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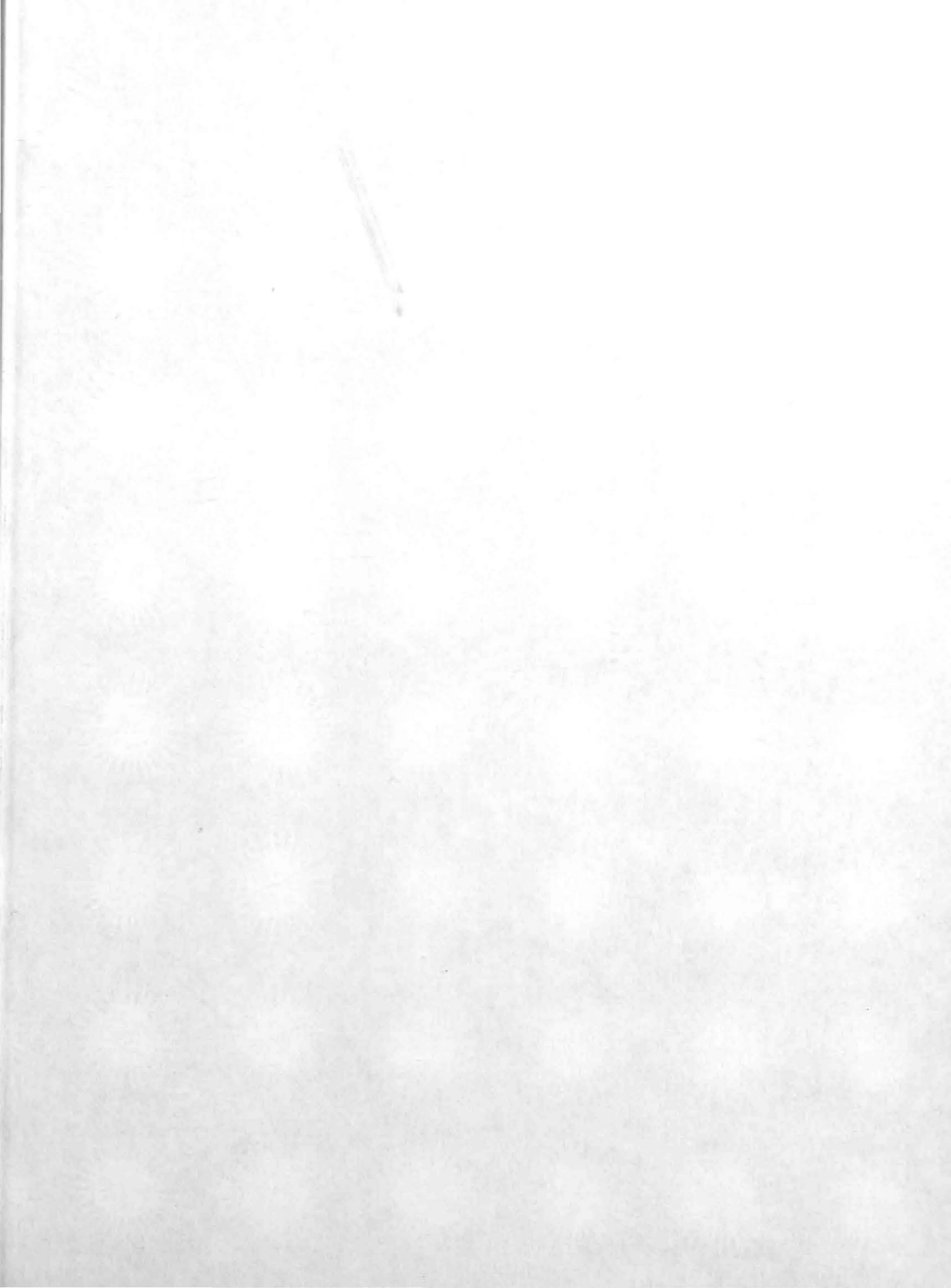








