, we will seek to locate the roots of Japanese democracy and militarism. *Three credit hours.*

211

THE AMERICAN SYSTEM AND THE  
SHAPING OF THE MODERN POLITY  
MR. MAVRINAC

A systematic introduction to the ideas, practices, and experiences that shape modern polities, focusing on the evolution of the American system beginning with the constitutional period. Underlying philosophies and operational assumptions of other complex political systems are considered in order to provide perspective. The goal is to strengthen the student's overall model of the American political system and to help develop an appreciation of contemporary approaches of political scientists to political phenomena. Particularly intended as an introduction to American political thought, and as a foundation for further work in American government and politics, the political systems of other developed societies, and political theory. Designed for students from a variety of majors, including American studies, history, and government. *Four credit hours.*

215

TRANSNATIONAL RELATIONS IN  
THE MODERN WORLD  
MR. WEISSBERG

The basic actors, theories, and systematic elements of international politics and their relationship in the fluidity of the modern world. Emphasis is placed on the search for a structure of international security, and on such subjects as transnational power politics (including

the role both of traditional states and of contemporary nonstate movements), comparative conceptions of diplomacy and war as instruments of goal achievement, and institutions of collective security. Intended both for students planning further study in international relations and for those who will not have other occasion in college to study the shape of the international system. *Three credit hours.*

231d2 CONTEMPORARY JAPANESE POLITICS MR. BOWEN	A survey of the political process in postwar Japan, with emphasis on some of the major institutions of political life. Japan is considered as a political system comparable to those of other industrial democracies, in spite of marked differences in social and cultural values. <i>Three credit hours.</i>
234 EUROPEAN POLITICS MR. HAUSS	An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. <i>Four credit hours.</i>
256 PARTIES AND THE ELECTORAL PROCESS MR. MAISEL	An analysis of partisan politics and elections in the United States, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. <i>Three or four credit hours.</i>
271 ASIAN REVOLUTIONARY MOVEMENTS MR. BOWEN	An examination of revolutionary political change in India, China, and Vietnam. The social forces making for revolution, the characteristics of revolutionary leadership, and the problems of mobilization and organization in revolutionary struggles. <i>Three credit hours.</i>
†[314] AMERICAN CONSTITUTIONAL LAW	The United States Supreme Court and constitutional litigation as part of the American political process. <i>Four credit hours.</i>
†[316] AMERICAN POLITICAL THOUGHT	Some of the principal expressions of political values and conceptions of political structure and process as they have appeared in the course of American history. A familiarity with material covered either in Government 211 or Government 321 is assumed. <i>Three credit hours.</i>
317 THE POLICY-MAKING PROCESS MR. MACKENZIE	An examination of the policy-making process, including such topics as agenda setting, program formulation, consensus building, implementation, and the use and misuse of policy analysis. Special attention to methods and techniques of policy evaluation. Primary focus on policy making at the national level in the United States government. Familiarity with material covered in Government 211 is assumed. Offered in 1978-79 as Government 397. <i>Three or four credit hours.</i>

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321, [322] POLITICAL THEORY MR. MAVRINAC	Some of the principal western approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. Familiarity with material covered in Government 211 is assumed. <i>Three credit hours.</i>
332 POLITICAL DEVELOPMENT IN THE THIRD WORLD MR. BOWEN	The process of political change and modernization in the Third World. The course will include an introduction to contemporary theories of political development, followed by an examination of the problems of integration, leadership, and stability in new nations. <i>Three credit hours.</i>
[333] TOTALITARIAN GOVERNMENT AND POLITICS	The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. <i>Three credit hours.</i>
[334] CONTEMPORARY FORMS OF POLITICAL ANALYSIS	The principal approaches to political analysis used by contemporary political scientists. Particular attention is given to the application of these approaches to the study of comparative political institutions. Government 321 is recommended as a preliminary to this course. <i>Three credit hours.</i>
[336] INTERNATIONAL ORGANIZATION	The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. <i>Three credit hours.</i>
338 INTERNATIONAL LAW MR. WEISSBERG	The body of rules and principles of behavior that govern states in their relations with each other, as illustrated in cases and texts. <i>Three credit hours.</i>
[351] THE WELFARE STATE	An exploration of the policies and political forces of western Europe's "welfare states." Emphasis will be placed on recent political developments in Great Britain, the Federal Republic of Germany, and Sweden. Thorough familiarity with material covered in Government 234 is assumed. <i>Three or four credit hours.</i>
353 COMPARATIVE POLITICAL PARTIES MR. HAUSS	An introduction to the comparative analysis of political parties, focusing on the behavior of political parties in single and plural party systems. Parties in the United States, Great Britain, the People's Republic of China, and the Ivory Coast will be included. <i>Three or four credit hours.</i>

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357d2 DEMOCRACY IN DIVIDED SOCIETIES MR. HAUSS	The development of the modern democratic state, focusing on those deeply divided countries that have had the most trouble sustaining liberal democracy. The origins of the modern state, the divisions that have plagued countries like France, Italy, Spain, and the Netherlands, and the various ways these countries have tried to overcome their divisions. <i>Three or four credit hours.</i>
[359] GOVERNMENT AND THE PRESS	The role of the press as the “fourth branch of the government,” focusing on the internal workings of the various news media and on the relationships between those who report on the government and government officials. <i>Four credit hours.</i>
373 THE AMERICAN PRESIDENCY MR. MACKENZIE AND MR. MAISEL	The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. Familiarity with materials covered in Government 211 is assumed. <i>Three or four credit hours.</i>
374 THE AMERICAN CONGRESS MR. MACKENZIE AND MR. MAISEL	The organization, powers, and actions of the legislative branch of the American government examined in historical and contemporary perspective. Familiarity with materials covered in Government 211 is assumed. <i>Three or four credit hours.</i>
[377] SPECIAL PROBLEMS IN LOCAL GOVERNMENT	Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally, the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. <i>Three credit hours.</i>
392 THE ADMINISTRATIVE PROCESS MR. MACKENZIE	The people and agencies responsible for the implementation of public policy in the United States. Emphasis on the character of bureaucratic decision-making, government organization and reorganization, public personnel systems, and administrative politics. <i>Three credit hours.</i>
[393] STATE AND LOCAL GOVERNMENT	The evolution of the federal system, with particular emphasis on current intergovernmental programs together with a comparative analysis of state and local governments, their organizational patterns and political climates. <i>Three credit hours.</i>



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<p>413 SEMINAR IN COMPARATIVE POLITICS MR. HAUSS</p>	<p>An analysis of a major topic in the politics of the advanced industrial democracies. In 1979: the politics of the working class in Europe and North America. Familiarity with material covered in Government 234 is assumed. <i>Three credit hours.</i></p>
<p>435 SEMINAR IN AMERICAN NATIONAL GOVERNMENT AND POLITICS MR. MAISEL</p>	<p>An intensive examination of a specific topic in national political life; topics will vary from year to year. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
<p>[436] AMERICAN POLITICS SEMINAR: VOTING BEHAVIOR</p>	<p>An intensive examination of the social and psychological determinants of voting behavior. <i>Three credit hours.</i></p>
<p>457 FOREIGN POLICY OF THE UNITED STATES MR. WEISSBERG</p>	<p>Problems of planning and executing American foreign policy. <i>Prerequisite:</i> Government 215 or equivalent or permission of the instructor. <i>Three credit hours.</i></p>
<p>458 SEMINAR ON THE UNITED NATIONS MR. WEISSBERG</p>	<p>Conducted in the form of a political or judicial organ of the United Nations. Case studies will be presented and analyzed, each participant assuming the role of a representative of the nation-state that is involved in the dispute. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>477 SEMINAR IN JAPANESE POLITICS MR. BOWEN</p>	<p>An advanced seminar analyzing an aspect of democratic politics in modern Japan. In 1979: the role and importance of radical movements in keeping in check the excesses of officialdom. <i>Prerequisite:</i> Permission of the instructor or Government 138 or 231. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>A study of government through individual projects. <i>Prerequisite:</i> Government major and permission of the department chairman and instructor. <i>One to four credit hours.</i></p>

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## Greek

IN THE DEPARTMENT OF CLASSICS

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<p>111 INTRODUCTORY GREEK MR. WESTERVELT</p>	<p>Introduction to Homeric Greek. <i>Four credit hours.</i></p>
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112 INTERMEDIATE GREEK MRS. KOONCE	Readings in Homer's <i>Iliad</i> . Does not satisfy college language requirement. <i>Four credit hours</i> .
131 INTRODUCTION TO GREEK LITERATURE TAYLOR LECTURER	The <i>Iliad</i> of Homer. <i>Three credit hours</i> .
232 ATTIC PROSE MRS. KOONCE	Plato: <i>Apology, Crito, Euthyphro</i> . <i>Three or four credit hours</i> .
*254d1 ATTIC POETRY MRS. KOONCE	Euripides. <i>Three or four credit hours</i> .
[351] GREEK LITERATURE	Thucydides. <i>Three or four credit hours</i> .
†[352] GREEK LITERATURE	Sophocles. <i>Three or four credit hours</i> .
[353] GREEK LITERATURE	Demosthenes. <i>Three or four credit hours</i> .
*355d2 GREEK LITERATURE TAYLOR LECTURER	Herodotus. <i>Three or four credit hours</i> .
[356] GREEK LITERATURE	Plato. <i>Three or four credit hours</i> .
[414] SEMINAR	Aristophanes. <i>Three or four credit hours</i> .
491, 492 INDEPENDENT STUDY STAFF	Reading in a field of the student's interest, with essays and conferences. <i>One to three credit hours</i> .
[493] SEMINAR	Aeschylus. <i>Three credit hours</i> .

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## History

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- 111  
THE RISE OF EUROPE  
STAFF
- A survey of principal developments and trends in European history from about 1450 to about 1890. The expansion of Europe, Renaissance, Reformation, Age of Reason, Revolutionary Epoch, romanticism, liberalism, nationalism, socialism, and imperialism are all given brief attention in an introductory course designed for students who have not already studied this subject. Enrollment is restricted to freshmen and may be limited. *Three credit hours.*
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- 112  
THE DECLINE OF EUROPE  
STAFF
- The diplomatic backgrounds of World War I and World War II and the period of the cold war, with some attention to the causes and consequences of the Suez crisis of 1956, the conflict in Indo-China, and the wars in the Middle East. Enrollment is restricted to freshmen and may be limited. *Three credit hours.*
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- †[137]  
MIEVEAL HISTORY, 476-1300
- A historical survey of the "first Europe" of Christendom from the time of the fall of Rome and the establishment of the Christian church to the beginnings of the Renaissance. Emphasis will be on western (Latin and Germanic) and nonwestern (Byzantine and Moslem) influences. Primarily for freshmen but open to sophomores; a limited number of upperclassmen admitted by special permission. *Three or four credit hours.*
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- †[138]  
MIEVEAL HISTORY, 1300-1648
- A historical survey of the period of transition between the "first Europe" of Christendom and the "second Europe" of sovereign, independent states. Major emphasis will be given to political and social developments, but attention will also be given to the cultural Renaissance and the religious Reformation. Primarily for freshmen but open to sophomores; a limited number of upperclassmen admitted by special permission. *Three or four credit hours.*
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- 151  
EAST ASIAN CIVILIZATION  
TO 1600  
MR. FEIGON
- The development of the various cultures and civilizations of East Asia, particularly China and Japan, and their interaction, from "Peking Man" to the seventeenth century. Archeology, geography, philosophy, anthropology, and political institutions of the region will be discussed, focusing on the distinctive contributions of East Asian civilization in relation to other major cultural centers. *Three credit hours.*

<p>152 EAST ASIAN CIVILIZATION FROM 1600 TO THE PRESENT MR. FEIGON</p>	<p>The final flowering of the traditional civilizations of China and Japan and their eventual response to the modern industrial west. Though the major historical developments within the period will be discussed, the focus will be on the effect these developments have had on the everyday life of the people of the region. <i>Three credit hours.</i></p>
<p>215 AMERICA AND ASIA: ATTITUDES AND RELATIONSHIPS MR. FEIGON</p>	<p>A history of United States attitudes and relations with Asian countries, principally China and Japan, particularly as manifested in such episodes as the opium wars, the anti-Oriental exclusion laws, the open-door policy, the Pacific side of World War II, the Korean War, the war in Vietnam, and present-day U.S.-China and U.S.-Japan relations. The American view of East Asia will be compared with other accounts of life in the region. <i>Three or four credit hours.</i></p>
<p>216 THE CHINESE REVOLUTION MR. FEIGON</p>	<p>Modern China, concentrating on the massive upheavals that have shaped her history in the past century, from the Taiping Rebellion of 1850-1864 to the death of Mao. <i>Three credit hours.</i></p>
<p>223, 224 SURVEY OF UNITED STATES HISTORY MR. MOSS</p>	<p>United States history from the age of discovery to the present. Although chronological symmetry is maintained, an effort is made to demonstrate the particular value of political, economic, and constitutional interpretations. Open to a limited number of freshmen. <i>Three credit hours.</i></p>
<p>237 THE EMERGENCE OF MODERN BRITAIN, 1688-1867 MR. GILLUM</p>	<p>England during the American, French, and Industrial revolutions. <i>Three credit hours.</i></p>
<p>238 BRITAIN SINCE 1867 MR. GILLUM</p>	<p>Britain from the age of imperialism through the era of world wars and to the dissolution of the empire. <i>Three credit hours.</i></p>
<p>253 AMERICAN DIPLOMATIC HISTORY, 1775-1898 MR. BERSCHNEIDER</p>	<p>A historical study of American foreign policy and of the diplomacy conducted by the United States from the time of its war for independence to the time of its specific involvement in the politics of world power. Formerly listed as History 391. <i>Three or four credit hours.</i></p>
<p>255 EUROPEAN DIPLOMATIC HISTORY, 1815-1890 MR. BERSCHNEIDER</p>	<p>Selected topics in diplomatic history analyzing the European state system and the relations existing among the major European powers. Specific attention will be given to the theme of "The Concert of Europe" and the development of national liberation movements. <i>Three or four credit hours.</i></p>

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- 256  
EUROPEAN AND AMERICAN  
DIPLOMATIC HISTORY, 1890-1945  
MR. BERSCHNEIDER
- Selected topics in diplomatic history analyzing the alteration of the European state system in war and revolution and the emergence of two non-European world powers, the Soviet Union and the United States. Specific attention will be given to the development of international organizations. *Three or four credit hours.*
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- 277  
BLACK HISTORY I  
MR. MOSS
- The history of the Black American and race relations from the African background to the Civil War. Open to freshmen. *Three credit hours.*
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- 278  
BLACK HISTORY II  
MR. MOSS
- The history of the Black American and race relations from the Reconstruction through the Harlem Renaissance, stressing emancipation, reconstruction, the New South, the Du Bois-Washington conflict, the Niagara Movement, and the rise of the NAACP. Open to freshmen. *Three credit hours.*
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- 311  
TUTORIAL IN HISTORY  
MR. RAYMOND
- Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to six students.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*
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- 314  
THE FIRST WORLD WAR AND  
THE CRISIS OF EUROPEAN SOCIETY  
MR. RAYMOND
- The origins of the First World War, its military and social history and its influence on the transformation of European society, 1900-1925. Particular attention will be given to the decline of the British Empire and to the Russian Revolution. *Three credit hours.*
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- [317]  
THE INTRODUCTION OF MARXISM  
INTO CHINA
- The development of Marxist ideology in Europe interwoven with the history of the evolution of Chinese thought and society in the late nineteenth and early twentieth centuries as a result of the impact of western imperialism. The origin of the Chinese environment into which Marxist thought was received and transformed and the impact of Marxist ideas on China through the early 1930's. *Three or four credit hours.*
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- 318  
THE PEOPLE'S REPUBLIC OF CHINA  
MR. FEIGON
- The development of Chinese communist theories and practice since 1949 and their relation to socialist ideas and activities in other countries. Special emphasis will be placed on the socioeconomic background in China within which Maoist theory developed, particularly on the problems involved in attempting to bring about a socialist reorganization of state and society while engaged in industrial development. *Three or four credit hours.*

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- †[333]  
MEDIÆVAL ENGLAND
- A political survey of English history in the Saxon, Norman, Angevin, Lancastrian, and Yorkist periods. *Three credit hours.*
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- \*335  
A CONSTITUTIONAL AND LEGAL  
HISTORY OF MEDIÆVAL ENGLAND  
MR. GILLUM
- English governmental and legal principles in the Saxon period, in the time of Henry II, and in the thirteenth century. Developments since 1307 will be considered briefly. *Three credit hours.*
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- †[336]  
TUDOR-STUART ENGLAND
- The contest of religious doctrines and the conflict of political concepts, from the Renaissance monarchy of Henry VII to the "Glorious Revolution" of 1688. *Three credit hours.*
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- 341, 342  
HISTORY OF RUSSIA AND THE USSR  
MR. RAYMOND
- The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. *Three credit hours.*
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- [352]  
INTELLECTUAL AND CULTURAL  
HISTORY OF MODERN EUROPE
- A historical survey of the changes in the idea of history expressed by representative speculators from Hegel to Heidegger. Major attention will be given to the contributions made by Darwin, Marx, and Freud in the development of the modern ideologies of liberalism, communism, and fascism, and the production of the cultural phenomenon of existentialism. *Three or four credit hours.*
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- 354  
AMERICAN INTELLECTUAL  
HISTORY, 1865-1917  
MR. COCKS
- An analysis of the dominant intellectual controversies during America's transition from an agrarian to an industrialized society. Focus is upon the effort made by American thinkers to redefine the meaning of community and the relationship of the individual to that community. *Three credit hours.*
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- 355  
THE FRENCH REVOLUTION AND  
NAPOLEON  
MR. RAYMOND
- The origins and political and social development of the French Revolution and Napoleonic dictatorship, 1789-1915. Considerable attention will be given to theories of revolution. *Three credit hours.*
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- \*356  
MODERN GERMANY  
MR. GILLUM
- The political and economic development and the international influence of Germany from 1806 to 1945. *Three credit hours.*
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- \*358  
MODERN FRANCE, 1815-1946  
MR. BERSCHNEIDER
- A survey of French political history from the restoration of the monarchy to the rerestitution of the republic. Attention will be given to the intellectual and cultural developments that have shaped republicanism in modern France. *Three or four credit hours.*

372 THE AMERICAN CIVIL WAR MR. RAYMOND	The origins and the military and political history of the Civil War from about 1850 to 1865. <i>Three credit hours.</i>
[374] CONTEMPORARY AMERICA, 1929 TO PRESENT	The United States from the onset of the Great Depression to the present, integrating social, economic, and political interpretations of this period. <i>Three credit hours.</i>
[375] AMERICAN COLONIAL HISTORY	The period of European colonization of North America and of the emergence of the American social and political "system" of 1776 and 1787 that prefigures the United States of the nineteenth and twentieth centuries. <i>Three credit hours.</i>
[376] THE ERA OF THE AMERICAN REVOLUTION, 1763-1789	Interpretations of the coming of the Revolution, the Declaration of Independence, the War, the Articles of Confederation, and the Constitution. Foundations of American institutions and traditions are viewed. <i>Three credit hours.</i>
[377] HISTORICAL INTRODUCTION TO AMERICAN STUDIES: THE UNITED STATES, 1824-1850	Jacksonianism, the rise of the Whig party, the plantation system, the institution of slavery, abolitionism, women's rights, urbanism, and manifest destiny. Social and intellectual developments will be examined together with political and economic issues. Changing interpretations of historians will also be investigated. <i>Three credit hours.</i>
[379] BLACK HISTORY III	The history of the Black American and race relations from the Harlem Renaissance to 1955, including Blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations. <i>Prerequisite:</i> History 277, 278 or permission of the instructor. <i>Three credit hours.</i>
[394] SLAVERY AND THE AMERICAN SOUTH: 1819-1857	Slavery in its institutional form. The development of slavery in an American south making a partial transformation from an agrarian empire to a slightly industrial area. <i>Three credit hours.</i>
397 AMERICAN CULTURAL HISTORY: 1600-1865 MR. MOSS	American life from the founding to the Civil War as seen from a social and intellectual perspective. Emphasis on the growth of a unique American mind and its relationship to new world social and political development. <i>Three credit hours.</i>
[415], 416 SEMINAR IN AMERICAN HISTORY MR. MOSS	Special topics in American history. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>

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<p>418 SEMINAR IN DIPLOMATIC HISTORY, 1945-1970 MR. BERSCHNEIDER</p>	<p><i>Vietnam</i>, a case study in the diplomacy of the cold war: an analysis of the diplomatic involvement of France and the United States in the movement for Vietnamese independence. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
<p>419 SEMINAR IN MEDIEVAL HISTORY MR. BERSCHNEIDER</p>	<p>The Crusades, 1095-1274. A critical study of the history and the historiography of the medieval holy wars. Readings in the medieval chronicles of the Crusades as well as secondary interpretive accounts. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
<p>[432] SEMINAR IN BLACK HISTORY</p>	<p>Group discussion and individual reports based on readings and research on selected topics in Black history from 1955 to the present, including current ideologies and activities in the Black community. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>457 METHODOLOGY OF THE HISTORIAN: SEMINAR IN MODERN CHINESE HISTORY MR. FEIGON</p>	<p>Materials on the Chinese Revolution will be used as a way of examining differing historical methodologies. No background in Chinese history is necessary. The focus will be on some of the broader historical issues raised by a variety of general social and political theories that claim universal validity and that have been influential in shaping interpretations of the Chinese Revolution and its results. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>A study of history through individual projects. <i>Prerequisite:</i> History major and permission of the department chairman and the instructor. <i>One to four credit hours.</i></p>

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## Human Development

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<p>393d SEMINAR MR. ROSENTHAL</p>	<p>The study of multidisciplinary perspectives on problems in human development. <i>Two credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual study of special problems in human development in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor and the program director. <i>One to four credit hours.</i></p>



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493d  
SEMINAR IN HUMAN DEVELOPMENT  
STAFF

An interdisciplinary seminar required of all senior majors in human development. Students are expected to integrate their previous work in the major into an articulated perspective. *Three credit hours.*

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HUMAN DEVELOPMENT MAJOR

Attention is called to the major in studies in human development, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

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## Italian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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\*121, 122  
ELEMENTARY ITALIAN  
MR. FERGUSON

Introduction to the language, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

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†[123, 124]  
INTERMEDIATE ITALIAN

Intensive review of the fundamentals of the language. Practice in the oral-aural skills, supplemented by work in the language laboratory and composition, all based on a variety of modern readings.  
*Prerequisite:* Italian 121, 122 or permission of the instructor; 124 may not be taken without 123 except with permission of instructor. *Three credit hours.*

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## Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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121, 122  
ELEMENTARY JAPANESE  
MR. SO

Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Four credit hours.*

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123, 124  
INTERMEDIATE JAPANESE  
MR. SO

A continuation of Japanese 122, with greater emphasis on written Japanese.  
*Prerequisite:* Japanese 122. *Four credit hours.*

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321, 322  
ADVANCED JAPANESE  
MR. SO

Advanced readings in Japanese. Designed primarily for those students who have had substantial experience in a Japanese-speaking setting.  
*Prerequisite:* Japanese 124 or permission of the instructor. *Three or four credit hours.*

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491, 492  
INDEPENDENT STUDY  
INSTRUCTOR

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.  
*Prerequisite:* Permission of the instructor. *Two to four credit hours.*

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## Latin

IN THE DEPARTMENT OF CLASSICS

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111  
INTENSIVE ELEMENTARY LATIN  
MR. WESTERVELT

An intensive course in Latin grammar and syntax. *Four credit hours.*

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112  
INTERMEDIATE LATIN  
MR. WESTERVELT

Selected readings from Latin authors. Does not satisfy college language requirement. *Three credit hours.*

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113  
INTRODUCTION TO LATIN  
LITERATURE  
MRS. KOONCE

Readings in Plautus. Does not satisfy college language requirement. *Three credit hours.*

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232  
INTRODUCTION TO LATIN POETRY  
TAYLOR LECTURER

Readings in Virgil's *Aeneid*.  
*Prerequisite:* Latin 113 or permission of the instructor. *Three or four credit hours.*

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[251]  
LATIN LITERATURE

Roman drama. *Three or four credit hours.*

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[351]  
LATIN LITERATURE

Lucretius. *Three or four credit hours.*

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[352]  
LATIN LITERATURE

Livy. *Three or four credit hours.*

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†[353]  
LATIN LITERATURE

Roman elegy. *Three or four credit hours.*

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[354]  
LATIN LITERATURE

Cicero: selected speeches. *Three or four credit hours.*

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[355] Roman satire. *Three or four credit hours.*  
 LATIN LITERATURE

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\*356 Cicero: letters. *Three or four credit hours.*  
 LATIN LITERATURE  
 MR. WESTERVELT

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[357] Horace: *Odes* and *Ars Poetica*. *Three or four credit hours.*  
 LATIN LITERATURE

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[358] Tacitus. *Three or four credit hours.*  
 LATIN LITERATURE

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†[359] Virgil: *Eclogues* and *Georgics*. *Three or four credit hours.*  
 LATIN LITERATURE

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†[371] Terence. *Three or four credit hours.*  
 LATIN LITERATURE

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491, 492 Reading in a field of the student's interest, with essays and conferences. *One to three credit hours by prior arrangement.*  
 INDEPENDENT STUDY  
 STAFF

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494d1 Virgil: *Aeneid*. *Three or four credit hours.*  
 SEMINAR  
 TAYLOR LECTURER

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## Linguistics

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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†[211] A practical introduction to the methodology and techniques of linguistic science. Analysis of grammatical structures and sound systems of language.  
 INTRODUCTION TO LINGUISTIC  
 TECHNIQUES

*Prerequisite:* Successful completion of any intermediate language course or demonstration of equivalent proficiency. *Three credit hours.*

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†[212] Application of linguistic skills, general knowledge, and common sense to speculate on the larger questions of human communication and culture. The scope of the course is broad; possible topics in-  
 MAN, WOMAN, AND LANGUAGE

clude dialects, women's speech, semantics, Black English, code breaking, nonhuman communication, jokes, logic, and lies.

*Prerequisite:* Linguistics 211 or permission of the instructor.  
*Three credit hours.*

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## Literature in Translation

OFFERED BY THE DEPARTMENTS OF CLASSICS, ENGLISH, AND MODERN FOREIGN LANGUAGES

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133 Listed as Classics 133 (q.v.). *Three or four credit hours.*

MYTH AND LITERATURE

MR. WESTERVELT

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223, 224 Listed as German 223, 224 (q.v.). *Three credit hours.*

GERMAN CULTURAL TRADITIONS

MR. MCINTYRE

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†[225, 226] Listed as Russian 223, 224 (q.v.). *Three credit hours.*

RUSSIAN CULTURE AND

CIVILIZATION

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\*232 Listed as Classics 232 (q.v.). *Three or four credit hours.*

GREEK TRAGEDY

MR. WESTERVELT

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†[234] Listed as Classics 234 (q.v.). *Three or four credit hours.*

THE HEROIC IDEAL IN EARLY

GREEK POETRY

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[235] Listed as French 235 (q.v.). *Three or four credit hours.*

QUÉBEC IN TRANSITION

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\*237 Listed as Russian 237 (q.v.). *Three credit hours.*

RUSSIAN LITERATURE IN

TRANSLATION I

MR. MILLER

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\*238 Listed as Russian 238 (q.v.). *Three credit hours.*

RUSSIAN LITERATURE IN

TRANSLATION II

MR. MILLER

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\*276 Listed as English 276 (q.v.). *Three credit hours.*

DANTE IN TRANSLATION

MR. MACKAY

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\*373 Listed as English 373 (q.v.). *Three credit hours.*

THE DEVELOPMENT OF

DRAMATIC ART I

MR. SUSS

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\*374 Listed as English 374 (q.v.). *Three credit hours.*

THE DEVELOPMENT OF

DRAMATIC ART II

MR. SUSS

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[375] Listed as English 375 (q.v.). *Three credit hours.*

MODERN DRAMA I

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[376] Listed as English 376 (q.v.). *Three credit hours.*

MODERN DRAMA II

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437 Listed as English 437 (q.v.). *Three credit hours.*

THE LITERATURE OF

EXISTENTIALISM

MR. MIZNER

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## Mathematics

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113d Basic concepts and techniques of higher algebra that will be useful in further applications of mathematics. Systems of equations and matrices are used as vehicles for this study. *Three credit hours.*

LINEAR ALGEBRA

STAFF

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121d Elementary differential and integral calculus. *Three credit hours.*

CALCULUS I

STAFF

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122d Further study of differential and integral calculus, with selected applications.

CALCULUS II

STAFF

*Prerequisite:* Mathematics 121. *Four credit hours.*

221d CALCULUS III STAFF	An introduction to complex arithmetic; vectors from a geometric viewpoint; solutions of linear systems of algebraic equations and matrix algebra. Also an introduction to linear spaces and linear transformations; theory and applications of determinants, eigenvalues and eigenvectors of linear transformations and matrices, and the principal axis theorem; quadratic forms. An introduction to first order systems of linear differential equations. <i>Prerequisite: Mathematics 122. Four credit hours.</i>
222d2 CALCULUS IV STAFF	Topics in multivariable calculus and a continuation of work in differential equations. <i>Prerequisite: Mathematics 221. Four credit hours.</i>
241d, 242 ELEMENTARY STATISTICS I AND II STAFF	Statistics I: descriptive statistics, elementary probability theory, binomial and normal distributions, elementary sampling theory, tests of hypotheses, confidence intervals, nonparametric statistics, correlation. Applications are emphasized. Offered each semester. Statistics II: a continuation, including regression, analysis of variance, and time series. Offered second semester only. Neither course open to mathematics majors. <i>Prerequisite: Mathematics 121. Mathematics 241: four credit hours; 242: two credit hours.</i>
*243, 244 FINITE MATHEMATICS MRS. ZUKOWSKI	Selected topics from modern mathematics useful in the biological and social sciences, including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Statistics is not treated but is offered in other courses. Not open to mathematics majors. <i>Prerequisite: Mathematics 113 or 121. Three credit hours.</i>
311 DIFFERENTIAL EQUATIONS MR. GOULET	Theory and solution methods of first and second order ordinary differential equations with applications; first order linear systems, solutions, and stability. <i>Prerequisite: Mathematics 222 or permission of the instructor. Three credit hours.</i>
312 TOPICS IN ANALYSIS MR. GOULET	A continuation of Mathematics 311. Linear systems, stability and linearization of nonlinear systems, partial differential equations, particularly linear equations. Also Fourier series, Fourier transforms, Sturm-Liouville theorem as applied to partial differential equations; an introduction to potential theory; Green's functions. <i>Prerequisite: Mathematics 311. Three credit hours.</i>

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†[315] INTRODUCTION TO MATHEMATICAL SYSTEMS	Qualitative discussion of the nature of systemic analysis, with examples drawn from computer science, ecological systems, human physiology, physics, and economics. Topics include linear systems of differential equations, control theory, nonlinear stability theory, numerical solutions of systems, discrete systems. <i>Prerequisite:</i> Mathematics 222 and knowledge of BASIC computer language. <i>Three credit hours.</i>
332 INTRODUCTORY NUMERICAL ANALYSIS AND PROGRAMMING INSTRUCTOR	Solution by numerical methods of linear and nonlinear equations, systems of equations, and differential equations; numerical integration; polynomial approximation; matrix inversion; error analysis. A time-sharing computer system will be used to solve problems. <i>Prerequisite:</i> Some programming experience, Mathematics 222, or permission of the instructor. <i>Three credit hours.</i>
352 COMPLEX VARIABLES INSTRUCTOR	The arithmetic and calculus of complex numbers. The properties of analytic functions, including mapping by elementary functions, conformal mapping, residues, and poles. <i>Prerequisite:</i> Mathematics 222 or permission of the instructor. <i>Three credit hours.</i>
361, 362 HIGHER ALGEBRA MR. HAYSLETT	Introduction to algebraic structures, such as groups, rings, integral domains, and fields. <i>Prerequisite:</i> Mathematics 222. <i>Three credit hours.</i>
372 DISCRETE MATHEMATICS STAFF	Selected topics in modern mathematics and operations research that have applications in current societal problems. The content will vary from year to year, but topics such as graph theory, combinatorics, game theory, linear programming, optimization techniques, and Markov chains would be considered. <i>Prerequisite:</i> Mathematics 222. <i>Three or four credit hours.</i>
381, 382 MATHEMATICAL STATISTICS MS. WALKER	Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, emphasis is on theory. <i>Prerequisite:</i> Mathematics 222. <i>Three credit hours.</i>
401, 402 MATHEMATICS SEMINAR STAFF	Discussion of topics in pure and applied mathematics. Nongraded. <i>Prerequisite:</i> Senior standing in the mathematics major or a combined major including mathematics. <i>One credit hour for the year.</i>

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421, 422 ADVANCED CALCULUS INSTRUCTOR	More advanced topics of calculus and an introduction to real analysis. <i>Prerequisite:</i> Mathematics 222 and senior standing, or permission of the instructor. <i>Three credit hours.</i>
431d2 INTRODUCTION TO TOPOLOGY INSTRUCTOR	General topology, including such topics as elementary point set topology, mapping, and metric spaces. <i>Prerequisite:</i> Mathematics 421 or permission of the instructor. <i>Three credit hours.</i>
[432] HIGHER GEOMETRY	Properties of various geometries, with emphasis on axiomatic development. <i>Prerequisite:</i> Mathematics 361, 362. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Independent study in an area of mathematics of particular interest to the student. <i>Prerequisite:</i> Mathematics major and permission of the department. <i>Two to four credit hours.</i>

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## Modern Foreign Languages

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411 TEACHING OF MODERN FOREIGN LANGUAGES MR. BUNDY	Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Some attention is also directed to the FLES program. Counts as three hours in education toward the Maine secondary-school-teaching certificate. Conducted in English. Nongraded. <i>Prerequisite:</i> Two 200-level modern foreign literature courses. <i>Three credit hours.</i>
491, 492 INDEPENDENT TOPICS IN MODERN FOREIGN LANGUAGES STAFF	Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the department chairman. <i>Two to four credit hours.</i>

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## Music

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111d INTRODUCTION TO MUSIC STAFF	Introduction to the western musical tradition and development of perceptive listening through the study of selected works from the Middle Ages to the present. No previous knowledge of music as-
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sumed. Cannot be counted toward the music major. *Three credit hours.*

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\*131

STUDIES IN AMERICAN MUSIC  
MR. RÉ

Aspects of American music, examined from historical and critical perspectives. Areas to be studied may include topics in the eighteenth and nineteenth centuries, the works of important contemporary composers, or music in popular culture. A description of specific topics to be covered will be published before registration.

*Prerequisite:* Music 111 or permission of the instructor. *Three credit hours.*

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†[134]

THE SYMPHONY

Representative symphonies from the eighteenth century to the present. Primarily for students not intending to major in music.

*Prerequisite:* Music 111 or permission of the instructor. *Three credit hours.*

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\*151

MUSIC IN THE LIBERAL ARTS  
MRS. REUMAN

An exploration of relationships between the art of music and other areas within the liberal arts. Such areas might include physics, mathematics, physiology and psychology, philosophy and aesthetics, the visual arts, anthropology and sociology, language and literature, historical or area studies, theater and dance, and religion. A description of specific topics to be studied will be published before registration; the choice of topics will depend in part on the background of prospective registrants and on the availability of guest lecturers. *Three credit hours.*

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153d

INTRODUCTION TO MUSIC THEORY  
STAFF

An introductory survey of the main aspects of music theory, including intervallic, melodic, and rhythmic dictation, creative writing, and analytical studies of representative compositions from various historical periods. Primarily for students not intending to major in music. Formerly listed as Music 163, 164. *Three credit hours.*

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171

MUSIC THEORY I  
MRS. REUMAN

Within a sequence of courses designed to present analytical skills for understanding the elements and structure of tonal music, Music Theory I covers skills pertaining to notation, intervals, scales, tonality, and melodic construction. Includes ear training and sight singing. Primarily for music majors.

*Prerequisite:* Permission of the instructor. *Four credit hours.*

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172

MUSIC THEORY II  
MRS. REUMAN

A continuation of Music Theory I, covering skills pertaining to further melodic analysis, two- and three-part writing, and basic chord structure. Primarily for music majors.

*Prerequisite:* Music 171 and keyboard proficiency test. *Four credit hours.*

<p>191, 192 APPLIED MUSIC: INDIVIDUAL STUDY STAFF</p>	<p>Instruction in voice and instruments for qualified students. Possible offerings in 1979-80, depending upon demand, include electronic music, flute, guitar, harpsichord, organ, piano, trombone, trumpet, viola, violin, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Nongraded. <i>Prerequisite:</i> Music 153 or 171 (may be taken concurrently) and permission of the department. Flexible credit. <i>One or two credit hours.</i></p>
<p>193, 194 APPLIED MUSIC: ENSEMBLE STAFF</p>	<p>Optional credit for participation in musical organizations and ensembles. In addition to the college band, chapel choir, glee club, and symphony orchestra, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit. Nongraded. <i>Prerequisite:</i> Music 153 or 171 (may be taken concurrently) and permission of the department. Flexible credit. <i>One credit hour.</i></p>
<p>211 MUSIC HISTORY I MR. ARMSTRONG</p>	<p>The history of western music from the Middle Ages to 1750. Primarily for music majors. <i>Prerequisite:</i> Music 171. <i>Four credit hours.</i></p>
<p>216 MUSIC HISTORY II INSTRUCTOR</p>	<p>The history of western music from 1750 to 1870. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p>
<p>217 MUSIC HISTORY III INSTRUCTOR</p>	<p>The history of western music from 1870 to the present. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p>
<p>†[231] CHANSONS AND LIEDER</p>	<p>A detailed study of art songs, French chansons, and German lieder, with emphasis given to the songs and song cycles of Schubert, Schumann, Brahms, Mahler, Wolf, Debussy, and contemporary composers. Open to freshmen. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p>
<p>*233 STUDIES IN MEDIEVAL AND RENAISSANCE MUSIC MISS HEINRICH</p>	<p>Selected aspects of the music of the Middle Ages and Renaissance, with emphasis on a study of performance practices; students will combine in a collegium musicum to perform some of the works studied. A description of specific topics to be covered will be published before registration.</p>

*Prerequisite:* A college-level course in music history or theory.  
*Three or four credit hours.*

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†[234] STUDIES IN BAROQUE MUSIC	Selected aspects of baroque music. A description of specific topics to be covered will be published before registration. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i>
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†[235] CHAMBER MUSIC	The development of chamber music written for various groups, with emphasis on representative composers and works. Augmented credit of one hour based on participation in a performance laboratory. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i>
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271 MUSIC THEORY III MR. RÉ	A continuation of Music Theory II, covering the elements of harmony, including an introduction to chromatic harmony. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i>
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[278] OPERA AS THEATER	A historical study of principles of opera production, with laboratory experience in staging scenes from several periods. <i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i>
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†[332] STUDIES IN OPERATIC STYLE	Representative operas will be examined in detail, noting the individual stylistic tendencies of the composer, as well as the various ways in which the music reflects aesthetic trends of the age in which it was composed. <i>Prerequisite:</i> Music 172 and one college-level course in music history, or permission of the instructor. <i>Four credit hours.</i>
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372 COMPOSITION I MR. RÉ	Creative writing for students prepared to undertake original work in composition. <i>Prerequisite:</i> Music 271 and permission of the instructor. <i>Three or four credit hours.</i>
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374 COMPOSITION II MR. RÉ	Additional opportunities for original creative work in music. <i>Prerequisite:</i> Music 372 and permission of the instructor. <i>Three or four credit hours.</i>
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*376 COUNTERPOINT MR. RÉ	A study of the principles of sixteenth-, seventeenth-, and eighteenth-century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. <i>Prerequisite:</i> Music 271. <i>Three credit hours.</i>
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- †[378]  
CONDUCTING
- Score reading, studies in basic baton technique. Analysis of works of various periods and application of conducting techniques to stylistic interpretation.  
*Prerequisite:* Music 271 and permission of the instructor. *Three credit hours.*
- 
- 491, 492  
INDEPENDENT STUDY  
STAFF
- Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors.  
*Prerequisite:* Permission of the department. *One to four credit hours.*
- 
- [493], 494  
SEMINAR IN MUSIC  
MR. ARMSTRONG
- Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors.  
*Prerequisite:* Music 271 and permission of the instructor. *Three or four credit hours.*
- 
- 499d  
MUSIC TEACHING  
STAFF
- Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Nongraded.  
*Prerequisite:* Permission of the department. Flexible credit. *Two credit hours.*
- 
- APPLIED MUSIC
- Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. Students of applied music are invited to participate in the college band, chapel choir, glee club, and symphony orchestra, with or without academic credit; small ensembles are also formed from time to time. For information concerning academic credit, see the statements for Music 191, 192 and 193, 194. In the case of Music 191, 192, a fee of \$120 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$70. A fee of \$20 per semester is charged for use of the electronic music center; users are also liable for damage to equipment. Fees are payable on the semester bill. Students are not charged for membership in musical organizations or small ensembles.
- All majors are expected to demonstrate some skill at the keyboard; consult the department. Students not already proficient are urged to remedy this deficiency as soon as possible by enrolling for piano study.
- The department reserves some scholarship money to aid talented students of applied music; consult the chairman.

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## Performing Arts

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111d

THEATER PRODUCTION

MR. WOODY

A basic course in the technical aspects of theatrical production. Application of theory to practice is required in laboratory and Performing Arts presentations. Enrollment limited. Flexible credit. *Three credit hours.*

132

SCENE DESIGN

MR. WOODY

The art of scene design from an analysis of the playwright's text to the aesthetic and functional solutions for achieving a viable design. Projects will include design drawings with written justification of assigned plays for in-class discussion and criticism. Attendance at Performing Arts and Powder and Wig productions required. Enrollment limited to 10 students.

*Prerequisite:* Performing Arts 111 or permission of the instructor. Flexible credit. *Three credit hours.*

171

ACTING I

MR. SEWELL

Basic techniques of stage performance. Flexible credit. *Three credit hours.*

221, 222

THEATER HISTORY

MR. WITHAM

The history of significant developments in western theater from the classical Greek period to the present. In the first semester, emphasis will be placed on influential changes occurring in theater architecture and scene design, and on other innovative contributions made by playwrights, producers, and performers from the beginnings to the nineteenth century. The second semester will cover important developments from the nineteenth century to the present. *Three credit hours.*

231

STAGE LIGHTING

MR. WOODY

Principles and tools of stage lighting, with special emphasis on translating design ideas to the physical stage. Attendance at several college productions and work on one production is required.

*Prerequisite:* Performing Arts 111 and permission of the instructor. Flexible credit. *Two credit hours.*

\*241, 242

INTRODUCTION TO THE ART OF  
DANCE

MS. MITCHELL-WENTZEL

A historic survey of the art of dance from its primitive ritual beginnings to its development as an art form in western civilization. The course includes lectures, films, an introduction to basic theory, composition, and movement experience. No dance experience necessary.

*Prerequisite:* Permission of the instructor. *Three credit hours.*

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†[251]  
STAGE MOVEMENT

A study of basic body movement and efficiency of movement. The course will deal mostly with improvisational problems geared for the stage. Flexible credit. *Three credit hours.*

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†[272]  
ACTING II

Advanced techniques of stage acting. Scenes and short plays.  
*Prerequisite:* Performing Arts 171 or permission of the instructor. Flexible credit. *Three or four credit hours.*

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\*274  
PERFORMING THE CLASSICS  
MR. SEWELL

Diction, style, interpretation in classical theater. Memorized scene work from *The Trojan Women*, *Much Ado About Nothing*, *The Rivals*, and other classical plays. An actor's study of poetics, including vocabulary.  
*Prerequisite:* Performing Arts 171 or permission of the instructor. Flexible credit. *Three credit hours.*

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341, 342  
MODERN DANCE COMPOSITION  
AND THEORY  
MS. MITCHELL-WENTZEL

Compositional problems relating to the theories of various modern dance artists, improvisational problems, a study of the modern dance repertory through films and direct movement experience. Not offered if enrollment below eight.  
*Prerequisite:* Service class in modern dance or movement and permission of the instructor. Flexible credit. *Three credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.  
*Prerequisite:* Permission of the instructor. Flexible credit unless otherwise stipulated by instructor in writing to registrar. *One to four credit hours.*

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PERFORMING ARTS PROGRAM

For additional offerings in the performing arts, see section on Interdisciplinary Studies.