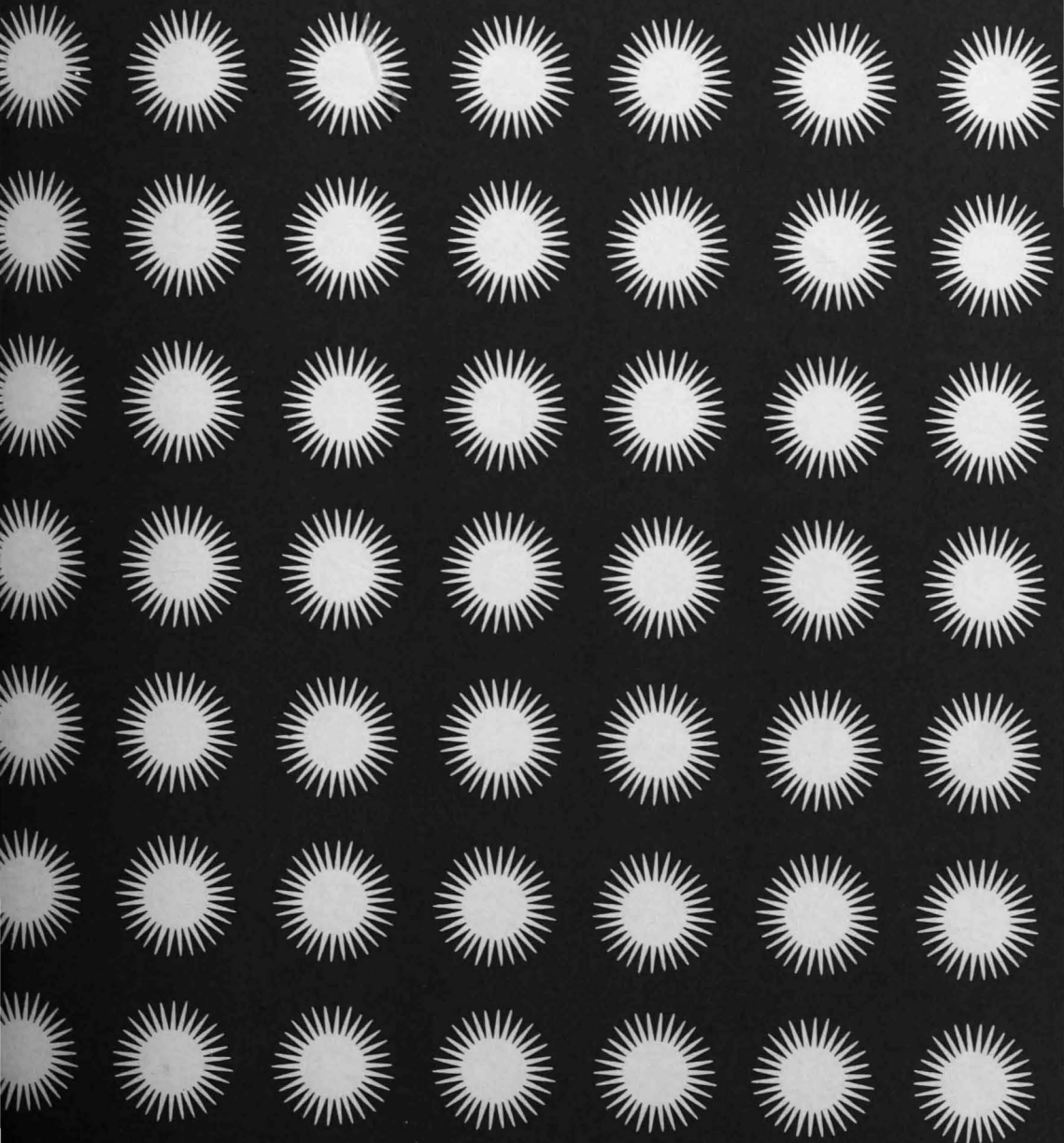






# COLBY COLLEGE BULLETIN

*Catalogue, September 1981*



The *Colby College Bulletin* (USPS 120-880) is published four times yearly: twice in September, and in January and March. This is Series 81, Number 2, September 1981. 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 CATALOGUE

*Colby College Bulletin*  
*September 1981*

WATERVILLE, MAINE

*Inquiries to the college should be directed as follows:*

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>Controller and Assistant Treasurer</i>
CAREER PLANNING	PATRICIA L. HICKSON, <i>Director of Career Planning</i>
FOREIGN STUDENT ADVISER	To be appointed, <i>Director of Intercultural Activities</i>
GRANTS, LOANS, AND STUDENT EMPLOYMENT	GARY N. WEAVER, <i>Director of Financial Aid</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>