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## Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

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112d  
LOGIC  
MR. MCARTHUR

The techniques of formal reasoning and their application to argumentation in ordinary language. *Three credit hours.*

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- 133  
INTRODUCTION TO WESTERN  
PHILOSOPHY I  
MR. HUDSON AND OTHERS
- Some typical problems in western philosophy: ethics, sociopolitical philosophy, and philosophy of religion. *Three credit hours.*
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- 134  
INTRODUCTION TO WESTERN  
PHILOSOPHY II  
MR. HUDSON AND OTHERS
- Some typical problems in western philosophy: theory of knowledge, metaphysics, and philosophy of science. *Three credit hours.*
- 
- 211  
MORAL PHILOSOPHY  
MR. REUMAN
- The bases of judgment on questions of good and bad, right and wrong; the application of ethical principles to problem cases. *Three credit hours.*
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- \*236  
SOCIAL PHILOSOPHY  
MR. REUMAN
- Readings from Plato, Locke, Rousseau, Marx, and others; their relevance to contemporary problems. *Three credit hours.*
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- †[258]  
INTERMEDIATE LOGIC
- A treatment of philosophical problems arising from logic and mathematics, e.g., the nature of axiomatic theories, the limitations of the axiomatic method, the nature of logical and mathematical truth, nominalism and realism, and the relation of logic to philosophy.  
*Prerequisite:* Philosophy 112 or permission of the instructor.  
*Three credit hours.*
- 
- 277, [278]  
PHILOSOPHICAL PERSPECTIVES  
MR. HUDSON
- Interdisciplinary considerations of various topics, involving lecturers from several departments. In the fall of 1979: "Philosophical Perspectives on Man." Studies on the nature and destiny of man. Readings from philosophers, anthropologists, ethologists, sociobiologists, and literary figures. *Three credit hours.*
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- 281, 282  
CULTURAL EUTHENICS: A NEW  
ADAM AND A NEW EDEN  
MR. TODRANK
- Listed as Religion 281, 282 (q.v.). *Three or four credit hours.*
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- \*297  
THE PHILOSOPHY OF ARISTOTLE  
INSTRUCTOR
- A study of the Aristotelian physics (including psychology) and metaphysics, also touching upon the logic, the ethics, the politics, and the poetics, to consider whether Aristotle's philosophy is any longer defensible or viable.  
*Prerequisite:* One course in philosophy. *Three credit hours.*

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<p>[313] AESTHETICS</p>	<p>Problems that arise in analyses and criticisms of the arts. <i>Prerequisite:</i> Three hours of philosophy or permission of the instructor. <i>Three credit hours.</i></p>
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<p>*316 METAPHYSICS MR. PARKER</p>	<p>A study of classical Aristotelian metaphysics developed into modern times and its use as a perspective on modern metaphysical views such as existentialism and essentialism and also on such topics as the scope and grasp of being and its modes, the analogical method and fundamental principles of metaphysics, possibility and actuality, contingency and necessity, substance and accident, and causation and freedom. <i>Prerequisite:</i> One course in philosophy or permission of the instructor. <i>Three or four credit hours.</i></p>
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<p>[317] PHILOSOPHY OF SCIENCE</p>	<p>Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the social and natural sciences will be considered. <i>Three credit hours.</i></p>
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<p>†[318] ETHICS AND GENERAL THEORY OF VALUE</p>	<p>Philosophic approaches to the nature of value, especially ethical judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating to scientific findings. <i>Prerequisite:</i> Philosophy 211 or permission of the instructor. <i>Three credit hours.</i></p>
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<p>331 HISTORY OF ANCIENT PHILOSOPHY MR. PARKER</p>	<p>Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. <i>Three or four credit hours.</i></p>
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<p>332 HISTORY OF MODERN PHILOSOPHY MR. REUMAN</p>	<p>European philosophy from Descartes to the nineteenth century, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. <i>Four credit hours.</i></p>
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<p>333 PHILOSOPHY OF EDUCATION MR. HUDSON</p>	<p>Philosophical positions held by theorists from Plato to Dewey; primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of the instructor. <i>Three or four credit hours.</i></p>
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<p>*352 AMERICAN PHILOSOPHY MR. HUDSON</p>	<p>Representative thinkers in each major period and movement in American philosophical thought, and an attempt to relate the teachings of these thinkers to contemporary philosophical, educational, and social issues. <i>Three credit hours.</i></p>
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†[353] CONTEMPORARY ANALYTIC PHILOSOPHY	Major figures in the analytic tradition from 1900 to the present, with particular emphasis on Russell, Wittgenstein, and Quine. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i>
[355] INDIAN THOUGHT	Types of Indian philosophy of the ancient period. <i>Prerequisite:</i> Two semester courses in philosophy and/or religion; no previous Indian thought. <i>Three credit hours.</i>
[356] INDIAN THOUGHT	Types of Indian philosophy of the modern period. <i>Prerequisite:</i> Two semester courses in philosophy and/or religion. <i>Three credit hours.</i>
†[359] NINETEENTH-CENTURY PHILOSOPHY	Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation. <i>Prerequisite:</i> Philosophy 331 and 332, or permission of the instructor. <i>Three credit hours.</i>
†[372] PHILOSOPHY OF RELIGION	Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason. <i>Prerequisite:</i> One course in philosophy and one course in religion, or permission of the instructor. <i>Three credit hours.</i>
†[373] HISTORY OF MEDIEVAL PHILOSOPHY	History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics. <i>Prerequisite:</i> Philosophy 331. <i>Three or four credit hours.</i>
*374d1 EXISTENTIALISM AND PHENOMENOLOGY MR. PARKER	A survey of the principal thinkers of twentieth-century existential philosophy, with minor attention to phenomenology. Readings will be from some of the following: Heidegger, Sartre, Jaspers, Marcel, Buber, and Merleau-Ponty. Philosophy 359 is a desirable background but is not required. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i>
391 PHILOSOPHY SEMINAR MR. PARKER	Seminars in selected areas of philosophy. In the fall of 1979: "Mysticism." The types, expressions, interpretations, and evaluations of mystical experience in various times and places.

*Prerequisite:* Philosophy 372 or permission of the instructor. *Three credit hours.*

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392  
PHILOSOPHY SEMINAR  
MR. PARKER

Seminars in selected areas of philosophy. In the spring of 1980: "Socrates." The character, teaching, and influence of Socrates, using Plato's earlier Socratic dialogues, Xenophon, Aristophanes, and modern interpretations.

*Prerequisite:* Philosophy 133 or 331 or permission of the instructor. *Three credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Permission of the instructor. *One to four credit hours.*

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## Physical Education

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211, 212  
COACHING OF TEAM SPORTS AND  
ADMINISTRATION OF ATHLETICS  
MR. MCGEE AND STAFF

Principles and methods of coaching team sports. Policies and practices in organization and administration of athletic programs. Brief exposure to physiology of exercises and care and prevention of athletic injuries.

*Prerequisite:* Permission of the instructor. Flexible credit. *Three credit hours.*

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323, 324  
PRINCIPLES AND METHODS OF  
PHYSICAL EDUCATION  
INSTRUCTOR

Policies, practices, standards, and educational methods of secondary school physical education and coaching of individual sports. Physiology of exercise, prevention and care of athletic injuries. May be coordinated with education courses to include practice teaching.

*Prerequisite:* Permission of the instructor. Flexible credit. *Three credit hours.*

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## Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

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112  
ENERGY AND THE ENVIRONMENT  
MR. DUDLEY

An analytical treatment of systems and their interactions, demonstrating the central role of energy conversion processes in the environment. Satisfies the laboratory science requirement. *Three credit hours.*

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121, 122 GENERAL PHYSICS MR. METZ	A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, relativity, and quantum physics. Physics 211 may serve as a prerequisite for Physics 122. Fall enrollment in Mathematics 121 or prior equivalent is recommended. Lecture and laboratory. <i>Four credit hours.</i>
152 ESSENTIAL ELECTRONICS MR. BRIGGS	An introduction to modern electronics, including theory, experimentation, problem solving, and circuit design. The course starts by considering simple direct-current devices, and progresses to examining operational amplifiers, digital integrated circuits, and modern instrumentation. At each step, the significance of general concepts, such as regulation or feedback, is stressed. Self-paced. Lecture, discussion, and laboratory. Enrollment open to the limit of available equipment. <i>Four credit hours.</i>
211 INTERMEDIATE MECHANICS MR. BRIGGS	Newtonian mechanics in theory and experiment: moving coordinate systems, momentum and energy, gravitation and Kepler's laws, forced and damped harmonic motion. Special emphasis is placed on the analysis of data obtained in the laboratory, including extensive use of the computer. Lecture and laboratory. <i>Prerequisite:</i> Physics 121 or permission of the department, and Mathematics 122 (may be taken concurrently). Open to freshmen with advanced standing in calculus who have had a strong preparation in physics. <i>Four credit hours.</i>
232 ATOMIC PHYSICS MR. METZ	An intermediate treatment of the quantum physics of atoms, including atomic models, Schroedinger theory, atomic spectra, and electron spin. Emphasis is placed on the experimental evidence for modern atomic theory. <i>Prerequisite:</i> Physics 122 and Mathematics 122. <i>Four credit hours.</i>
251d INDEPENDENT ELECTRONICS MR. BRIGGS	An independent, self-paced course in electronics. May be taken as a sequel to Physics 151 for the further study of digital electronics and instrumentation. It is also intended for an advanced science student who desires to do the material of Physics 151 independently. Enrollment limited. <i>One to three credit hours.</i>
321, 322 ELECTRICITY AND MAGNETISM MR. METZ AND MR. DUDLEY	First semester: a theoretical treatment of electrostatics and magnetostatics in vacuum and material media through Maxwell's equations. Second semester: a.c. circuits, electrodynamics, relativity,

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LaGrangian and Hamiltonian Theory, and applications. Lecture and discussion.

*Prerequisite:* For 321, Physics 122 and Mathematics 221 (may be taken concurrently); for 322, Mathematics 222 (may be taken concurrently). *Four credit hours.*

331  
SOLID STATE AND NUCLEAR  
PHYSICS  
MR. BRIGGS

A continuation of Physics 232, treating the physics of solids and nuclei and including quantum statistics, molecules, electrical conductivity, nuclear models, and elementary particles.

*Prerequisite:* Physics 232 and Mathematics 221 (may be taken concurrently). *Three credit hours.*

332  
THERMODYNAMICS  
MR. BRIGGS

Concepts of temperature, energy, entropy, heat, and work, and their thermodynamic relations as developed from a microscopic point of view. Single and multicomponent systems are discussed, using both classical and quantum statistics. Lecture and discussion.

*Prerequisite:* Physics 211, 232, and Mathematics 222 (may be taken concurrently). *Four credit hours.*

333d  
MODERN PHYSICS LABORATORY  
MR. METZ AND MR. DUDLEY

Experiments in atomic and nuclear physics: fundamental physical constants, relativistic dynamics, radioactivity, diffraction, and atomic and nuclear spectroscopy. Self-paced.

*Prerequisite:* Physics 232 or permission of the instructor. *Two credit hours.*

431  
PHYSICAL OPTICS  
MR. BRIGGS

Radiation, interference, diffraction, coherence, Fourier optics, and wave propagation in media. Lecture and laboratory.

*Prerequisite:* Physics 321. *Four credit hours.*

441, 442  
QUANTUM PHYSICS  
MR. DUDLEY AND STAFF

First semester: an introduction to the mathematical formulations of nonrelativistic quantum mechanics, including Schrodinger wave mechanics, operator algebra, perturbation techniques, and electron spin. Applications to one-dimensional and simple three-dimensional systems are developed. Second semester: a continuation of the first semester, with applications as interests dictate. Lecture.

*Prerequisite:* Physics 232 or permission of the department. *Three credit hours.*

452  
SENIOR LABORATORY  
STAFF

Projects in experimental physics.

*Prerequisite:* Permission of the department. *Two credit hours.*

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491, 492

INDEPENDENT STUDY  
STAFF

Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Permission of the instructor. *Two to five credit hours.*

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## Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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†[121, 122]

PORTUGUESE AS A SECOND  
ROMANCE LANGUAGE

The spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials.

*Prerequisite:* Successful completion of intermediate French or Spanish, or indication of equivalent proficiency by placement test. *Four credit hours.*

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## Psychology

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111d

INTRODUCTION TO PSYCHOLOGY  
STAFF

An overview of contemporary psychology, introducing concepts and methods current in the field. *Three credit hours.*

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214d

RESEARCH METHODS  
STAFF

Discussion of research activities in psychology, literature search, planning and execution of experiments, other techniques of data gathering. Basic statistical principles and the interpretation of research findings.

*Prerequisite:* Psychology 111. *Three credit hours.*

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231

CONDITIONING AND INSTRUMENTAL  
LEARNING  
MR. YETERIAN

Principles of learning derived from Pavlovian and operant conditioning and their application to animal and human behavior. Lecture and laboratory.

*Prerequisite:* Psychology 111. *Four credit hours.*

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232

COGNITIVE PSYCHOLOGY  
MR. ROHRMAN

The human information processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and laboratory.

*Prerequisite:* Psychology 111. *Four credit hours.*

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- 236  
COMPARATIVE PSYCHOLOGY  
MR. YETERIAN
- A comparative examination of animal behavior from a psychological viewpoint, with emphasis on similarities and differences between species. Topics will include genetic background, development of behavior, instinctive behavior, motivation, and learning.  
*Prerequisite:* Psychology 111. *Three credit hours.*
- 
- 251d  
PSYCHOLOGY OF PERSONALITY  
MR. LESTER AND INSTRUCTOR
- Major systematic interpretations and current research in the psychology of personality, with a focus on psychodynamic, behavioristic, and humanistic approaches.  
*Prerequisite:* Psychology 111. *Three credit hours.*
- 
- 253  
SOCIAL PSYCHOLOGY  
INSTRUCTOR
- Representative topics in contemporary social psychology: affiliation, social perception, attribution, attraction, aggression, attitudes, cognitive dissonance, conformity, compliance, and group dynamics.  
*Prerequisite:* Psychology 111. *Three credit hours.*
- 
- 254  
ABNORMAL PSYCHOLOGY  
MR. LESTER AND INSTRUCTOR
- The dynamics and treatment of abnormal behavior, with emphasis on theoretical approaches, clinical syndromes, and current research.  
*Prerequisite:* Psychology 251. *Three credit hours.*
- 
- 255d  
CHILD DEVELOPMENT  
MR. ZOHNER
- Principles of psychological development from conception through preadolescence, from a biological, sociocultural, and psychodynamic perspective. Formerly included in Psychology 252.  
*Prerequisite:* Psychology 111. *Three credit hours.*
- 
- 256  
ADOLESCENT AND ADULT DEVELOPMENT  
MR. ZOHNER
- Principles of psychological development from adolescence through senescence. Particular emphasis will be placed on the individual's typical attempts to cope with changes in physical structure, social roles, and personal identity. Formerly included in Psychology 252.  
*Prerequisite:* Psychology 255. *Three credit hours.*
- 
- 272  
PHYSIOLOGICAL PSYCHOLOGY  
MR. YETERIAN
- The study of neural processes underlying experience and behavior; the ways in which the nervous system codes perception, movement, hunger, sleep, attention, motivation, memory, and learning. Lecture and laboratory.  
*Prerequisite:* Psychology 214 and two semester courses in biology, or permission of the instructor. *Four credit hours.*
- 
- 273  
SENSATION AND PERCEPTION  
MS. SKOWBO
- The major human senses (vision, audition, somesthesis, taste, smell) studied as physiological systems and as intermediaries between the physical and perceived environments.

*Prerequisite:* Psychology 214 or permission of the instructor. *Three credit hours.*

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- 274  
PSYCHOLOGICAL TESTS AND MEASUREMENTS  
MR. LESTER
- The theory and problems of psychological measurement, with special emphasis on the construction and application of psychological tests.  
*Prerequisite:* Psychology 214 or permission of the instructor. *Three credit hours.*
- 
- 371  
ADVANCED EXPERIMENTAL PSYCHOLOGY  
MR. ZOHNER
- Experimental design and application of inferential statistics. Strongly recommended for those students interested in graduate school.  
*Prerequisite:* Psychology 272 or 273 or 274. *Three credit hours.*
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- [374]  
MOTIVATION
- A theoretical and historical analysis of current research in motivation, focusing on such topics as drive, reinforcement, consummatory behavior, aggression, emotion, sleep, and imprinting.  
*Prerequisite:* Psychology 214. *Three credit hours.*
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- \*432  
PSYCHOLOGY OF LANGUAGE  
MR. ROHRMAN
- Selected topics in psycholinguistics, language and thought, production and comprehension of sentences, the role of linguistic entities in psychological processes. Will normally include an independent research project.  
*Prerequisite:* Psychology 111 and permission of the instructor. *Three credit hours.*
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- \*451  
ADVANCED PERSONALITY AND ABNORMAL PSYCHOLOGY  
MR. LESTER AND INSTRUCTOR
- In-depth exploration of selected topics in personality and abnormal psychology. Will normally include an independent research project.  
*Prerequisite:* Psychology 254 and permission of the instructor. *Three credit hours.*
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- \*452  
ADVANCED DEVELOPMENTAL PSYCHOLOGY  
MR. ZOHNER
- Selected topics in developmental psychology. Will normally include an independent research project.  
*Prerequisite:* Psychology 255 or 256, and permission of the instructor. *Three credit hours.*
- 
- \*472  
ADVANCED PHYSIOLOGICAL PSYCHOLOGY  
MR. YETERIAN
- Selected topics in physiological psychology. Will normally include an independent research project.  
*Prerequisite:* Psychology 272 and permission of the instructor. *Three credit hours.*
- 
- †[473]  
VISUAL PSYCHOPHYSICS
- A detailed examination of the characteristics of the human visual system. Will normally include an independent research project.

*Prerequisite:* Psychology 273 and permission of the instructor.  
*Three credit hours.*

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479  
HISTORY AND SYSTEMS OF  
PSYCHOLOGY  
MR. ROHRMAN

The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis.

*Prerequisite:* Senior standing as a psychology major or permission of the instructor. *Three credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Permission of the department. *One to four credit hours.*

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494  
SENIOR SEMINAR  
STAFF

An integrative approach to selected problem areas in psychology. Students will be expected to prepare and deliver seminar papers on advanced topics. The score on the psychology advanced test of the graduate record examination will constitute a component of the course grade.

*Prerequisite:* Senior standing as a psychology major. *Three credit hours.*

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## Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

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121, 122  
INTRODUCTION TO WESTERN  
RELIGION  
MR. TODRANK

The Judaeo-Christian tradition in historical perspective: basic beliefs, institutions, and movements characteristic of successive epochs, and their influence on western culture. *Three credit hours.*

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†[217]  
RELIGION IN AMERICA

The beliefs and practices of Protestantism, Catholicism, and Judaism as examined against the background of a historical survey of religion in American life, leading to an exploration of selected issues of current interest in American religion. *Three or four credit hours.*

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†[218]  
THE SCIENTIFIC STUDY OF  
RELIGION

Methodologies and classical studies in the disciplines of anthropology, sociology, psychology, history of religions, economics, art history, and theology. *Three credit hours.*



223, 224 BIBLICAL LITERATURE MR. LONGSTAFF	Biblical literature in terms of its historical and cultural context, its original meaning, and its relevance to the contemporary world. The first semester deals with the Old Testament; the second, with the Apocrypha and the New Testament. <i>Three or four credit hours.</i>
[277], *278 RELIGIOUS PERSPECTIVES MR. BASSETT AND MR. LONGSTAFF	Interdisciplinary considerations of various topics. In the spring of 1980: "Biblical Images in American Literature." A team-taught examination of biblical characters, themes, and narratives in American literature, exploring the several dimensions of myths, symbols, and images in American thought and culture. <i>Three credit hours.</i>
281, 282 CULTURAL EUTHENICS: A NEW ADAM AND A NEW EDEN MR. TODRANK	First semester: the relationship between the life-style of modern man and the current environmental crisis, and the resulting urgent need for a new "Adam" and a new "Eden." Second semester: an analysis of some of the economic, political, ethical, and religious aspects of essential reforms to achieve a new era for a new earth. Faculty members from other departments will participate in panel discussions of the basic issues. <i>Three or four credit hours.</i>
311 INDIAN RELIGIONS AND ISLAM INSTRUCTOR	A survey of the religious traditions of India and Islam. <i>Three credit hours.</i>
312 EAST ASIAN RELIGIONS INSTRUCTOR	A survey of Buddhism, Taoism, and Confucianism, with emphasis on Jodo and Zen traditions. <i>Prerequisite:</i> Religion 311 or a course in East Asian history or culture. <i>Three credit hours.</i>
†[316] CONTEMPORARY WESTERN THEOLOGY	A survey of modern methods and styles in theological discourse, including examples of the use of poetry, drama, art, and music. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
[319] PRIMITIVE RELIGION	Archaic and primitive religious life. The religion of aborigines, Polynesians, African and Latin-American tribes, and North American Indians. <i>Prerequisite:</i> One course in philosophy or religion. <i>Three credit hours.</i>

†[351] THE BOOK OF JOB	The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems. <i>Prerequisite:</i> Religion 121 or 223. <i>Three credit hours.</i>
*352 THE THEOLOGY OF PAUL MR. LONGSTAFF	Paul's letters, and the controversies that prompted them, will be studied as a basis for understanding Pauline theology, its relation to other elements of first-century Christianity, and its influence on later western thought. <i>Prerequisite:</i> Religion 224. <i>Three credit hours.</i>
*353 THE GREAT PROPHETS OF ISRAEL MR. LONGSTAFF	An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times. <i>Prerequisite:</i> Religion 223. <i>Three credit hours.</i>
†[358] JESUS OF NAZARETH	A critical study of the Gospel materials dealing with the life and teaching of Jesus. Giving attention to method, the course will examine some of the recent literature on the topic. <i>Prerequisite:</i> Religion 224 and permission of the instructor. <i>Three credit hours.</i>
†[372] PHILOSOPHY OF RELIGION	Listed as Philosophy 372 (q.v.). <i>Three credit hours.</i>
†[373] HISTORY OF MEDIEVAL PHILOSOPHY	Listed as Philosophy 373 (q.v.). <i>Three or four credit hours.</i>
391, [392] RELIGION SEMINAR MR. LONGSTAFF	Seminars in selected areas of religion. In the fall of 1979: "Biblical Archaeology: Its Methods and Results." After preliminary consideration of the principles and methods of field archaeology (as practiced in the Near East), the seminar will study the results of several important excavations that have contributed greatly to an understanding of the Bible and of the ancient Near East in general. <i>Prerequisite:</i> Religion 121 or 223 (may be taken concurrently). <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i>

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# Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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| <p>121, 122<br/>ELEMENTARY RUSSIAN<br/>MR. MILLER</p>                | <p>Introduction to the language by an audio-lingual method, with emphasis on understanding spoken Russian and on learning the structure of the language. The use of taped structural drills in the language laboratory is an integral part of the course. <i>Four credit hours.</i></p>  |
| <p>123, 124<br/>INTERMEDIATE RUSSIAN<br/>MR. MILLER</p>              | <p>Continued study of grammar, with emphasis on vocabulary building, reading, and self-expression. The use of taped materials in the language laboratory continues as an integral part of the course.<br/><i>Prerequisite:</i> Russian 122 or two years of high school Russian and appropriate score on the placement test. <i>Four credit hours.</i></p>                          |
| <p>†[223, 224]<br/>RUSSIAN CULTURE AND<br/>CIVILIZATION</p>          | <p>An introduction to Russian civilization from its origins to the present day. Conducted in English; no knowledge of Russian required. <i>Three credit hours.</i></p>   |
| <p>225, 226<br/>ADVANCED RUSSIAN<br/>MR. MILLER</p>                  | <p>Grammar review and practice in oral and written expression. Additional practice in Russian phonetics and intonation. Analysis of literary and nonliterary texts of Modern Standard Russian. The course includes language laboratory work. Conducted in Russian and English.<br/><i>Prerequisite:</i> Russian 124 or permission of the instructor. <i>Four credit hours.</i></p> |
| <p>*237<br/>RUSSIAN LITERATURE IN<br/>TRANSLATION<br/>MR. MILLER</p> | <p>A survey of the most important works in Russian literature from its beginning until Dostoevsky's death. Representative works of Pushkin, Lermontov, Gogol, Goncharov, Shchedrin, and Dostoevsky. <i>Three credit hours.</i></p>   |
| <p>*238<br/>RUSSIAN LITERATURE IN<br/>TRANSLATION<br/>MR. MILLER</p> | <p>Tolstoy through the Soviet period. Representative works of Tolstoy, Chekhov, Bely Mayakovsky, Sholokhov, Pasternak, and Solzhenitsyn. <i>Three credit hours.</i></p>  |
| <p>491, 492<br/>INDEPENDENT STUDY<br/>INSTRUCTOR</p>                 | <p>Individual readings in areas of the student's major interest.<br/><i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p>   |

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## Selected Topics

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-97, -98

STUDY OF SELECTED TOPICS

Each department and interdisciplinary major may from time to time offer special courses not otherwise included in its regular course listing. When such a course is offered, it will be listed under the appropriate subject heading. The first digit of its number will depend on the level at which it is offered. Titles, descriptions, prerequisites, and number and type of credits will be determined by the department or interdisciplinary major offering the course, and will be available at registration.

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## Sociology

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112

INTERACTION PROCESS ANALYSIS  
MR. ROSENTHAL

Theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concepts, theory, and observation of the group. Enrollment limited.

*Prerequisite:* Freshman standing, no previous sociology, and permission of the instructor. *Three credit hours.*

121e, 122

PRINCIPLES OF SOCIOLOGY  
STAFF

Human society: its growth, institutions, activities, and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. *Three credit hours.*

211, 212

SHORT COURSES IN SOCIOLOGY  
STAFF

During each semester several different short courses will be offered. A student may take any or all; however, registration is required for each course. Each course will run approximately four to six weeks. By department rule, dropping or adding any short course must be done *prior* to the second meeting of the class. Short courses for the fall of 1979 are: (A) "The 1920's: Dim Echoes of the Roaring Twenties" (Mr. Geib); (B) "The 1930's: The Depression, a Time for Remembrance" (Mr. Geib). Short courses for the spring of 1980 are: (A) "The 1940's: The Obscure Decade" (Mr. Geib); (B) "The 1950's: The Placid Decade" (Mr. Geib); (C) "The Franco-American Experience in New England" (Mr. Rosenthal).

*Prerequisite:* Sociology 121, 122, and permission of the instructor. *One or two credit hours per short course.*

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231 CONTEMPORARY SOCIAL ISSUES MR. DOEL	<p>Analysis of selected controversial issues in contemporary society. General theoretical frameworks in the sociology of social problems will be considered to analyze several social issues from one or more perspectives. Special attention given to areas such as alienation, economics and political freedom, poverty and social inequality.</p> <p><i>Prerequisite:</i> Sociology 121 or permission of the instructor. <i>Three credit hours.</i></p>
232 HUMAN ECOLOGY MR. DOEL	<p>The spatial distribution of people and institutions from prehistoric to the present time. Consideration given to the relationship between human society and the ecosystem concept: theory of demographic transition; world population growth in terms of fertility, migration, and mortality; individual and institutional competition in space; and environmental carrying capacity.</p> <p><i>Prerequisite:</i> Sociology 122 or permission of the instructor. <i>Three credit hours.</i></p>
†[233] CRIMINOLOGY	<p>Crime in social and cultural perspective, conditions and situations that encourage antisocial conduct, the philosophy and practice of punishment, and programs for reducing or eliminating crime.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
237 THE SOCIOLOGY OF CHILD DEVELOPMENT MR. ROSENTHAL	<p>The family as transmitter of the culture, relationships between social forces acting upon the family and the socialization process, and relationships between family characteristics, transmission, and socialization.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
252 RACE AND MINORITIES MR. ROSENTHAL	<p>Major problems of race and minority groups, focusing on contemporary United States.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
†[253] URBAN SOCIOLOGY	<p>An eclectic study of the city as a sociological phenomenon: the historical and ecological development of the city, population and selective migration, group life and personality, and organization and disorganization of urban areas. Formerly listed as Sociology 353.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
271 INTRODUCTION TO SOCIOLOGICAL RESEARCH METHODS MR. MORRIONE	<p>Introduction to a variety of research methods employed by sociologists. Topics include problem determination, the logic of inquiry, the relation between theory and research, research design, sampling, and techniques for data collection and analysis.</p> <p><i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i></p>

273 THE FAMILY MS. ROSE	A historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture. <i>Prerequisite: Sociology 121, 122. Three credit hours.</i>
*274 SOCIAL STRATIFICATION MR. DOEL	Social classes of North America, as portrayed through the literature of community studies. Emphasis will center on the culture of the middle class. <i>Prerequisite: Sociology 121, 122. Three credit hours.</i>
311d2 HISTORY OF SOCIOLOGICAL THEORY MR. BIRGE	The history of sociology, and a critical examination of the systems of thought about society and social action. The place of theory in social research is emphasized. <i>Prerequisite: Sociology 121, 122. Three credit hours.</i>
313 HISTORY OF SOCIAL THOUGHT MR. DOEL	Survey of man's ideas about human nature and the social order, centered on social thinkers prior to the development of sociology. Selected social thoughts of civilized man prior to Comte. <i>Prerequisite: Sociology 121, 122 or permission of the instructor. Three credit hours.</i>
[314] SOCIOLOGY OF RELIGION	The relationship between religion and society. Major world religions and those of primitive peoples, analyzed in terms of origin, development, and function within social systems. Modes of human adjustment to the natural world in folklore and myth. <i>Prerequisite: Sociology 121 or permission of the instructor. Three credit hours.</i>
†[316] SPECIAL TOPICS IN SOCIOLOGY	Topics in selected areas of sociology. <i>Prerequisite: Permission of the instructor. Three credit hours.</i>
318 CONTEMPORARY THEORY MR. MORRIONE	An analysis of the contemporary state of sociology as a discipline. Special attention given to critical theory, phenomenology, ethno-methodology, symbolic interactionism, and existential sociology. <i>Prerequisite: Sociology 121, 122 and permission of the instructor. Three credit hours.</i>
*334 SOCIAL DEVIANCE MR. MORRIONE	Definitions of deviance and theories of explanation and analysis of deviant behavior. Readings and discussions will emphasize the history and development of contemporary perspectives. <i>Prerequisite: Sociology 121 and permission of the instructor. Three credit hours.</i>

<p>*338d1          NORMATIVE SOCIAL THEORY          MR. BIRGE</p>	<p>Normative social theory, with special emphasis upon such works as Plato's <i>Republic</i>, Bellamy's <i>Looking Backward</i>, More's <i>Utopia</i>, and Skinner's <i>Walden Two</i>.  <i>Prerequisite</i>: Sociology 121, 122. <i>Three credit hours</i>.</p>
<p>*361, 362          CULTURAL ANTHROPOLOGY          MR. BIRGE</p>	<p>Introductory anthropology, with special emphasis on the implications of the social and cultural experiences of primitive people for modern society.  <i>Prerequisite</i>: Sociology 121, 122. <i>Three credit hours</i>.</p>
<p>371, 372          PRACTICUM IN SOCIOLOGICAL RESEARCH          STAFF</p>	<p>Under supervision of a faculty member, on a tutorial basis, each student will develop and pursue a sociological research project of limited scope. Although survey research is the design most frequently chosen, alternate modes appropriate to the problem defined and data derived may be developed (e.g., field studies, field experiments, laboratory experiments, participant observation, content analysis).  <i>Prerequisite</i>: Sociology 271 and permission of the instructor.  <i>Three or four credit hours</i>.</p>
<p>†[391]          SOCIAL CHANGE</p>	<p>Although a historical approach is used at times, this course is primarily theoretical. The mechanisms, functions, and consequences of social change. Particular attention is given to the relevance of social change for the social order.  <i>Prerequisite</i>: Sociology 121, 122. <i>Three credit hours</i>.</p>
<p>[393]          COMPLEX SOCIAL ORGANIZATIONS</p>	<p>Utilizing a historical perspective and sociological orientation, this course will examine the existing and empirical data and theoretical concepts dealing with the behavior of people in business and other organizations.  <i>Prerequisite</i>: Sociology 121, 122. <i>Three credit hours</i>.</p>
<p>†[394]          COLLECTIVE BEHAVIOR          MR. GEIB</p>	<p>A course that seeks to shed light on the plight of contemporary man through the examination of the various instances of collective behavior—crowds, masses, publics, and social movements—and the forces that mold each. Consideration is given also to public opinion, propaganda, communication and the major mass media, and their functions in modern society.  <i>Prerequisite</i>: Sociology 121, 122 or permission of the instructor.  <i>Three credit hours</i>.</p>
<p>401, 402          SOCIOLOGY SEMINAR          MR. GEIB</p>	<p>Major problems of sociology as a science. Much of the work is devoted to individual projects developed from group discussions.  <i>Prerequisite</i>: Senior standing and permission of the instructor.  <i>Three credit hours</i>.</p>

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491, 492

INDEPENDENT STUDY

STAFF

Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Senior standing and permission of the department.  
*Two to four credit hours.*

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## Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 128 are conducted in Spanish. Spanish 142 or permission of the instructor is required for all courses numbered 200 or higher.*

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121, 122

ELEMENTARY SPANISH

STAFF

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

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123, 124

INTERMEDIATE SPANISH

STAFF

Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin-American literature. Studies and grammar review supplemented with drill work in the laboratory.

*Prerequisite:* Spanish 122 or two years of high school Spanish and appropriate score on the placement test. Permission of the department required to take 124 without 123. *Four credit hours.*

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127, 128

INTENSIVE INTERMEDIATE SPANISH

STAFF

An expanded intermediate course similar in format to Spanish 123, 124 for those students desiring additional exposure to the language. Recommended for those planning to continue in Spanish. Spanish 127 alone will not satisfy the language requirement.

*Prerequisite:* Spanish 121, 122 with a grade of *A* or *B*, or equivalent. *Four credit hours.*

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131

CONVERSATION AND COMPOSITION

STAFF

Language review with emphasis on oral expression, written composition, and vocabulary development.

*Prerequisite:* Spanish 124 or appropriate CEEB score. *Three credit hours.*

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141, 142

INTRODUCCIÓN AL MUNDO

HISPÁNICO

STAFF

The Hispanic tradition reflected in the works of major figures of Spain and Latin America.

*Prerequisite:* Spanish 124. *Three credit hours.*



232 ADVANCED SPANISH STAFF	A review of Spanish grammar at the advanced level, with directed themes and free composition. <i>Prerequisite:</i> Spanish 131, 141, or appropriate CEEB score. <i>Four credit hours.</i>
†[255] NINETEENTH-CENTURY SPANISH LITERATURE	Representative works of romanticism and realism. <i>Three credit hours.</i>
*256d1 THE GENERATION OF 1898 MR. PLASENCIA	The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. <i>Four credit hours.</i>
†[257] MODERN SPANISH LITERATURE	The literature of twentieth-century Spain through Federico García Lorca. <i>Four credit hours.</i>
*258 THE CONTEMPORARY SPANISH NOVEL MR. CAUZ	The Spanish novel after the Spanish Civil War. <i>Four credit hours.</i>
261d2, [262] LATIN-AMERICAN LITERATURE MS. DOEL	First semester: Latin-American literature from the colonial period through the nineteenth century. Second semester: literature from the Modernistas through Rómulo Gallegos. <i>Three or four credit hours.</i>
*297 THE SEVENTEENTH-CENTURY THEATER IN FRANCE AND SPAIN: A SOCIO-LITERARY DOCUMENT MR. CAUZ AND MR. FILOSOFO	A literary and social analysis of representative works of Spanish and French dramatists of the <i>Siglo de Oro</i> and <i>Grand Siècle</i> . Readings of Spanish works will be in the original and French works in their Spanish translation. <i>Prerequisite:</i> Spanish 141 or higher. <i>Four credit hours.</i>
332 CONTEMPORARY LATIN-AMERICAN LITERATURE MR. HOLLAND	Authors to be studied will include Carlos Fuentes, García Márquez, and Vargas Llosa. <i>Four credit hours.</i>
†[337] MEDIÉVAL SPANISH LITERATURE	Medieval Spanish classics: <i>El Cid</i> , <i>El libro de buen amor</i> , <i>La Celestina</i> , and <i>El romancero</i> . <i>Three or four credit hours.</i>
†[351] EL SIGLO DE ORO	The Spanish classical theater, the picaresque novel, and selected works of Cervantes. <i>Four credit hours.</i>

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†[352]  
DON QUIJOTE

Study and analysis of *Don Quijote de la Mancha*. *Four credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Permission of the instructor. *Two to four credit hours.*

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[493], 494  
SEMINAR IN SPANISH AND LATIN-  
AMERICAN LITERATURE  
MR. HOLLAND

Topics, which change each semester, may cover an author, a genre, or a literary movement. The topic for spring 1980 will be Mario Vargas Llosa.

*Prerequisite:* Permission of the instructor. *Three or four credit hours.*

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499d  
LANGUAGE TEACHING  
STAFF

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded.

*Prerequisite:* Permission of both instructors. Flexible credit. *One or two credit hours.*

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## Student-Taught Courses

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-99d  
STUDENT-TAUGHT COURSES

Student-organized and student-taught courses are offered from time to time in various departments and programs. Any such course must have a faculty sponsor and be approved by the educational policy committee. No student may register for more than three credits in such courses in any one semester unless he or she has completed or is concurrently completing the 105-basic-hour requirement. Nongraded. Flexible credit. *One to three credit hours.*

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## Western Civilization

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491, 492  
INDEPENDENT STUDY  
STAFF

Individual study of special problems in western civilization in areas where the student has demonstrated the interest and competence necessary for independent work.

*Prerequisite:* Permission of the instructor and the program director. *One to three credit hours.*

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493, 494

SEMINAR IN WESTERN CIVILIZATION  
STAFF

Interdisciplinary seminars conducted by at least two members of the western civilization advising faculty, leading to the composition of a major essay. Required of all senior majors in western civilization. *Three credit hours.*

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WESTERN CIVILIZATION MAJOR

Attention is called to the major in studies in western civilization, incorporating courses from several departments. Courses approved for this major are listed in the section on Interdisciplinary Studies (q.v.).

# Career Planning

The programs of the office of career planning are designed to help students become aware of their interests, skills, and values, and how they relate to the professions.

Workshops are offered to all underclassmen in career planning, determining job skills, graduate school planning, and other areas that are relevant to making career choices. Prelaw, prebusiness, and premedical advising is started early to assure preparation for related professions. Personal counseling is available from faculty members and the staff of the career planning office.

Colby offers a variety of programs through which students may experience the professions. Internships, independent study projects during January, summer job workshops, alumni advisory panels, professional-school discussion workshops, and the availability of flexible credits for related experiences are some of these opportunities.

Underclassmen may use the extensive computer system of Interactive Guidance and Information, designed by the Educational Testing Service in Princeton, New Jersey. This three- to six-hour computer program provides skills testing, value determination, and thorough information about hundreds of professions.

The office provides a lifetime reference file service and information on summer jobs, internships, professional schools, and fellowships.

Through counseling, career workshops, systems for practical professional training, and an extensive library, the office of career planning is committed to the belief that a broad understanding of the professions and practical experience are essential in preparing for a vocation.

## ARTS AND SCIENCES

Every year, Colby graduates enter many different graduate schools to work toward advanced degrees in art, music, history, classics, English, economics, modern languages, sociology, psychology, philosophy, or the natural sciences. Interested students should confer with the chairmen of their departments and their major advisers.

## BUSINESS

Graduate programs in administrative science at such institutions as Harvard, Chicago, Cornell, the Wharton School of the University of Pennsylvania, and the Amos Tuck School at Dartmouth continue to attract many Colby graduates. Early in their college careers, interested students should seek counsel from members of the department of administrative science. Seniors are urged to take the graduate management admission test.

## EDUCATION

Three career paths in education are available to the graduate: (1) a secondary-school-teaching position if certified; (2) an education-

related nonteaching position in government at the federal, state, or local level, or in the private sector in business, industry, human services, or the helping professions; (3) graduate study to obtain a certificate in teaching, special education, guidance, library, or administration. Career guidance and counseling are available from Professor Jacobson, Director of the Office of Education, 112 Lovejoy.

## ENGINEERING

Colby College, the University of Rochester, and Case-Western Reserve University are affiliated in joint programs whereby a student may acquire an education in the liberal arts and also in engineering in a five-year period, with three years spent at Colby and two at either Rochester or Case-Western Reserve. On successful completion of the program, the student may be awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from the chosen university.

While at Colby, the engineering student must attain mastery of the necessary mathematics and science to support him in the intensive study of engineering that will follow. In his Colby program, however, he is assured a broad grounding in the humanities and social sciences as well.

Students graduating in this program are exempt from Colby's usual requirement of residence during the senior year, but all other graduation requirements must be met.

The chairman of the physics department serves as adviser to students intending to enter the joint program. He should be consulted early in a student's Colby career to plan for meeting university requirements.

Another option for the student who wants ultimately to be an engineer but also wants a liberal arts college education is a regular physics or chemistry major at Colby, followed by engineering studies in a graduate school. Members of those departments are prepared to advise students who make this choice.

## LAW AND GOVERNMENT SERVICE

The committee on professional preparation for law and government service advises students preparing for careers in these areas. The prelaw student may major in any field. Students will profit from early consultation with members of the committee as to which courses would provide the strongest possible liberal arts background for the study of law. The law-school admission test is given at the college each year.

## MEDICINE AND DENTISTRY

Medical schools do not require a particular major but do require high standing and the inclusion of biology, chemistry, physics,

mathematics, English, and foreign languages in the student's college program. It is strongly advised that mathematics be pursued at least through the first year of calculus. Organic and general chemistry are required.

The medical-college admission test is ordinarily taken in the spring of the student's junior year.

Although some dental schools admit applicants after three years, and sometimes after only two years, of college work, the leading schools prefer students with a college degree. Each applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which vary with different dental schools.

The dental-college admission test is ordinarily taken in the spring of the junior or fall of the senior year.

Each interested student should consult a member of the committee on professional preparation for medicine and dentistry early in his freshman year.

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#### THEOLOGY

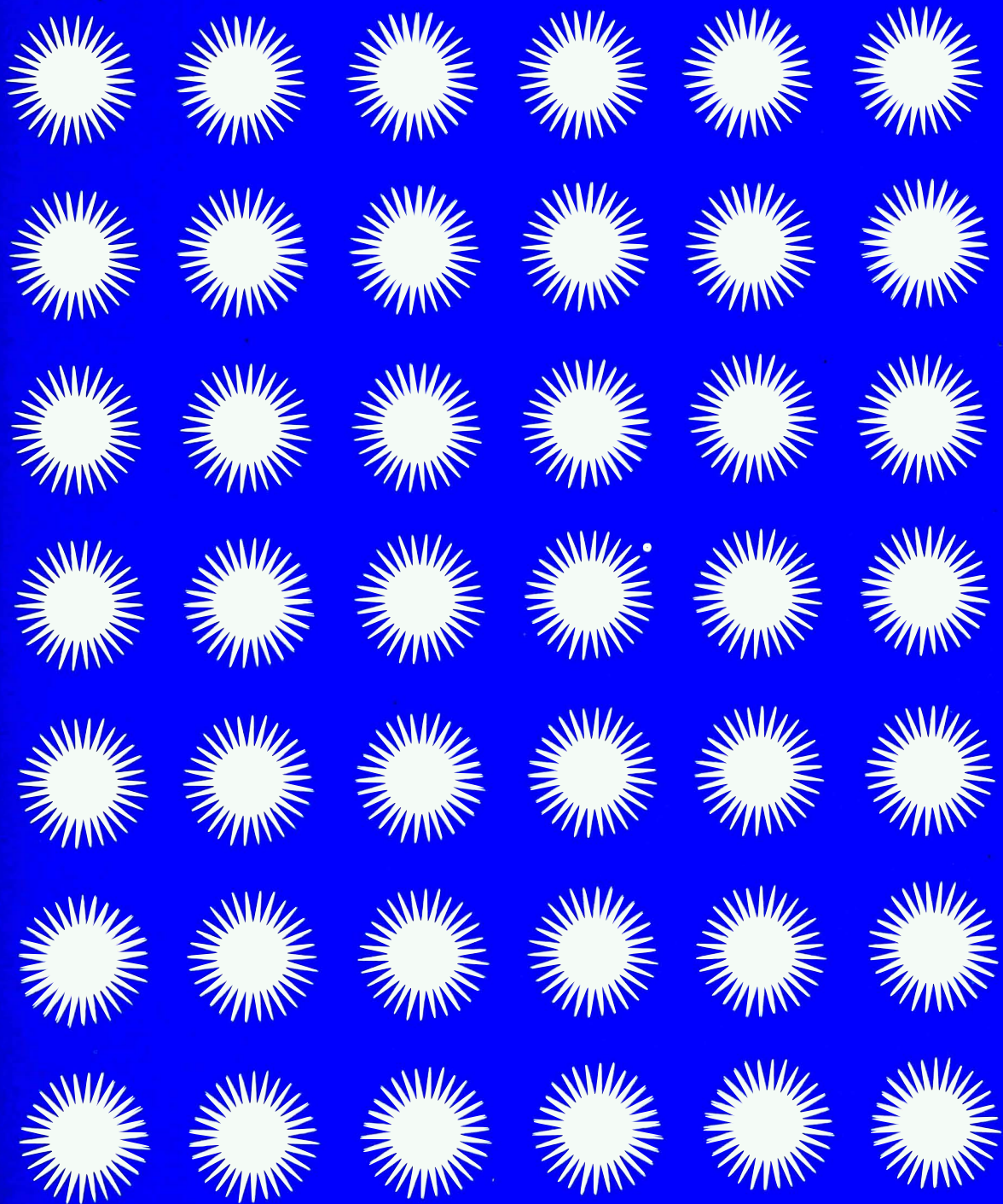
Colby has a long tradition of preparing graduates for the ministry. There are representatives of Colby alumni among the clergy of many denominations, and over the years a considerable number have done missionary work.

The theological preparation committee, in cooperation with the college chaplain, serves as adviser to students who plan to enter seminaries.

Students preparing for the ministry are assisted in attending seminary conferences by grants from the Clarence R. Johnson Conference Fund.

# III

# Directories and Appendices



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<sup>1</sup>Honorary life member.

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<sup>1</sup>1978-79 only.

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---

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*Professor of Modern Languages, Emeritus*

PHILIP STEWART BITHER, M.A.  
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*Professor of English, Emeritus*

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*Professor of English, Emeritus*

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*Dana Professor of Psychology, Emeritus*

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*Merrill Professor of Chemistry, Emeritus*

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*Professor of Education, Emeritus; Dean, Emeritus*

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*Professor of Modern Languages, Emeritus*

ALLAN CHARLES SCOTT, PH.D.

*Dana Professor of Biology, Emeritus*

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NORMAN SWASEY SMITH, M.ED.

*Associate Professor of Education, Emeritus*

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*Wadsworth Professor of Administrative Science, Emeritus; Administrative Vice-President, Emeritus*

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*Professor of Music*

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*Roberts Professor of English Literature*

MIRIAM FRANCES BENNETT, PH.D. (Carleton, Mount Holyoke,  
Northwestern)

*Dana Professor of Biology*

CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh)

*Professor of History*

KINGSLEY HARLOW BIRGE, PH.D. (Dartmouth, Yale)

*Professor of Sociology*

MARJORIE DUFFY BITHER, M.A. (Simmons, Columbia)

*Professor of Physical Education*

JEAN D. BUNDY, PH.D. (Washington State, Wisconsin)

*Dana Professor of French Literature*

JAMES MORTON CARPENTER, PH.D. (Harvard)

*Jetté Professor of Art*

FRANCISCO ANTONIO CAUZ, PH.D. (Villanova, Middlebury, Rutgers)

*Professor of Modern Languages (Spanish)*

WILFRED JAMES COMBELLACK, PH.D. (Colby, Boston University)

*Professor of Mathematics*

EILEEN MARY CURRAN, PH.D.<sup>3</sup> (Cornell, Cambridge, Cornell)

*Professor of English*

FREDERICK ARTHUR GEIB, PH.D. (New Hampshire, Brown, Syracuse)

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Pennsylvania)

*Professor of Economics*

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*Professor of Psychology; Associate Dean of Students*

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Economics)

*The Grossman Professor of Economics*

HENRY HOLLAND, PH.D. (Maine, Harvard, Madrid)

*Professor of Modern Languages (Spanish)*

YEAGER HUDSON, PH.D. (Millsaps, Boston University)

*Professor of Philosophy*

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*Professor of Psychology*

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*Associate Professor of Mathematics*



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Programs*

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*Associate Professor of English*

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DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas, Connecticut)  
*Associate Professor of Mathematics*

WAYNE LEE SMITH, PH.D. (Hartwick, Pennsylvania State)  
*Associate Professor of Chemistry*

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*Associate Professor of English*

THOMAS HARRY TIETENBERG, PH.D. (U.S.A.F. Academy, University of the East in the Philippines, Wisconsin)

*Associate Professor of Economics*

FLOYD CELAND WITHAM, M.A. (Colby, Stanford)

*Associate Professor of Speech in the Department of English*

GLENN DORIN Zohner, PH.D. (Brigham Young, Massachusetts)

*Associate Professor of Psychology*

ASSISTANT PROFESSORS ROGER WILSON BOWEN, PH.D. (Wabash, Michigan, British Columbia)

*Assistant Professor of Government*

JONATHAN BRIGGS, PH.D.<sup>3</sup> (Dartmouth, Harvard)

*Assistant Professor of Physics*

IRENE SHEILA CANNON-GEARY, PH.D.<sup>4</sup> (Clark, Brown)

*Assistant Professor of Modern Languages (German)*

ARTHUR KINGSLEY CHAMPLIN, PH.D. (Williams, Rochester)

*Assistant Professor of Biology*

RICHARD JOSEPH CLAREY, PH.D.<sup>4</sup> (Bowdoin, Amos Tuck, Cornell)

*Assistant Professor of Administrative Science*

FREDERICK RUSSELL COLE, PH.D. (Massachusetts, Illinois)

*Assistant Professor of Biology*

WALDO HERBERT COVELL, M.ED. (Maine)

*Adjunct Assistant Professor of Physical Education*

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*Assistant Professor of Sociology*

MARTIN DONOVAN DOOLEY, PH.D. (Indiana, Wisconsin)

*Assistant Professor of Economics*

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*Assistant Professor; Vice-President for Development*

LEE NATHAN FEIGON, PH.D. (California at Berkeley, Chicago, Wisconsin)

*Assistant Professor of History*

DAVID H. FIRMAGE, PH.D. (Brigham Young, Montana)

*Assistant Professor of Biology*

JOHN ANTHONY GOULET, PH.D. (Worcester Polytechnic, Rensselaer Polytechnic)

*Assistant Professor of Mathematics*

- ARTHUR DAVID GREENSPAN, PH.D. (Columbia, Indiana)  
*Assistant Professor of Modern Languages (French)*
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*Assistant Professor of Education and History*
- RICHARD JOHN MCGEE, B.S. in ED. (Maine)  
*Assistant Professor of Physical Education*
- JAMES RICHARD MCINTYRE, PH.D. (Michigan State)  
*Assistant Professor of Modern Languages (German)*
- FRANK JOSEPH MILLER, PH.D. (Florida State, Indiana)  
*Assistant Professor of Modern Languages (Russian)*

MARGARET KOONS MILLER, M.A.<sup>6</sup> (Wooster)  
*Assistant Professor of Art*

CHRISTINE ELIZABETH MITCHELL-WENTZEL, M.A. (Massachusetts,  
Michigan)  
*Adjunct Assistant Professor of Dance*

THOMAS JACK MORRIONE, PH.D. (Colby, New Hampshire, Brigham  
Young)  
*Assistant Professor of Sociology*

RICHARD JAMES MOSS, PH.D. (Michigan State)  
*Assistant Professor of History*

ROBERT EDWARD MULLER, PH.D. (Cornell, S.U.N.Y. at Stony Brook)  
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*Adjunct Assistant Professor of Physical Education; Director of  
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*Assistant Professor of Chemistry*

MAURICE GEORGES OUDIN, PH.D. (Montana State, Oregon)  
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*Director of Museum of Art*

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*Reference Librarian*

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IN APPLIED MUSIC *Concertmaster*

GORDON BOWIE, M.MUS.ED. (Colby, Colorado)  
*Trombone and Brass; Director of Colby Band*

FREDA GRAY-MASSÉ, B.A. (Maine)  
*Voice*

THOMAS HOFFMANN, M.M. (Syracuse)  
*Classical Guitar*

ADRIAN LO, M.M. (Indiana, Smith)  
*Violin, Viola, and Electronic Music*

JEAN ROSENBLUM, B.A. (Oberlin)  
*Flute*

WILLIAM WALLACE, B.M. (Oberlin)  
*Piano*

<sup>1</sup>On leave full year 1978-79.

<sup>2</sup>On leave first semester 1978-79.

<sup>3</sup>On leave second semester 1978-79.

<sup>4</sup>First semester only 1978-79.

<sup>5</sup>Second semester only 1978-79.

<sup>6</sup>Part-time 1978-79.

<sup>7</sup>Part-time first semester 1978-79.

<sup>8</sup>Part-time second semester 1978-79.

<sup>9</sup>January program only 1979.

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COLLEGE COMMITTEES

1978-79

The president of the college, and in his absence the vice-president for academic affairs, shall be a member ex officio of all committees of the college. The first-named member of each committee is its chairman except where otherwise indicated. Names with numerals following in parentheses are elected members; the numerals indicate the year of expiration of the term on the committee.

ADMINISTRATIVE President Strider / Vice-Presidents Jenson, Pullen / Professors Jacobson ('79), Hayslett ('80), Weiss ('81) / Dean of Students Smith / Assistant to the President Dyer / Professor Samuel, secretary, nonvoting / three students: Ms. Pniewski, Messrs. Darrow, Lehigh (sem. 1); Mses. Larabee, Pniewski, Mr. Hsu (sem. 2).

ADMISSIONS Vice-Presidents Jenson, Pullen / Professors Sweney ('79), A. Mavrinac ('80), Skowbo ('80), Dudley ('81) / Dean of Students Smith / Dean of Admissions Carroll, nonvoting / four students: Ms. Ober, Messrs. Cutler, Gibson, Knipp (sems. 1, 2) / one nonvoting alumna: Ms. Guité.



- ATHLETICS Professors Machemer ('80), Meehan ('79), McIntyre ('81) / Director of Athletics McGee / Adjunct Assistant Professor Whitmore / three students: Mses. Russell, Sondergeld, Mr. Hoffman (sems. 1, 2) / one nonvoting alumna: Ms. Graves.
- BOOKSTORE Professors Reiter ('79), J. Goulet ('80), Clarey ('81) / Bookstore Manager Fair / three students: Mses. Breton, Brydon, Mr. Demers (sem. 1); Mses. Rich, York, Mr. Hasty (sem. 2).
- EDUCATIONAL POLICY Vice-President Jenson / President Strider / Professors Knight, Koons, Briggs ('79), Hauss ('79), P. Doel ('79), Rohrman ('80), J. Goulet ('80), MacKay ('80) / two students appointed by the president: Mses. Quintrell, Stoddard (sems. 1, 2) / three students selected by the Student Association: Messrs. Branyan, Leete, Nichols (sem. 1); Ms. Jones, Messrs. Hasty, Nichols (sem. 2) / without vote: Associate Dean of Students Gillespie; Director of the Library Debenham; Professor Samuel, secretary; alumni representative, Mrs. Abbott.
- FINANCIAL AID Vice-President Pullen / Deans Carroll, Gillespie / Treasurer Broekhuizen / Director of Financial Aid Weaver / Professors Champlin ('79), Weiss ('79), Clarey ('80), Bennett ('81) / four students: Mses. Hampton, Johnston, Messrs. Hubbert, Wetherby (sem. 1); Mses. Hampton, Maggioni, Messrs. Keenan, Otis (sem. 2) / one nonvoting alumnus: Mr. Bither.
- FINANCIAL PRIORITIES Vice-Presidents Pullen, Jenson / Professors Briggs ('79), Ferguson ('80), Dooley ('81) / three students: Mses. Dwyer, Greene, Mr. Elmore (sem. 1); Ms. Hutchinson, Messrs. Elmore, Schmidt (sem. 2) / one nonvoting alumnus: Mr. Levine.
- FOREIGN STUDY AND STUDENT EXCHANGE PROGRAMS Professors Cauz, Reiter, Champlin, So, MacKay, Rosenthal, Longstaff / Registrar Coleman / Assistant to the Dean of Faculty Kiralis / Dean of Admissions Carroll / Director of Financial Aid Weaver / four students: Mses. Dornish, Macedo, Meeres, Morton (sems. 1, 2).
- INDEPENDENT MAJOR BOARD Assistant Dean of Faculty Rose / Professors Combella ('79), Perez ('79), Oudin ('79), D. Allen ('81) on leave sem. 1 and replaced by Fowles, Morrione ('81), McIntyre ('81) / two students: Ms. St. Clair, Mr. Knipp (sems. 1, 2).
- JANUARY PROGRAM Professors Skowbo ('79), Shattuck ('80), Oudin ('81), Combella ('79) / three students: Ms. Fiske, Messrs. Kirstein, Sorrentino (sem. 1); Mses. Fiske, Nichols, Mr. Gombotz (sem. 2).
- LIBRARY Professors Dudley ('79), Muller ('80), Sadoff ('81), M. Mavrinac ('81) / Director of the Library Debenham / Special Collections Librarian

Cocks / three students: Mses. Bullock, Peters, Mr. Forman (sem. 1); Mses. Bullock, Hausman, Peters (sem. 2).

RIGHTS AND RULES Ms. Bogdonoff, student / Professors Todrank ('79), Hauss ('80) / Associate Dean of Students Seitzinger / Director of Student Activities Chassé / four additional students: Mses. Brydon, Dwyer, St. Clair, Mr. Andrews (sem. 1); Ms. Nadeau and three to be announced later (sem. 2).

SENIOR SCHOLARS Professors W. Miller, H. Koonce ('79), Maier ('80), Dooley ('81) / one student: Mr. Trunzo (sems. 1, 2).

## FACULTY COMMITTEES

1978-79

ADVISORY COMMITTEE ON FACULTY PERSONNEL POLICIES Professors Holland, Berschneider, Charles Bassett ('79), W. Smith ('80), Hogendorn ('81) / Vice-President Jenson.

APPEALS BOARD<sup>1</sup> Professors Hauss ('79), Clarey ('80), P. Harris ('81).

GRADUATE SCHOLARSHIP Professors Charles Bassett, Mannocchi, P. Harris, D. Reuman, Terry, Longstaff, Skowbo, W. Zukowski / Director of Career Planning Hickson / Assistant Dean of Faculty Rose.

GRIEVANCE Professors Filosof ('80), D. Reuman ('79), Archibald ('81).

HEARING COMMITTEE FOR DISMISSAL PROCEEDINGS (Chairman to be elected by the committee.) For terms ending in '79: Professors E. Kenney, Gemery, Pestana, Cocks, Nelson; ending in '80: Charles Bassett, Meehan, Bennett, Hayslett, Raymond; ending in '81: Brancaccio, Berschneider, Koons, P. Harris, Skowbo.

NOMINATING Professors Koons, Charles Bassett, Gemery, Holland, Small.

PROMOTION AND TENURE Vice-President Jenson / Professors Charles Bassett ('79), Gemery ('79), Koons ('79), Sweny ('80), Hudson ('80), W. Smith ('80), Armstrong ('81), Perez ('81), Hayslett ('81).

REMEMBRANCE Professors Gillespie, D. Reuman, Easton.

RESEARCH, TRAVEL, AND SABBATICAL LEAVES Vice-Presidents Jenson, Pullen / Professors Holland, Gemery, Small.

STANDING Professors Knight, Bundy, Bennett / Registrar Coleman / Vice-President Jenson / Dean of Students Smith.

<sup>1</sup>As described in Article v, "Student Judiciary," of the *Student Association Constitution*.

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 OTHER COMMITTEES OR  
 COUNCILS 1978-79

ADVISORY COMMITTEE ON FOREIGN STUDENT ADMISSIONS Professors Holland, Weiss, Easton, Feigon / Dean of Admissions Carroll / Registrar Coleman / Director of Financial Aid Weaver, nonvoting / three students: Mses. Dornish, Macedo, Meeres (sems. 1, 2).

ADVISORY COMMITTEE ON SPECIAL COLLECTIONS (LIBRARY) Professors Curran, Pestana, Kany / Special Collections Librarian Cocks.

AFFIRMATIVE ACTION Professor Mannocchi ('80) and Mrs. Bois ('80), support staff, cochairmen / Professors Frank Parker ('79), Pestana ('79) / Assistant Dean of Faculty Rose ('80), administrator with faculty rank / Mr. Gordon ('80), buildings and grounds / Ms. Dyer ('79), food service / Ms. Fitts ('80), administrator without faculty rank / Ms. Drury ('79), student.

COMPUTER Professors Metz, Combellack, Dooley, Shattuck, Firmage, Clarey, Muller / Vice-President Pullen / Treasurer Broekhuizen / Assistant Dean of Faculty Rose / Assistant Director for Technical Services (Library) Clevenger / Director of Computer Services Allen.

## GRANTS

*Humanities* Professors Holland, Archibald, Armstrong, Carpenter, Gillum, R. Reuman, Westervelt / Vice-Presidents Jenson, Pullen.

*Natural Sciences* Professors Small, Bennett, Koons, Metz, Machemer, L. Zukowski / Vice-Presidents Jenson, Pullen.

*Social Sciences* Professors Gemery, Hogendorn, A. Mavrinac, Jacobson, Morrione, Rohrman, W. Zukowski / Vice-Presidents Jenson, Pullen.

INTERDISCIPLINARY STUDIES COUNCIL Vice-President Jenson / Professors Charles Bassett, Brancaccio, Pestana, D. Koonce, Rosenthal, Feigon, Witham.

PERFORMING ARTS Professors Witham, Suss, Machlin, Mitchell-Wentzel / Messrs. Sewell, Conner.

## PROFESSIONAL PREPARATION

*Law and Government Service* Professors Meehan, Hauss, A. Mavrinac / Assistant Dean of Faculty Rose.

*Medical and Dental* Professors Terry and Bennett, cochairmen, Maier, Metz / Assistant Dean of Faculty Rose.

REGIONAL STUDIES Professors Weiss, Charles Bassett, Bennett, Brancaccio, Koons, W. Miller, Rosenthal, Tietenberg.

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Alison K. Bielli (Ms.), M.ED.

Cindy Canoll Joseph (Mrs.), M.A.<sup>1</sup>

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*Assistant, Chinese*

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*Assistant, Physics*

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*Secretary, Art Department and Museum*

Roger C. Ormsby  
*Supervisor, Central Campus Post Office*

Pauline C. Otis (Mrs.)  
*Secretary, Physical Education*

Collette P. Pelkey  
*Secretary, Admissions Office*

Helen Picard (Mrs.)  
*Accounts Payable, Business Office*

Alice E. Poirier (Mrs.)  
*Secretary to the Vice-President for Academic Affairs and Dean of Faculty*

Pauline Poulin  
*Secretary, Dean of Students Office*

Jane Quattrucci (Mrs.)  
*Receptionist/Secretary, Health Center*

Ann Quirion  
*Bookkeeper, Bookstore*

Georgianna Ravinski (Mrs.)  
*Secretary, Admissions Office*

Annette Reynolds (Mrs.)  
*Mimeograph and Mail Room Assistant*

Earla B. Robertson (Mrs.)  
*Secretary to the Director of the Library*

Thomas Rotroff  
*Audiovisual Clerk, Library*

Mary C. Roy (Mrs.)  
*Secretary to the Administrative Vice-President*

Ann Rummel (Mrs.)  
*Secretary, Physical Education*

Mary Sawtelle (Mrs.)  
*Supervisor, Payroll Office*

Penny Spear (Mrs.)  
*Secretary, Chemistry*

Helen Staples (Mrs.)  
*Secretary, Music*

Dale Sturtevant (Mrs.)  
*Clerk, Payroll Office*

Alice H. Trask (Mrs.), B.A.  
*Secretary, Alumni Relations Office*

Paige Tyson  
*Manuscript Typist, Lovejoy*

Theresa Veilleux  
*Secretary to the Director of Career Planning*

Carol A. Welch (Mrs.), B.S.  
*Secretary, English*

Barbara Williamson (Mrs.)  
*Supervisor, Eustis Mail Room*

Beverly Wilson (Mrs.)  
*Secretary, Biology and Geology*

Pauline F. Wing (Mrs.)  
*Secretary, Natural Sciences*

Christine W. Winkin (Mrs.)  
*Staff Assistant, Payroll Office*

Edward Wright  
*Clerk, Bookstore*

MAINTENANCE STAFF DEPARTMENT HEADS

J. Norman Poulin  
*Sanitation Foreman*

Marc Bizier  
*Heating Foreman*

Fernand J. Michaud  
*Outside Foreman*

Roy Brackett  
*Electrical Foreman*

Jeffrey Gordon  
*Director of Campus Security*

Willie Giguere  
*Carpenter Foreman*

Victor Clark  
*Painting Foreman*

MEDICAL STAFF

Clarence E. Dore, M.D.  
*College Physician*

John F. Reynolds, M.D.  
*Consultant in Surgery*

Carl E. Nelson, M.ED.  
*Director of Health Services*

Jane T. Schwartz, B.F.A., P.A.  
*Health Associate*

Normand Sylvestre, B.A.  
*Assistant Trainer*

Lorraine Norton  
*Assistant Trainer*

Priscilla Sargent, R.N.  
*Head Nurse*

NURSES

Linda Barr (Mrs.), R.N.

Margaret Cain (Mrs.), R.N.

Marion S. Collins (Mrs.), R.N.

Janet Easton (Mrs.), R.N.

Ruth Guynup (Mrs.), R.N.

Bonnie Hobitz (Mrs.), R.N.

Lita Poulin (Mrs.), Nurse's Aide

Mildred Richardson (Mrs.), R.N.

DIETARY STAFF

Russell W. Colvin  
*Manager, Roberts Union Dining Hall*

Inza T. Foster (Mrs.)  
*Manager, Foss Dining Hall*

John Jenkins  
*Manager, Dana Dining Hall*

<sup>1</sup>First semester 1978-79.

<sup>2</sup>Second semester 1978-79.



# Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL  
LOCATIONS OF STUDENTS' HOMES 1978-79

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
ALL AREAS	864	763	1627	Pennsylvania	19	13	32
NEW ENGLAND	611	526	1137	Puerto Rico	2	0	2
Connecticut	75	63	138	South Carolina	0	1	1
Maine	148	152	300	Tennessee	1	1	2
Massachusetts	336	249	585	Texas	3	5	8
New Hampshire	25	42	67	Utah	1	0	1
Rhode Island	19	13	32	Virginia	3	11	14
Vermont	8	7	15	Virgin Islands	0	1	1
OUTSIDE NEW ENGLAND	224	221	445	Washington	0	1	1
Alabama	1	0	1	West Virginia	0	3	3
Alaska	1	2	3	Wisconsin	0	1	1
Arizona	1	1	2	Wyoming	1	1	2
California	7	12	19	FOREIGN COUNTRIES	29	16	45
Colorado	4	4	8	Belgium	1*	1*	2
Delaware	3	2	5	Bolivia	0	1	1
District of Columbia	4	4	8	Brazil	0	1	1
Florida	9	5	14	Canada	10*	0	10
Georgia	2	4	6	England	3***	3***	6
Illinois	12	13	25	France	2**	3*	5
Indiana	4	0	4	Ghana	1	0	1
Kansas	0	1	1	Hong Kong	1	0	1
Louisiana	1	0	1	Japan	1	2*	3
Maryland	7	9	16	Luxembourg	1*	0	1
Michigan	2	4	6	Malawi	1	0	1
Minnesota	7	2	9	Malaysia	1	1	2
Missouri	1	4	5	Mexico	1	0	1
Montana	0	3	3	Morocco	0	1*	1
Nebraska	0	1	1	Philippines	1	0	1
New Jersey	49	35	84	Switzerland	3**	1*	4
New Mexico	0	2	2	Turkey	2	0	2
New York	70	64	134	West Germany	0	2**	2
North Carolina	2	1	3				
Ohio	6	8	14				
Oklahoma	0	2	2				
Oregon	0	1	1				

Each \* denotes one American citizen.

# Degrees and Honors

The degree of Bachelor of Arts with honors is awarded in three grades: *summa cum laude* to those who obtain a 3.75 grade point average; *magna cum laude* to those with a 3.50 grade point average; *cum laude* to those with a 3.25 grade point average.

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible, the student must have at least an average of 3.25 in the major and recommendation of the major department. The department recommends *distinction in the major* only for those very few students who, in the opinion of the department, merit special recognition.

In American colleges, it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This society, founded in 1776, restricts its chapters to leading colleges and universities, and maintains high scholastic standards. The Beta Chapter of Maine was organized at Colby in 1895.

Each spring, the college recognizes student achievement with the announcement of various honors and awards. Among those recognized are: members of Phi Beta Kappa; Senior Scholars for the ensuing year; winners of college prizes; and recipients of Phi Beta Kappa certificates, awarded to members of the three lower classes for distinction in scholarship.

Academic excellence is also recognized at a convocation each fall for the Julius Seelye Bixler and Charles A. Dana scholars. Bixler Scholars are the top-ranking students as determined by the academic records of the preceding year. Dana Scholars are selected on the basis of a strong academic performance and potential leadership.

The Dean's List, recognizing high academic standing, and announced at the conclusion of each semester, includes the name of every student whose average of all marks in the previous semester has been at least 3.2 in a minimum of twelve basic credit hours for upperclassmen, 3.0 in a minimum of twelve basic credit hours for freshmen. A student with any mark of incomplete is not eligible for Dean's List.

# Degrees Awarded at Commencement

## Sunday, May 28, 1978

### BACHELOR OF ARTS

- David Abrahamson, *Paris, France*  
 Richard David Abrams, *Providence, R.I.*  
 Stuart Libby Alex, *Unity, Me.*  
 Elizabeth Anne Alpert, *Wayland, Mass.*  
 Joanne Anthonakes, *Needham, Mass.*  
 Pierce Archer, *Wynnewood, Penn.*  
 Susan Hallett Areson, *Upper Montclair, N.J.*  
 Kim Elizabeth Attridge, *South Salem, N.Y.*  
 Alan James Avtges, *Belmont, Mass.*  
 Lynn Frances Baldwin, *Wethersfield, Conn.*  
 Henry Banks, *Norwalk, Conn.*  
 Jennifer Carol Barber, *Newton Centre, Mass.*  
 Joann Marie Barry, *Westford, Mass.*  
 Charles Francis Beckett, *Chestnut Hill, Mass.*  
 Dorothy Ellen Behrer, *Eastham, Mass.*  
 Pauline Constance Belanger, *Lewiston, Me.*  
 Steven Mark Belanger, *Berlin, N.H.*  
 Janet Bellows, *Pawtucket, R.I.*  
 Woodson Scott Bercaw, *Chevy Chase, Md.*  
 Dana Edward Bernard, *Boxford, Mass.*  
 Jeffrey Mitchell Bernard, *Boxford, Mass.*  
 Gregory R. Billington, *Somerset, Mass.*  
 Douglas Eaton Blackwell, *Belmont, Mass.*  
 Elisabeth Ross Blackwell, *Delavan, Wis.*  
 Helena Ann Bonnell, *Oakland, Me.*  
 Peter Todd Bothwell, *Fairfield, Conn.*  
 Ethel Blanche Bowden, *Penobscot, Me.*  
 Gerard Emmet Boyle, *Warwick, R.I.*  
 Christopher Wells Bradley, *Rancho Palos Verdes, Calif.*  
 William Mark Brady, *Pride's Crossing, Mass.*  
 John William Breedlove III, *Lamar, Mo.*  
 Lory Ann Brigham, *St. Albans, Vt.*  
 William Richard Britton, Jr., *Newtown, Penn.*  
 Valerie Brown, *Old Lyme, Conn.*  
 Miguel Damian Browne, *McLean, Va.*  
 Jane Martha Brox, *Dracut, Mass.*  
 Sarah Landfield Bryan, *Ipswich, Mass.*  
 Alexander Knapp Buck, Jr., *Princeton, N.J.*  
 Margaret Pearl Buck, *Nashua, N.H.*  
 James Robert Bull, *Palo Alto, Calif.*  
 Sylvia Marian Bullock, *Greenwich, Conn.*  
 Michael Joseph Buonaiuto, *Warwick, R.I.*  
 Edward Joseph Busuttill, *Garden City, N.Y.*  
 Louise Ann Butenas, *Meriden, Conn.*  
 Anthony J. Cagino, *Brooklyn, N.Y.*  
 Kathy Jean Canavan, *Waterville, Me.*  
 Christine Carey, *Rensselaer, N.Y.*  
 Betsy Carlson, *Hingham, Mass.*  
 Kurt Alan Cerulli, *Boston, Mass.*  
 Joan Eileen Chestnut, *Rangeley, Me.*  
 Deborah Marilyn Chichester, *Enfield, Conn.*  
 John Allen Child, *Natick, Mass.*  
 Susan Gail Chilton, *Hilton Head Island, S.C.*  
 David Hunter Christophe, *Needham, Mass.*  
 Pamela Helene Cleaves, *Cape Elizabeth, Me.*  
 Jeffrey Warren Clymer, *Sea Cliff, N.Y.*  
 Joseph Francis Coan, *Beverly, Mass.*  
 Gregory Christopher Colati, *Pennington, N.J.*  
 Kathy Anne Colello, *Yarmouth, Me.*  
 Wayne Brian Colin, *Chappaqua, N.Y.*  
 Martin Gerard Connolly, *Wood Ridge, N.J.*  
 James Samuel Cook, *Rehoboth, Mass.*  
 Karen Ann Couture, *Reading, Mass.*  
 Kathleen Crawford, *St. Louis, Mo.*  
 Samuel Haviland Cremin, *Mount Kisco, N.Y.*  
 Deborah Ellen Cronin, *Lynnfield, Mass.*  
 James Henry Crook, Jr., *Cumberland, R.I.*  
 Jerrol Allen Crouter, *Fairfield, N.J.*  
 Judith Ellen Cue, *West Yarmouth, Mass.*  
 Sharon Elizabeth Culf, *Horsham, Penn.*  
 Brian Michael Cullen, *Winchester, Mass.*  
 Stephen Foster Culver, *Roseland, N.J.*  
 Paul Gerald Curtis, *Milton, Mass.*  
 Lauretta M. Daley, *East Longmeadow, Mass.*  
 Jeffrey Charles Dalrymple, *Camden, Me.*  
 Fred Harold Daniels, *Lincoln, Mass.*  
 Ronald Martin Davids, *Natick, Mass.*  
 Christopher Vining Davis, *Osterville, Mass.*  
 Terrence George Day, *Scarsdale, N.Y.*

- Donna Marie Dee, *Cape Elizabeth, Me.*  
 Richard Andrew Deininger, *Summit, N.J.*  
 Ramon Augusto de Mier, *Santurce, Puerto Rico*  
 Bryan Thompson Denney, *Pittsburgh, Penn.*  
 Kirk Alexander Denton, *Lake Bluff, Ill.*  
 Ronald Raymond DesBois, *Gardner, Mass.*  
 David Andrew Deslauriers, *Sabattus, Me.*  
 Karla Joan de Steuben, *Saugus, Mass.*  
 James Konrad Deuschle, *New York, N.Y.*  
 John Bernard Devine, Jr., *Methuen, Mass.*  
 James Jon De Yoreo, *Andover, Mass.*  
 Donna Maria Dietzko, *Plainville, Conn.*  
 David Paul Donegan, *Braintree, Mass.*  
 Linda Jean Donnell, *Ellington, Conn.*  
 Alan Erwin Donnenfeld, *Dix Hills, N.Y.*  
 Daniel Francis Driscoll, *Milton, Mass.*  
 Scott Kevin Drown, *Natick, Mass.*  
 Elizabeth Dugan, *Penn Yan, N.Y.*  
 Andrea Marie Dumont, *Newcastle, Me.*  
 Henry Reeves Dunbar, *Concord, Mass.*  
 Muguette Telemaque Duteau, *Yonkers, N.Y.*  
 John Francis Dwyer, *New Rochelle, N.Y.*  
 Robert Gooding Eaton, *Concord, Mass.*  
 David Michael Eells, *Auburn, Mass.*  
 Kimberly Snowden Eierman, *Timonium, Md.*  
 Linda Lee Ewing, *Washburn, Me.*  
 Paul David Fachada, *Keene, N.H.*  
 Paul Leonard Fackler, *Chicago, Ill.*  
 Judith Ann Fairclough, *Westport, Conn.*  
 Ronda Elizabeth Faloon, *North Barrington, Ill.*  
 Michael Antonio Faraca, *Brockton, Mass.*  
 Timothy Shawn Farley, *Kendall Park, N.J.*  
 David Craig Farnsworth, *Cape Elizabeth, Me.*  
 Dorothy Florence Farrell, *Weston, Mass.*  
 Marc Deane Fisher, *Winslow, Me.*  
 Daniel Patrick Fitzgerald, *Dorchester, Mass.*  
 Mary Jean Fitzpatrick, *Providence, R.I.*  
 Mary Victoria Foley, *Cape Elizabeth, Me.*  
 Cynthia Kay Ford, *Nashua, N.H.*  
 Michele Louise Fortier, *Lewiston, Me.*  
 Charlene Marie Foster, *Aurora, Colo.*  
 Portia Gayle Frazee, *Bakersfield, Calif.*  
 David James Friedrich, *Niles, Mich.*  
 Donald James Furcillo, *Brick Town, N.J.*  
 James Edward Gagne, *South Yarmouth, Mass.*  
 Christa Lee Gandenberger, *Flemington, N.J.*  
 Thomas Michael Garrahan, *East Greenwich, R.I.*  
 Peter Taber Gates, *Buffalo, N.Y.*  
 Eleanor Ewing Gaver, *Charleston, S.C.*  
 John Willard Geismar, *Riverside, Conn.*  
 Bradford Samuel Germain, *Attleboro, Mass.*  
 Susan Eleanor Gernert, *Lake Forest, Ill.*  
 William John Getchell, *Westbrook, Me.*  
 Patrick Joseph Gill, *Weymouth, Mass.*  
 John Thomas Gilligan, *Hanover, Mass.*  
 Douglas Adam Giron, *West Newton, Mass.*  
 Reginald Armand Giroux, *Manchester, N.H.*  
 Kevin Andrew Gliwa, *Huntington, N.Y.*  
 Marjorie Anne Gonzalez, *Baltimore, Md.*  
 Mark Woodard Gorman, *Seekonk, Mass.*  
 Scott Calvin Graffam, *Waldoboro, Me.*  
 Ronald Wallace Graham, Jr., *Gloucester, Mass.*  
 John Gray II, *Groveland, Mass.*  
 Lise Darrell Greenfield, *Ames, Iowa*  
 Hugh Ralph Gregg, *Grosse Point, Mich.*  
 Jeanne Marie Greiter, *Briarcliff, N.Y.*  
 Courtney Arthur Grimes, *Paxton, Mass.*  
 Elizabeth Gruber, *Lexington, Mass.*  
 William Joseph Guerin, *Waterville, Me.*  
 Sevket Ismail Gunter, *Istanbul, Turkey*  
 Sandra Ellen Hall, *Agawam, Mass.*  
 Scott Perley Hamilton, *Naples, Me.*  
 Andrea Kristine Hanson, *Fryeburg, Me.*  
 Leslie Daile Harrison, *Boxford, Mass.*  
 Paul Eugene Harvey, Jr., *Portsmouth, N.H.*  
 Stephanie Leigh Haskell, *Paris, France*  
 Kathleen Frances Hastings, *Nashua, N.H.*  
 Verne Kennedy Heckel III, *Columbia, S.C.*  
 Mark Andrew Higgins, *Bangor, Me.*  
 Lyn Hildebrandt, *Belmont, Mass.*  
 Lawrence Kenyon Hill, *Old Greenwich, Conn.*  
 Bernard Levi Hirsh, *Yardley, Penn.*  
 Anne Marie Hobson, *Cranford, N.J.*  
 Daniel Cabot Hoefle, *Rye, N.H.*  
 William Jarrett Hallowell Hough III,  
     *Conshohocken, Penn.*  
 Mark Gorman Howard, *Ridgefield, Conn.*  
 David Martin Howe, *Amherst, N.H.*  
 Christopher Vincent Hughes, *Medfield, Mass.*  
 Letitia Chase Huling, *Marshfield, Mass.*  
 Nancy Marina Hulm, *Summit, N.J.*  
 Charles Campbell Hurd, *Excelsior, Minn.*  
 Timothy B. Hussey, *Kennebunkport, Me.*  
 Laurian Hutcheson, *Needham, Mass.*  
 Donald Philip Hyde, *North Andover, Mass.*  
 Laura Jane Hyer, *Duxbury, Mass.*

- Susan Ellen Jacke, *Ridgefield, Conn.*  
 Alexandra Maclay Jackson, *Glencoe, Ill.*  
 Kathleen Jackson, *Killingworth, Conn.*  
 Margaret Lea Jackson, *Marblehead, Mass.*  
 Stephen Barry Jacobs, *Wanamassa, N.J.*  
 Ricky Paul Jacques, *Livermore Falls, Me.*  
 Charles Pomeroy Jarden II, *Huntingdon Valley, Penn.*  
 Peter Jeffries, *Milton, Mass.*  
 Alice Moore Jellema, *Clarence Center, N.Y.*  
 Mary Evelyn Jesse, *Amherst, N.H.*  
 Gregory Kim Johnson, *Enfield, Conn.*  
 Lesley Jean Johnson, *Princeton, N.J.*  
 Maureen Collins Johnston, *Yarmouth, Me.*  
 Robert Alan Johnston, *Enfield, Me.*  
 Lynnelle Susan Jones, *Portsmouth, N.H.*  
 Paula Marie Jones, *Rumford, Me.*  
 Gregory Phillip Jordan, *Fairfield, Conn.*  
 Elizabeth Christina Joyce, *Cohasset, Mass.*  
 Elizabeth Jeanne Judd, *Madison, Conn.*  
 Howard Gordon Kamil, *Fort Lee, N.J.*  
 Yasuo Kaneko, *Tokyo, Japan*  
 Douglas Steven Kaplan, *Wellesley, Mass.*  
 David Francis Kayatta, *South Portland, Me.*  
 Lucinda Pryor Kearns, *Rochester, Minn.*  
 Margaret Keate, *Alameda, Calif.*  
 Meredith Kane Keirnan, *Hingham, Mass.*  
 Karen Elizabeth Keithline, *Glastonbury, Conn.*  
 Walter Joseph Kelter III, *Lynn, Mass.*  
 Jana Elizabeth Kendall, *Gardner, Mass.*  
 Ellen Mary Kennary, *Grosse Pointe, Mich.*  
 Susan Mary Kenyon, *Wakefield, R.I.*  
 Joseph Michael Kerwin, *Millis, Mass.*  
 George Philip Kesaris, *Ridgefield, Conn.*  
 Katherine Helen Kincaid, *Boonton Township, N.J.*  
 Cathy Elsa Kindquist, *Skillman, N.J.*  
 Leslie Anne King, *Wayne, Penn.*  
 Allan Jay Kleban, *Stratford, Conn.*  
 Lisa Kristen Klein, *Harrison, N.Y.*  
 Allan Wade Koerner, *Woodstock, Conn.*  
 Mark Joseph Kuhn, *Old Lyme, Conn.*  
 Gary Martin Lamont, *Wayland, Mass.*  
 Alix Elizabeth Land, *Westport, Conn.*  
 John Thomas Landry, Jr., *Yonkers, N.Y.*  
 Alice Ruth Langer, *Norwood, N.J.*  
 Steven Paul Lary, *Cape Elizabeth, Me.*  
 Lindsay Leard, *Sudbury, Mass.*  
 Aaron Louis Lebenger, *Bellmore, N.Y.*  
 Robert Leland LeFeber, *Milwaukee, Wis.*  
 Martha Laurel Legg, *Needham, Mass.*  
 Nicholas Joseph Levintow, *Philadelphia, Penn.*  
 Douglas Bruce Light, *Armonk, N.Y.*  
 Melissa Nye Lind, *New York, N.Y.*  
 Jane Elizabeth Linge, *Laconia, N.H.*  
 Ruston Frederick Lodi, *Franklin, Mass.*  
 Jayne Paula London, *Milton, Mass.*  
 Donna Gail Long, *Wilbraham, Mass.*  
 Antonio Manuel Lopez, *Wallingford, Conn.*  
 James Drennan Lowell, Jr., *Winchester, Mass.*  
 Amy Ellen Lucker, *Lexington, Mass.*  
 Charles Peter Lukasik, *Springfield, Mass.*  
 Annette Lum, *New York, N.Y.*  
 Alan Douglas MacEwan, *Sugar Hill, N.H.*  
 William Reginald MacLean, Jr., *Borden, P.E.I.*  
 Stephen Turner Mague, *Framingham, Mass.*  
 F. Carl Mahoney, *Athens, Me.*  
 Cheryl Lorraine Manson, *Stoughton, Mass.*  
 Richard James Marcyes, Jr., *Fayetteville, N.Y.*  
 Anastasia Elizabeth Marsden, *Stanford, Calif.*  
 Kathlyn Inez Marsh, *West Chicago, Ill.*  
 Harry Steven Martens, *Fort Lauderdale, Fla.*  
 Frederic Paul Martin, *East Aurora, N.Y.*  
 Rene Martinez, *Providence, R.I.*  
 Elisabeth Mathey, *Ipswich, Mass.*  
 Wendy Deborah Maurice, *Rye, N.Y.*  
 Lisa McBride, *Acton, Mass.*  
 Phillip Daniel McCarthy, *Woburn, Mass.*  
 Brian Palmer McCartney, *Hadley, Mass.*  
 Bruce David McClellan, *Springfield, Mass.*  
 Ann Margaret McCreary, *Hamilton, N.Y.*  
 Jean Hanna McCrum, *New Canaan, Conn.*  
 Martha Smithers McEldowney, *Newburgh, N.Y.*  
 Margaret Mary McGuire, *Portsmouth, R.I.*  
 Robert Joseph Mead, *Ridgefield, Conn.*  
 Jennifer Stuart Meade, *Port-au-Prince, Haiti*  
 Robert Roy Meny, *Westport, Conn.*  
 Lee-Anne Meservey, *Farmington, Me.*  
 Karen Joy Miller, *Marblehead, Mass.*  
 Stephen Miske Miller, *West Hartford, Conn.*  
 David Walden Mills, *Durham, N.H.*  
 Kim Morey Miner, *Woodbury, N.J.*  
 Susan Roberta Moneymaker, *Canton, Conn.*  
 Daniel Boyd More, *Cranford, N.J.*  
 Leslie Yarborough Morgan, *Shreveport, La.*  
 John Carrington Morley, Jr., *Houston, Tex.*  
 Christopher Charles Morrissey, *West Hartford, Conn.*

- Leigh Ann Morse, *Bradford, Mass.*  
 James Roby Moulton, *Brunswick, Me.*  
 Jeffrey Alan Mullen, *South Attleboro, Mass.*  
 Evelyn Anne Muller, *New York, N.Y.*  
 Mark Joseph Murphy, *Cromwell, Conn.*  
 Carl Frederick Nelson, *Weston, Mass.*  
 Jennifer Lynn Nelson, *Richmond, Mass.*  
 Karen Sue Nicholson, *Sharon, Mass.*  
 R. Christopher Noonan, *Mendon, Mass.*  
 Douglas Edward Norton, *Portland, Me.*  
 Terence John O'Brien, *Boxford, Mass.*  
 Cary James O'Connell, *Dedham, Mass.*  
 Harry Richard Offinger, *Wilton, Conn.*  
 Ian Shaw Ogilvie, *Wilton, Me.*  
 Walter Thomas Ollen, Jr., *Roslindale, Mass.*  
 S. Kurt Olson, *Marblehead, Mass.*  
 Michael Emmett O'Malley, *Wollaston, Mass.*  
 Scott Michael Packer, *Lexington, Mass.*  
 Linda Elaine Page, *Huntington, N.Y.*  
 Frances Ann Palmer, *Wellesley Hills, Mass.*  
 Thomas Howard Palmer III, *Bangor, Me.*  
 Frank DeWolf Pardee, *Bristol, R.I.*  
 Nancy Jean Paterson, *Stamford, Conn.*  
 Elizabeth Reed Patten, *Wellesley Hills, Mass.*  
 Sarah Jane Pearce, *Hingham, Mass.*  
 Martin Walter Pejko, *North Dartmouth, Mass.*  
 Andrew Knox Perkins, *Cape Elizabeth, Me.*  
 Mark Victor Pesanelli, *Malden, Mass.*  
 Christina Pesek, *Wayland, Mass.*  
 Janice Ellen Phillips, *Stratford, Conn.*  
 Nancy Ellen Piccin, *West Springfield, Mass.*  
 Steven Titus Plomaritis, *Pelham, N.H.*  
 Susan Leslie Plummer, *Hudson, N.H.*  
 Sarah Appleton Pollard, *Bucksport, Me.*  
 Susan Ruth Pollis, *North Attleboro, Mass.*  
 Timothy John Porter, *Winchester, Mass.*  
 Ronni-Jo Posner, *Stamford, Conn.*  
 Jeffrey Bruce Potter, *Warwick, R.I.*  
 Alexander Johnson Price, *Boxford, Mass.*  
 Lauren Margaret Proctor, *Freehold, N.J.*  
 David Carroll Projansky, *Orange, Conn.*  
 Frances Groves Prosser, *Chatham, Mass.*  
 Juan Antonio Queralt, *Gardner, Mass.*  
 Deborah Anne Ralphs, *Topsfield, Mass.*  
 Martin Seth Reader, *Floral Park, N.Y.*  
 Hopestill Ann Reed, *Woolwich, Me.*  
 Deborah Ann Regazzini, *Reading, Mass.*  
 Katharine Anne Reichert, *Ann Arbor, Mich.*  
 Susan Reilly, *Lowell, Mass.*  
 Caryn B. Resnick, *Kew Garden Hills, N.Y.*  
 Elizabeth Rex, *South Dartmouth, Mass.*  
 Stephen Gerard Rieben, *Castleton-on-Hudson, N.Y.*  
 Geraldine Ann Rizzolo, *Flemington, N.J.*  
 Lee Charles Roberts, *Stuart, Fla.*  
 Alice Margaret Rodriguez, *Watertown, Mass.*  
 Mary Elizabeth Rolerson, *Lewiston, Me.*  
 Michele Rolfson, *Albion, Me.*  
 Abigail Rome, *Scarsdale, N.Y.*  
 Paul Rose, *New Bedford, Mass.*  
 Bonnitta Marie Roy, *Bristol, Conn.*  
 Paul J. N. Roy, *Biddeford, Me.*  
 Janet L. Santry, *Marblehead, Mass.*  
 John Otis Saunders, *Carlisle, Mass.*  
 William David Sawyer, *Concord, Mass.*  
 Thomas Patrick Scannell, *Dedham, Mass.*  
 Bruce Alden Schine, *San Francisco, Calif.*  
 Peter Alexander Schmidt-Fellner, *Greenwich, Conn.*  
 David Michael Sciore, *Brockton, Mass.*  
 James Edward Scott, *Hudson, Ohio*  
 Michael Patrick Scott, *Oak Bluffs, Mass.*  
 Susanna Kirkbride Scott, *New York, N.Y.*  
 Peter Friend Secor, *Toronto, Ontario*  
 Nancy Jane Seeds, *Waccabuc, N.Y.*  
 Mark Gregory Seymour, *Biddeford, Me.*  
 James Herbert Shane, *Wayland, Mass.*  
 John McDowell Sharpe v, *Chambersburg, Penn.*  
 Sue-Ellen Shea, *Pawcatuck, Conn.*  
 Alfred Michael Sheehy, Jr., *Centerville, Mass.*  
 Peter Lloyd Sheerin, *Acton, Mass.*  
 Barbara Ann Shemin, *Pleasantville, N.Y.*  
 Mary Alden Shooshan, *Middletown, Conn.*  
 Jeffrey Neil Shribman, *Swampscott, Mass.*  
 Henry Sigourney, Jr., *Newton, Mass.*  
 Gary Burton Simon, *Needham, Mass.*  
 David Howard Simonds, *Lewiston, Me.*  
 Steven Mark Singer, *Swampscott, Mass.*  
 Frank Thomas Skorupsky, *Haddonfield, N.J.*  
 Margaret Mary Slabi, *Framingham, Mass.*  
 Michael Robert Slavin, *Morristown, N.J.*  
 Karen Louise Slawson, *North Attleboro, Mass.*  
 Barbara Reynolds Smith, *Pelham, N.Y.*  
 Edward Dustin Smith, *Westwood, Mass.*  
 Jonathan Andrew Smith, *Brookside, N.J.*  
 Lauren Ann Smith, *Woburn, Mass.*  
 Theodore Blackburn Smyth, *Pepper Pike, Ohio*  
 Carl Philip Snyder, Jr., *Windsor, N.Y.*

Timothy Donal Sopel, *Manchester, N.H.*  
 Stephen Nichols Sparkes, *Littleton, Mass.*  
 Susan Pendleton Sprague, *South Freeport, Me.*  
 Linda Ann Stahl, *Durham, Conn.*  
 Thomas Christopher Staples, *Braintree, Mass.*  
 Robert Stone Stevenson, *Lincoln, Mass.*  
 Leslie Bennett Stiller, *Carrollton, Tex.*  
 Evan McLean Stover, *Litchfield, Conn.*  
 Thomas Howle Suddath, Jr., *Cohasset, Mass.*  
 Jean Marie Sullivan, *Holliston, Mass.*  
 Linda Marie Sullivan, *Mansfield, Mass.*  
 Robert Llewellyn Sundberg, *Salt Lake City, Utah*  
 Patrick Gerard Sweeney, *Reading, Mass.*  
 Bruce Carey Taylor, *Worcester, Mass.*  
 Joshua Elias Teichman, *Wheaton, Md.*  
 Marina E. Thibeau, *Milbridge, Me.*  
 John Barry Thomas, Jr., *West Hartford, Conn.*  
 Lorraine Marie Thompson, *Holden, Me.*  
 Nancy Jean Thomson, *Hampden, Mass.*  
 James Homer Thrall, *Bethesda, Md.*  
 William Michael Tiernan, *Presque Isle, Me.*  
 Peter Rodney Torres, *Winchester, Mass.*  
 David Knowlton Tozer, *Beverly, Mass.*  
 Thomas Andrew Trainor, *Cumberland, Me.*  
 Elizabeth Cleaver Treadwell, *Amherst, N.H.*  
 James Irving Tribble, *Plymouth, Mass.*  
 Meredith Ann Turner, *East Greenwich, R.I.*  
 Joseph William Tyler, *Troy, N.H.*  
 Robert Stout Underhill, *Weston, Mass.*  
 Mary Claire van der Ploeg, *Deerfield, N.H.*  
 James Robert Van Uden, *Manchester, N.H.*  
 David Hossack Van Winkle, *Roxbury, Conn.*  
 Lina Joyceline Veilleux, *Greene, Me.*  
 Joan Carol Vicario, *Dover, Mass.*  
 Prospere Shelton Virden III, *Edina, Minn.*  
 Sandra M. Walcott, *Brooklyn, N.Y.*  
 Robin Dennis Walmsley, *Rutland, Vt.*  
 Lee Ann Walsh, *Yardley, Penn.*  
 Christina Lee Ware, *Somers, Conn.*  
 Leslie Thaxter Warren, *Kittery Point, Me.*  
 Dian Laurel Weisman, *Nashua, N.H.*  
 Sheila Wentworth, *Laguna Beach, Calif.*  
 Peter Milton Wetherbee, *Galena, Ohio*  
 Jeffrey Weston Wheeler, *Loudonville, N.Y.*  
 Kristin White, *Lexington, Mass.*  
 Kim Margaret Whitehurst, *Tuscaloosa, Alab.*  
 Elizabeth Ann Williams, *Camden, Me.*  
 Alvin Floyd Wilson, *Attleboro, Mass.*

Don Michael Wojchowski, *Gray, Me.*  
 Paul Steven Wolf, *Brookline, Mass.*  
 Robert Stephen Woodbury, *Wenham, Mass.*  
 Virginia Ann Woodring, *Wayne, Penn.*  
 Wanda Lea Wright, *Los Alamitos, Calif.*  
 Andrea Jeanne Yelle, *Norton, Mass.*

*As of the Class of 1977*

Karen Caputo Craft, *West Barnstable, Mass.*  
 Carol Platt Haffenreffer, *Wellesley, Mass.*  
 Jeffrey William Lowe, *Shrewsbury, Mass.*

*As of the Class of 1973*

Martin Henry Darling, *Westfield, Mass.*

*As of the Class of 1971*

J. Anthony Burkart, Jr., *East Franklin, Me.*

*Degrees Granted in October as of the Class of 1977*

Joanne Vanette Chapple, *Bronx, N.Y.*  
 Judith Isabelle Damon, *Auburn, Me.*  
 Terry Charles Fjeldheim, *Waterville, Me.*  
 Debra Ann Irving, *Glasgow, Mont.*  
 Ellen Maureen Sullivan, *Whitneyville, Me.*

HONORARY DEGREE RECIPIENTS

Elmer Cornelius Bartels  
*Doctor of Laws*  
 Augustine Anthony D'Amico  
*Doctor of Fine Arts*  
 Doris Kearns Goodwin  
*Doctor of Laws*  
 John Hughes  
*Doctor of Laws*  
 Alfred Edward Kahn  
*Doctor of Laws*  
 John McPhee  
*Doctor of Letters*  
 John Franklin Reynolds  
*Doctor of Science*  
 Joseph Leonard Washington  
*Doctor of Science*

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# Honors

## BACHELOR'S DEGREE WITH HONORS

### *Summa Cum Laude*

Jennifer Carol Barber  
 Kathy Anne Colello  
 Karen Ann Couture  
 James Jon De Yoreo  
 Verne Kennedy Heckel III  
 Ann Margaret McCreary  
 Linda Elaine Page  
 Lauren Margaret Proctor  
 Mary Elizabeth Rolerson  
 Paul Rose  
 Peter Alexander Schmidt-Fellner  
 Michael Patrick Scott  
 Robert Llewellyn Sundberg  
 David Hossack Van Winkle

### *Magna Cum Laude*

Richard David Abrams  
 Woodson Scott Bercaw  
 William Mark Brady  
 Jane Martha Brox  
 Deborah Marilyn Chichester  
 Laretta M. Daley  
 Karla Joan de Steuben  
 Linda Jean Donnell  
 Alan Erwin Donnenfeld  
 Daniel Francis Driscoll  
 Cynthia Kay Ford  
 Bradford Samuel Germain  
 Kevin Andrew Gliwa  
 Scott Perley Hamilton  
 Stephen Barry Jacobs  
 Lynnelle Susan Jones  
 Lucinda Pryor Kearns  
 Susan Mary Kenyon  
 Katherine Helen Kincaid  
 Cathy Elsa Kindquist  
 Allan Jay Kleban  
 Gary Martin Lamont  
 Lindsay Leard  
 Jayne Paula London  
 James Drennan Lowell, Jr.

Stephen Turner Mague  
 Elisabeth Mathey  
 Jennifer Stuart Meade  
 Lee-Anne Meservey  
 Karen Joy Miller  
 Carl Frederick Nelson  
 Harry Richard Offinger  
 Lee Charles Roberts  
 Abigail Rome  
 Bonnitta Marie Roy  
 John McDowell Sharpe v  
 Barbara Ann Shemin  
 Gary Burton Simon  
 Timothy Donal Sopol  
 Linda Marie Sullivan  
 James Homer Thrall

### *Cum Laude*

Joanne Anthonakes  
 Susan Hallett Areson  
 Peter Todd Bothwell  
 James Robert Bull  
 Anthony J. Cagino  
 Christine Carey  
 Betsy Carlson  
 Kurt Alan Cerulli  
 Jeffrey Warren Clymer  
 Samuel Haviland Cremin  
 Deborah Ellen Cronin  
 Donna Marie Dee  
 Kirk Alexander Denton  
 Donna Maria Dietzko  
 David Paul Donegan  
 Ronda Elizabeth Faloon  
 Mary Jean Fitzpatrick  
 Mary Victoria Foley  
 Charlene Marie Foster  
 Marjorie Anne Gonzalez  
 Jeanne Marie Greiter  
 Stephanie Leigh Haskell  
 Lawrence Kenyon Hill  
 Daniel Cabot Hoefle  
 Mark Gorman Howard



Timothy B. Hussey  
 Laura Jane Hyer  
 Maureen Collins Johnston  
 Paula Marie Jones  
 Margaret Keate  
 Ellen Mary Kennary  
 Allan Wade Koerner  
 John Thomas Landry, Jr.  
 Jane Elizabeth Linge  
 Amy Ellen Lucker  
 Ian Shaw Ogilvie  
 S. Kurt Olson  
 Michael Emmett O'Malley  
 Scott Michael Packer  
 Susan Leslie Plummer  
 Stephen Gerard Rieben  
 David Michael Sciore  
 David Howard Simonds  
 Barbara Reynolds Smith  
 Theodore Blackburn Smyth  
 Carl Philip Snyder, Jr.  
 Susan Pendleton Sprague  
 Bruce Carey Taylor  
 Joan Carol Vicario

## DISTINCTION IN THE MAJOR

*Administrative Science*

Karla Joan de Steuben  
 Linda Jean Donnell  
 Marjorie Anne Gonzalez  
 Lynnelle Susan Jones  
 Gary Martin Lamont  
 Scott Michael Packer  
 Carl Philip Snyder, Jr.  
 Linda Marie Sullivan  
 Lina Joyceline Veilleux  
 Joan Carol Vicario

*Administrative Science-Mathematics*

Scott Perley Hamilton  
 Maureen Collins Johnston  
 James Drennan Lowell, Jr.

*American Studies*

Joanne Anthonakes  
 Betsy Carlson  
 Kevin Andrew Gliwa  
 Ellen Mary Kennary  
 Michael Patrick Scott

*Art*

Kathy Anne Colello  
 Meredith Kane Keirnan  
 Katherine Helen Kincaid  
 Lindsay Leard  
 Lee Charles Roberts  
 Barbara Reynolds Smith

*Biology*

Daniel Francis Driscoll  
 Martha Smithers McEldowney  
 Karen Joy Miller  
 Abigail Rome  
 Paul Rose  
 Bonnitta Marie Roy  
 Kristin White

*Chemistry*

Bradford Samuel Germain  
 Stephen Barry Jacobs  
 Allan Wade Koerner  
 Paul Rose  
 Robert Llewellyn Sundberg

*Classics*

William Mark Brady  
 Jeffrey Warren Clymer  
 Verne Kennedy Heckel III  
 S. Kurt Olson

*East Asian Studies*

David Abrahamson  
 Robert Stone Stevenson

*Economics*

Richard David Abrams  
 Linda Jean Donnell  
 John Thomas Gilligan  
 Lawrence Kenyon Hill  
 Timothy B. Hussey  
 Lynnelle Susan Jones  
 Lucinda Pryor Kearns  
 Mark Joseph Kuhn  
 Gary Martin Lamont  
 Carl Frederick Nelson  
 Peter Alexander Schmidt-Fellner  
 Carl Philip Snyder, Jr.  
 Robert Stout Underhill

*Economics-Mathematics*

Richard David Abrams  
 Lucinda Pryor Kearns

*English*

Susan Hallett Areson  
 Henry Banks  
 Jennifer Carol Barber  
 Jane Martha Brox  
 Samuel Haviland Cremin  
 Laretta M. Daley  
 Fred Harold Daniels  
 Donna Marie Dee  
 Cynthia Kay Ford  
 Kevin Andrew Gliwa  
 John Thomas Landry, Jr.  
 Aaron Louis Lebenger  
 Ann Margaret McCreary  
 Harry Richard Offinger  
 Jeffrey Bruce Potter  
 Deborah Anne Ralphs  
 Mary Elizabeth Rolerson  
 Barbara Ann Shemin  
 James Homer Thrall  
 Joseph William Tyler

*Environmental Studies*

David Paul Donegan

*French*

Lauren Margaret Proctor

*Geology*

Linda Elaine Page

*German*

Sheila Wentworth

*Government*

Jerrold Allen Crouter  
 Karla Joan de Steuben  
 Mary Jean Fitzpatrick  
 Cynthia Kay Ford  
 Daniel Cabot Hoefle  
 Mark Gorman Howard  
 Susan Mary Kenyon  
 Allan Jay Kleban  
 John Thomas Landry, Jr.  
 Elisabeth Mathey  
 David Walden Mills  
 Kim Morey Miner  
 Michael Emmett O'Malley  
 David Michael Sciore  
 Michael Patrick Scott  
 Jeffrey Neil Shribman

Timothy Donal Sopel  
 Joshua Elias Teichman

*History*

Margaret Pearl Buck  
 Kurt Alan Cerulli  
 Robert Gooding Eaton  
 William Jarrett Hallowell Hough III  
 Ellen Mary Kennary  
 Allan Wade Koerner  
 Jane Elizabeth Linge  
 David Howard Simonds  
 Theodore Blackburn Smyth  
 Susan Pendleton Sprague  
 Robin Dennis Walmsley

*Human Development*

Deborah Marilyn Chichester  
 Donna Maria Dietzko  
 Stephanie Leigh Haskell  
 Paula Marie Jones  
 Margaret Keate  
 Cathy Elsa Kindquist

*Mathematics*

Dorothy Ellen Behrer  
 Woodson Scott Bercau  
 Paula Marie Jones  
 Gary Martin Lamont  
 Ian Shaw Ogilvie  
 Gary Burton Simon  
 Joan Carol Vicario

*Music*

Lee-Anne Meservey

*Philosophy*

Peter Rodney Torres

*Philosophy-Religion*

John McDowell Sharpe v

*Physics*

Woodson Scott Bercau  
 James Jon De Yoreo  
 Robert Llewellyn Sundberg  
 David Hossack Van Winkle

*Psychology*

Karen Ann Couture  
 Cathy Elsa Kindquist  
 Karen Joy Miller  
 Bruce Carey Taylor

*Religion*

Alan Erwin Donnenfeld  
Margaret Keate

*Sociology*

Donna Maria Dietzko  
Ronda Elizabeth Faloon  
Kathleen Jackson  
Jayne Paula London  
Brian Palmer McCartney  
Jennifer Lynn Nelson

*Spanish*

Lauren Margaret Proctor

## PHI BETA KAPPA

*Elected in Junior Year*

Kathy Anne Colello  
James Jon De Yoreo  
Ann Margaret McCreary

*Elected in Senior Year*

Richard David Abrams  
Jennifer Carol Barber  
William Mark Brady  
Jane Martha Brox  
Karla Joan de Steuben  
Linda Jean Donnell  
Daniel Francis Driscoll  
Bradford Samuel Germain  
Kevin Andrew Gliwa  
Scott Perley Hamilton  
Verne Kennedy Heckel III  
Stephen Barry Jacobs  
Paula Marie Jones  
Allan Jay Kleban  
Gary Martin Lamont  
James Drennan Lowell, Jr.  
Elisabeth Mathey  
Lee-Anne Meservey  
Karen Joy Miller  
Carl Frederick Nelson  
Linda Elaine Page  
Lauren Margaret Proctor  
Mary Elizabeth Rolerson  
Paul Rose  
Bonnitta Marie Roy  
Peter Alexander Schmidt-Fellner  
Michael Patrick Scott  
David Hossack Van Winkle

## SENIOR SCHOLARS

Jennifer Carol Barber  
*Room At Dawn (A Collection of Poetry)*

Samuel Haviland Cremin  
*The Ice House and Other Poems*

Katherine Helen Kincaid  
*The Visual Interpretation of Man's Environment through Photo-Realistic Techniques in Painting*

John Otis Saunders  
*Methods of Basso Continuo Realization in German and Italian Baroque Music: 1680-1750*

Gary Burton Simon  
*Optimal Management of the Spruce-Fir Forest Against the Spruce Budworm*

Robert Llewellyn Sundberg  
*Crown Ethers: Applications in Inorganic Synthesis*

## JULIUS SEELYE BIXLER SCHOLARS

*Class of 1978*

James Jon De Yoreo  
Verne Kennedy Heckel III  
Ann Margaret McCreary  
Michael Patrick Scott

*Class of 1979*

Monique Louise Fecteau  
Marc Alan Garcia  
Angela Denise Mickalide  
Gregory Mark Pfitzer  
Eric Scott Rosengren

*Class of 1980*

John Kenneth Lancaster  
James Vandermark Lowe  
Joanne Margaret Lynch  
Christopher Winters Platt  
Lloyd David Resnick

## CHARLES A. DANA SCHOLARS

*Class of 1978*

Jennifer Carol Barber  
Anthony John Cagino  
Kathy Anne Colello  
Karla Joan de Steuben  
Donna Maria Dietzko  
Paula Marie Jones  
James Drennan Lowell, Jr.

Mary Elizabeth Rolerson

Paul Rose

Bonnitta Marie Roy

Peter Alexander Schmidt-Fellner

*Class of 1979*

David Watson Allen

Alan Kirk Banks

Amy Jane Burdan

Catherine Courtenaye

Ellen Elizabeth Dunwoody

Rhonda Jane Htoo

Mark Andrew McAuliffe

George Andrew Powers

John Edward Smedley

Jon Christian Swenson

Katherine Ruth Wall

Wende Harriet Whiting

*Class of 1980*

Brian Kenneth Buckley

Karen Hale Dunkle

Gretchen Elizabeth Hall

Patricia Ann Kinsella

Susan Anne Manter

Daniel Jay Ossoff

Richard Alan Sinapi

Diana Sylvia Small

Marjorie Catherine Smith

Sonia Pauline Turcotte

Patricia Valavanis

# College Prizes 1977-78

**GENERAL** *George F. Baker Scholarships.* Awarded to sophomores (and usually reawarded to juniors) demonstrating high qualities of character and motivation, a high degree of recognition by their contemporaries, superior mental competence, and an expressed interest in a business career.

BRIAN KENNETH BUCKLEY '80, DAVID ROBERT BUFFUM '80, ELLEN SCOTT GEANEY '79, DALE LLOYD HEWITT '80, BARRY HORWITZ '79, JOANNE MARGARET LYNCH '80, MARK ANDREW McAULIFFE '79, ELLEN MARIE MERCER '80, ROSS ADAM MOLDOFF '79, BARBARA ANN NEAL '80, KELLEY SUE OSGOOD '80, RANDY CHRIS PAPAPELLIS '79, KAREN JEANNE PAZARY '79, ERIC SCOTT ROSENGREN '79, DIANA SYLVIA SMALL '80, JEFFREY ROBINSON TAYLOR '79.

*Bixler Scholarships.* Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

*Frederick F. Brewster Honor Scholarship.*

Not awarded.

*Colby Library Associates Book Prize.*

Not awarded.

*Condon Medal.* Gift of the late Randall J. Condon '86, awarded to the senior who, by vote of his classmates and approval by the faculty, is deemed "to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life."

R. CHRISTOPHER NOONAN '78.

*Charles A. Dana Scholarships.* Available to qualified sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits. Each year, approximately sixty new Dana Scholars are selected.

*Adelaide True Ellery Scholarships.* Awarded to women for outstanding religious leadership.

JANE ELLEN DIBDEN '80, LAUREL ANNE MUNSON '80.

*Arthur Galen Eustis, Jr., Prize.* Awarded to a member of the junior class who, as an adviser to freshmen or as a member of the dormitory staff, has exhibited qualities of integrity, leadership, warmth of personality, and concern for others.

EMILY MARIE GROUT '79.

*Lelia M. Forster Prizes.* Awards are made to the freshman man and woman who, "by their academic performance, the respect they

command from their classmates, and the constructive contribution they have made to life on the campus, have shown the character and ideals most likely to benefit society.”

JOEL EDWARD CUTLER '81, DARLENE JOI HOWLAND '81.

*Phyllis S. Fraser Scholarship.* Presented by Alpha chapter of Sigma Kappa to a Colby son or daughter.

Not awarded.

*Josephine Bodurtha Gagnon Scholarship.* Awarded annually by the Alpha Delta chapter of Alpha Delta Pi sorority on the basis of financial need, scholarship, and campus leadership.

Not awarded.

*Hillel Honor Keys.* Presented by the B'nai B'rith Hillel Foundations for outstanding leadership.

GREGORY G. LEEDS '81, BETH SUSAN MORRIS '81.

*Lieutenant John Parker Holden, II, Award.* For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

DALE LLOYD HEWITT '80.

*Donald P. Lake Award.* Given to seniors whom the Varsity “C” Club selects for outstanding scholastic achievement, athletic leadership, and ability.

PAUL EUGENE HARVEY, JR. '78.

*Kim Miller Memorial Prize.* Given by the alumni and active chapter of Lambda Chi Alpha to an outstanding junior man who exemplifies the qualities of friendship, individualism, and leadership.

GERARD PAUL TEEVEN '79.

*Lorraine Morel Memorial Award.* Given to a junior woman who, by her sense of purpose and service, has made significant contributions to the academic and social life of the campus.

STACIE KNOX STODDARD '79.

*George T. Nickerson Award.* Presented by the Council of Fraternity Presidents to the fraternity that fosters to the greatest extent student, faculty, and administrative relations.

Not awarded.

*Jacqueline R. Nunez Award.* Given to a woman student with outstanding qualities.

CHERYL ANN PETERS '80.

*Laurie Peterson Memorial Book Prize.* Given to a junior government major who, through academic achievement and evidence of leadership and character, has made an outstanding contribution to the department.

NEAL CARL MIZNER '79.

*Ninetta M. Runnals Scholarship.* Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.  
ANGELA DENISE MICKALIDE '79.

*Scott Paper Foundation Awards for Leadership.* Awarded to a sophomore who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.  
NELSON VANDEVENTER RUSSELL '80.

*Student Association Awards.* Presented to a senior man, a senior woman, and college employees for service to the college.  
R. CHRISTOPHER NOONAN '78, JOANN MARIE BARRY '78, PATRICK CHASSÉ, JR., PHYLLIS MANNOCCI.

*Philip W. Tirabassi Memorial Award.* A book awarded to a junior man who has "willingly assisted his classmates, promoted the best interests of the college, and maintained a superior academic average."  
NEAL CARL MIZNER '79.

*Carrie M. True Award.* Given to a woman selected for pronounced religious leadership and influence on the life of the college.  
ELEANOR SALTONSTALL CAMPBELL '81.

*Waterville Area Alumni Association Award.* Presented for scholastic and personal achievement to a senior from the Waterville area.  
Not awarded.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

DWIGHT LEONARD ALLISON '79, GAYLE ELIZABETH AMATO '79, PAUL DAVID KAZILIONIS '79, DONALD JOSEPH LAVOIE '79, ERIC SCOTT ROSENGREN '79, SARAH LOUISE RUSSELL '79.

*Ernest L. Parsons Prizes.*

KARLA JOAN DE STEUBEN '78, LINDA JEAN DONNELL '78, SCOTT PERLEY HAMILTON '78, GARY MARTIN LAMONT '78, JAMES DRENNAN LOWELL, JR. '78, CARL PHILIP SNYDER, JR. '78, LINDA MARIE SULLIVAN '78.

*Prentice-Hall Accounting Award.*

KELLEY SUE OSGOOD '80.

*Wall Street Journal Award in Finance.*

LINDA JEAN DONNELL '78.

ART *Charles Hovey Pepper Prizes.*

KATHERINE HELEN KINCAID '78, DAVID KNOWLTON TOZER '78.

CLASSICS *John B. Foster Prize.*

WILLIAM MARK BRADY '78.

DRAMATICS *Andrew Blodgett Award.*  
ROBERT LELAND LEFEBER '78.

ECONOMICS *Breckenridge Prizes.*  
CARL FREDERICK NELSON '78, PETER ALEXANDER SCHMIDT-FELLNER '78.  
*Faculty Prizes in Economics.*  
CARL FREDERICK NELSON '78, PETER ALEXANDER SCHMIDT-FELLNER '78.

ENGLISH *Mary Low Carver Prizes for Poetry.*  
JENNIFER CAROL BARBER '78, SAMUEL HAVILAND CREMIN '78, RONNI-JO POSNER '78.  
*Solomon Gallert Short Story Prize.*  
ANN MARGARET MCCREARY '78.  
*Elmira Nelson Jones Essay Prizes.*  
ALAN KIRK BANKS '79, ALIX ELIZABETH LAND '78, BARBARA ANN SHEMIN '78.

HISTORY AND GOVERNMENT *F. Harold Dubord Prize in Political Science.*  
MICHAEL PATRICK SCOTT '78.  
*Paul A. Fullam History Prizes.*  
ALLAN WADE KOERNER '78, ROBIN DENNIS WALMSLEY '78.  
*Edward Lampert History Prize.*  
Not awarded.  
*William J. Wilkinson History Prizes.*  
BRUCE DOUGLAS BROWN '79, GREGORY MARK PFITZER '79.  
*Susan Lee Yovic Award.* Presented to the student who has achieved the highest degree of competence in the field of international law.  
Not awarded.

INTERDISCIPLINARY STUDIES *American Studies Prizes.*  
*1st Prize:* MICHAEL PATRICK SCOTT '78.  
*2nd Prize:* KEVIN ANDREW GLIWA '78.  
*3rd Prize:* ELLEN MARY KENNARY '78.  
*East Asian Studies Prize.*  
ROBERT STONE STEVENSON '78.

MODERN LANGUAGES *Chinese Book Prize.*  
DAVID ABRAHAMSON '78.  
*French Book Prizes.*  
ANN MERIDEN ALBEE '80, MARGARET FARRELL BABCOCK '81, ELIZABETH HOWARD BOWEN '81, ELEANOR SALTONSTALL CAMPBELL '81, CYNTHIA LYNNE KAIHLANEN '80, DEBORAH MARIE PAUL '81, PETER ALEXANDER SCHMIDT-FELLNER '78.



*German Consulate Book Prizes.*

*Beginning German:* DEBORAH ELLEN CRONIN '78, KATHERINE JANE DORNISH '81, DAVID MULLANEY RICE '81.

*Intermediate German:* SUSAN LESLIE PLUMMER '78, JAMES HOMER THRALL '78.

*Advanced German:* JOHN EDWARD SMEDLEY '79, SHEILA WENTWORTH '78.

*Special Recognition:* PAMELA J. BEMBRIDGE '80.

*Japanese Book Prize.*

JOSEPH FRANCIS MEYER '79.

*Linguistics Prize.*

ELIZABETH DUGAN '78.

*Harrington Putnam Prize for Excellence in German.*

KAREN JOAN SULKALA '81.

*Russian Book Prize.*

Not awarded.

*Spanish Book Prizes.*

MAGDALENE CHRISTOLOW '81, AMY MEREDITH HASELTON '81, JONATHAN MARC KAUFMAN '81, PAULETTE MARIE LYNCH '81, ELISABETH RUTH OBER '81, BETTE ANN SMITH '81.

MUSIC *Colby College Band Award.*

JEFFREY WARREN CLYMER '78.

*Ermanno Comparetti Music Prize.*

DANA STEPHEN RUSSIAN '79.

*Glee Club Awards.*

CHARLENE MARIE FOSTER '78, JAMES HOMER THRALL '78.

*Alma Morrissette Award.*

LEE-ANNE MESERVEY '78.

*Symphony Orchestra Awards.*

ELIZABETH SANDIN '79, JOHN OTIS SAUNDERS '78.

NATURAL SCIENCES *Accreditation by the American Chemical Society.*

JEFFREY WARREN CLYMER '78, CHRISTA LEE GANDENBERGER '78, HUGH RALPH GREGG '78, ROBERT LLEWELLYN SUNDBERG '78.

*ACS Undergraduate Award in Analytic Chemistry.*

MARC JON ALPERIN '79.

*American Institute of Chemists Award.*

ROBERT LLEWELLYN SUNDBERG '78.

*The Webster Chester Biology Prize.*

SCOTT KEVIN DROWN '78.

*Chi Epsilon Mu Prize in Chemistry.*

JEFFERY THAYER DAVIS '81.

*Alan Samuel Coit Biology Prizes.*

PAUL ROSE '78, BONNITTA MARIE ROY '78.

*Departmental Prizes in Science.*

*Biology:* Not awarded.

*Chemistry:* JOHN FRANCIS MONROE '80, PAUL ROSE '78, JOHN EDWARD SMEDLEY '79.

*Geology:* Not awarded.

*Mathematics:* GARY MARTIN LAMONT '78, GARY BURTON SIMON '78, MARTHA JANE SOUCY '79.

*Physics:* Not awarded.

*Samuel R. Feldman Award for Premedical Studies.*

DANIEL FRANCIS DRISCOLL '78.

*Mark Lederman Prize for Study of Medicine.*

STEPHEN BARRY JACOBS '78.

*Mark Lederman Scholarships in Biology.*

SUSAN ANNE MANTER '80, DOUGLAS JAMES TARON '79.

*William A. Rogers Prize in Physics.*

JOHN EDWARD SMEDLEY '79.

PHILOSOPHY *John Alden Clark Essay Prize in Philosophy and Religion.*

DAVID MULLANEY RICE '79.

*Stephen Coburn Pepper Prize in Philosophy.*

JOHN MCDOWELL SHARPE V '78.

PSYCHOLOGY *Departmental Prizes in Psychology.*

KAREN ANN COUTURE '78, KAREN JOY MILLER '78.

PUBLIC SPEAKING *Coburn Speaking Prizes.*

*1st Prize:* BRENDA LEE BOWEN '80.

*2nd Prize:* SYLVIA MARIAN BULLOCK '78.

*3rd Prize:* FRANK F. WIRMUSKY '81.

*Goodwin Public Speaking Prizes.*

*1st Prize:* LAUREL A. JOHNSON '79.

*2nd Prize:* SCOT CHRISTOPHER LEHIGH '80.

*3rd Prize:* SIDNEY KARL MOHEL '79.

*Hannibal Hamlin Speaking Prize.*

JAMES FOX TRUMM '81.

*Herbert Carlyle Libby Prize.*

Not held.

*Montgomery Interscholastic Speaking Contest Prizes.*

Not held.

*Murray Debating Prizes.*

CHRISTOPHER DAVID BLASS '79, STEVEN RICHARD SINGER '79.

SOCIOLOGY *Albion Woodbury Small Prizes.*

CORINNA LOUISA BOLDI '79, KATHLEEN JACKSON '78.

MEN'S ATHLETICS *J. Seelye Bixler Award in Track.*

WILLIAM JOHN GETCHELL '78.

*James Brudno Award in Track.*

WILLIAM JOHN GETCHELL '78.

*Coaches' Awards.**Baseball:* JEFFERY THAYER DAVIS '81.*Basketball:* STEPHEN TURNER MAGUE '78.*Football:* PHILLIP DANIEL MCCARTHY '78.*Hockey:* ANTHONY FRANCIS PEDUTO '81.*David W. Dobson Memorial Skiing Award.*

Not awarded.

*Peter Doran Award in Track.*

PAUL DAVID KAZILIONIS '79.

*Ewell-Steinberg-Goodhope Lacrosse Awards.*

ROBERT ALAN JOHNSTON '78, ROBERT HAMLON MOTLEY '80.

*Paul F. "Ginger" Fraser Award for a Nonletterman in Football.*

WAYNE RICHARD GOMBOTZ '81.

*Free Throw Award in Basketball.*

PAUL R. BELANGER '81.

*Lacrosse Awards.**Most Improved Player:* SHAWN MICHAEL MORRISSEY '80.*Most Valuable Player:* PETER LEON CRIMMIN '79.*Robert LaFleur Memorial Basketball Award.*

PAUL EUGENE HARVEY, JR. '78.

*Gilbert F. "Mike" Loeb's Soccer Award.*

DOUGLAS STEPHEN LEWING '79.

*Ellsworth W. Millett Award for Outstanding Contribution to Athletics over Four Years.*

PHILLIP DANIEL MCCARTHY '78.

*Ellsworth W. Millett Hockey Awards.*

JOSEPH FAULSTICH '80, THOMAS PATRICK SCANNELL '78.

*Most Valuable Offensive Player in Football Award.*

DONALD JAMES FURCILLO '78.

*Cy Perkins Track Award.*

DOUGLAS ALAN JOHNSON '80.

*Edward C. Roundy Memorial Baseball Award.*

PAUL GERARD SPILLANE, JR. '79.

*Mike Ryan Track Award.*

BRUCE HENRY LAMBERT '80.

*Theodore N. Shiro Basketball Award.*

STEPHEN TURNER MAGUE '78.

*Herbert E. Wadsworth Football Award.*

JOSEPH MICHAEL KERWIN '78.

*Robert "Tink" Wagner Baseball Award.*

RICHARD JAMES BUCHANAN '80.

*Norman E. Walker Hockey Awards.*

BRUCE BARBER '81, DONALD F. BOLDOC '80.

*Norman R. White Leadership and Sportsmanship Award.*

WILLIAM JOHN GETCHELL '78.

*Matthew Zweig Award.*

JAMES HENRY CROOK, JR. '78.

WOMEN'S ATHLETICS *Basketball Awards.*

*Most Valuable Players:* NANCY ALICE CHAPIN '80, PATRICIA VALAVANIS '80.

*Most Improved Player:* SARAH LOUISE RUSSELL '79.

*Cross Country Award.*

*Most Valuable Runner:* BARBARA ANN NEAL '80.

*Field Hockey Award.*

*Most Valuable Player:* HILLARY ANNE JONES '79.

*Ice Hockey Awards.*

*Most Valuable Player:* LEE VIRGINIA JOHNSON '79.

*Most Improved Player:* JEAN LAURELLE MINKEL '80.

*Captain's Cup for Team Spirit:* JEAN LAURELLE MINKEL '80.

*Tennis Award.*

*Most Valuable Player:* MAUREEN FLINT '80.

# Interviewers for Admission 1978-79

This list is arranged alphabetically by states and numerically by zip codes.

## ALASKA

Ms. Bonnie N. Carter '74  
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Narl Barrow 99723

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Miss Molly Milligan '77  
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6491 Fairlynnne Boulevard  
Yorba Linda 92686

Mr. Lloyd I. Cohen '59  
18524 Cottonwood  
Fountain Valley 92708

Miss Joy Sawyer '77  
Thacher School  
Ojai 93023

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Oxnard 93030

Mrs. Lawrence W. Carr '60  
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Los Altos 94022

Mrs. Richard Canton '57  
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Atherton 94025

Mr. Frank J. Evans '75  
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San Francisco 94131

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Stanford University  
Stanford 94305

Mrs. S. Baines Howard '53  
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Mr./Mrs. John W. E. Vollmer '60/'62  
1623 Silver Dell  
Lafayette 94549

Ms. Roberta M. Lane '70  
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Mill Valley 94941

Mrs. Anne H. Jordan '73  
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Novato 94947

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Mr. Arthur White '52  
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West Hartford 06107

Mr. Norman P. Lee '58  
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West Hartford 06107

Mr./Mrs. Robert Roth '51/'51  
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Falmouth Foreside 04105

Mr./Mrs. Craig Houston '75/'75  
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Mr. Brian Shacter '66  
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Concord 01742

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1729 Wedgewood Common  
Concord 01742

Mr. Edward Ruscitti '61  
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Dedham 02026

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Centre Street  
Dover 02030

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Waban 02168

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Mr. John T. King II '54  
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Wellesley 02181

Mrs. Holly A. Belmosto '73  
239 Pearl Street  
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15 Linda Lane  
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Mr. Jeffrey Werner '74  
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Mr. Herbert Nagle '52  
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Mr. Ronald J. Saad '65  
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Mrs. Stephen E. Gentle '62  
Atwood Circle  
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Mr. William D. Wooldredge '61  
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Dr. David S. Crocket '52  
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Easton 18042

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153 Jonathan Drive  
Easton 18042

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'63/'65  
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Ambler 19002

Mr. Chester D. Harrington, Jr. '51  
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Camuy 00627

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Mr./Mrs. Michael J. Szostak '72/'72  
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Threshold House  
Sheldon Springs 05485

Ms. Jennifer Frutchy '76  
Burke Mountain Academy  
East Burke 05832

**VIRGINIA**

Mr./Mrs. Nathaniel E. Butler '63/'63  
343 Club View Drive  
Great Falls 22066

Mr. Stuart H. Rakoff '65  
2242 Castle Rock Square, #22-C  
Reston 22091

Mrs. Ann R. Starr '67  
10404 Hunter Ridge Drive  
Oakton 22124

Mr. Jeffrey N. Silverstein '70  
5702 Dreyfuss Street  
Springfield 22151

Mrs. Milton Sokoll '53  
705 MacArthur Boulevard  
Vienna 22180

Mrs. Kevin McCarthy '73  
3723 Lyons Lane  
Alexandria 22302

Mrs. Barbara Walker '51  
6505 Barcraft Lane  
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Mr./Mrs. Don Vollmer '56/'61  
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Mercer Island 98040

Ms. Brewster H. Gere, Jr. '66  
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Seattle 98112

Mr./Mrs. David Galvin '75/'75  
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Seattle 98115

Mr. Karl B. Ostendorf '66  
716 North 61st Street  
Seattle 98103

Mrs. Donald G. Sachs '45  
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Seattle 98166

Mrs. Jeremy Mattox '64  
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West Seattle 98199

WISCONSIN

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Miss Rosemarie Carbino '62  
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Mr. Daniel S. Timmons '70  
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Otterburn Park, Quebec J3H 2M4

## ENGLAND

Mrs. Warren J. Randolph '57  
"The Cottage," Squire's Mount  
London NW3

## SWEDEN

Ms. Faye K. Kurnick '69  
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75241 Uppsala

## THAILAND

Ms. Maureen Ulevich '70  
P.O. Box 775  
Associated Press  
Bangkok

# WCBB-TV

WCBB-TV, a public television station, is licensed to the Colby-Bates-Bowdoin Educational Telecasting Corporation, formed by the three colleges in 1961. Offices and studios are in Lewiston. At the time of its founding, WCBB-TV was the first educational television station in Maine, the third in New England, and the sixth in the nation.

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# College Calendar 1979-80

## FIRST SEMESTER

Thursday, September 6	Freshman program begins
Sunday, September 9	Upperclass registration
Monday, September 10	First classes
Friday-Sunday, October 5-7	Weekend for families of sophomores, juniors, and seniors
Friday, October 19	Midsemester
Friday-Sunday, October 19-21	Homecoming weekend
Friday-Sunday, November 9-11	Weekend for families of freshmen
Tuesday, November 20, at the conclusion of the evening seminars <i>to</i>	Thanksgiving recess
Monday, November 26, 8:00 a.m.	
Friday, December 7	Last classes of the first semester
Monday, December 10 <i>through</i>	Semester examinations
Saturday, December 15	
Sunday, December 16	Make-up examinations
Monday, December 17	Christmas recess begins (residence halls closed)
Monday, January 7 <i>through</i>	January program
Friday, February 1	

## SECOND SEMESTER

Tuesday, February 5	Registration
Wednesday, February 6	First classes
Thursday, March 20	Midsemester
Friday, March 21, 5:30 p.m. <i>to</i>	Spring recess (residence halls closed)
Monday, March 31, 8:00 a.m.	
Monday, April 28 <i>through</i>	Spring registration
Friday, May 2	
Monday, April 28 <i>through</i>	Optional reading period for 300 and 400 courses
Friday, May 9	
Friday, May 9	Last classes of the second semester
Saturday, May 10	Last day for scheduled events
Tuesday, May 13 <i>through</i>	Semester examinations
Monday, May 19	
Tuesday, May 20	Make-up examinations
Sunday, May 25	Commencement

The college reserves the right in its sole judgment to make changes of any nature in its program, calendar, or academic schedule whenever it is deemed necessary or desirable, including changes in course content, the rescheduling of classes with or without extending the usual academic term, cancellation of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or other academic activities, in any such case giving such notice thereof as is reasonably practicable under the circumstances.

# 1979

S M T W T F S

## JULY

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## AUGUST

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## SEPTEMBER

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# 1981

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S M T W T F S

## JULY

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