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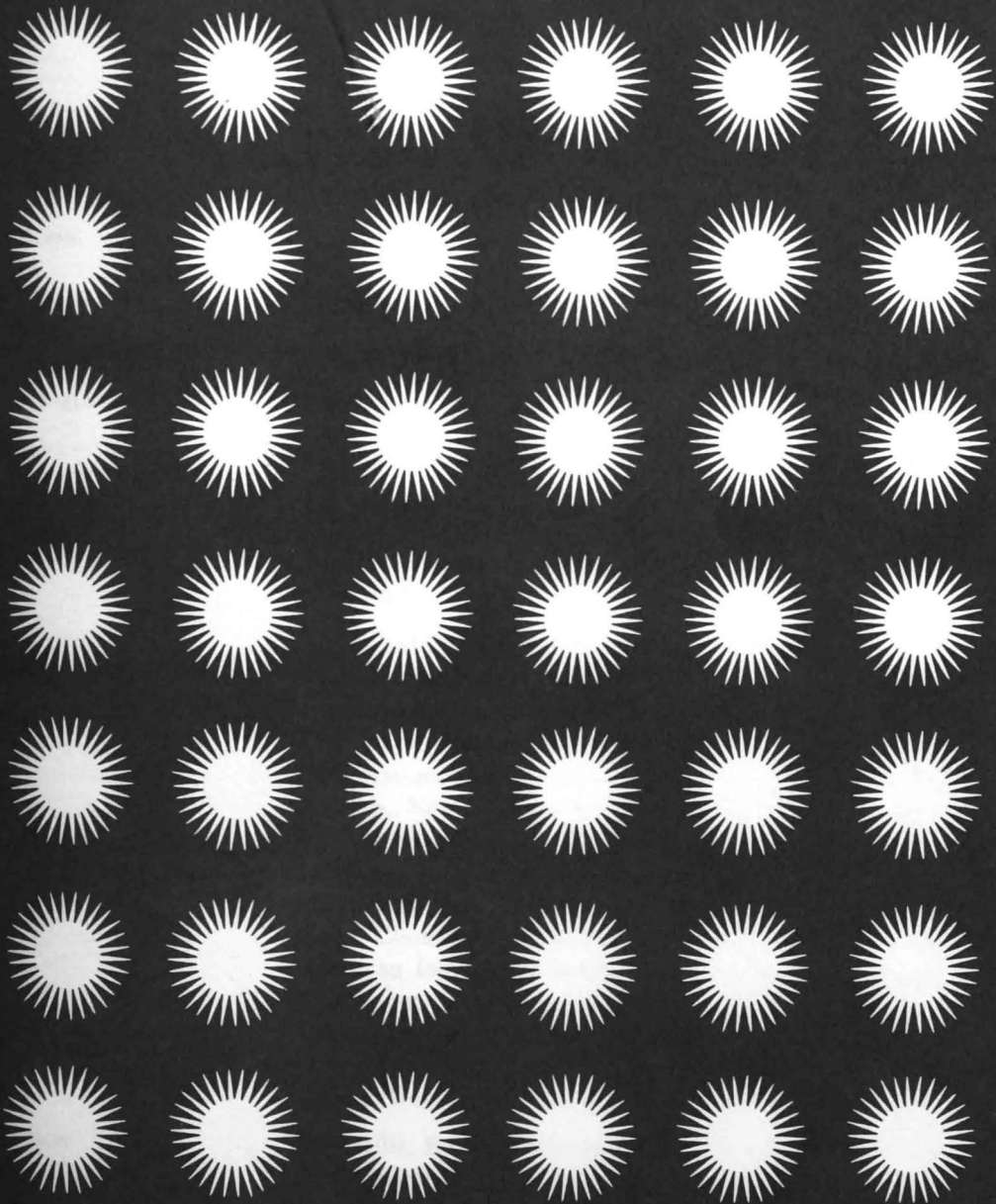
Mailing address: Colby College, Waterville, Maine 04901.  
Telephone: (207) 873-1131.

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. Membership in the association indicates that the institution has been carefully evaluated and found to meet standards agreed upon by qualified educators.

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 such criteria in its educational or employment policies, or in its 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.

The college reserves the right in its sole judgment to make changes of any nature in its program, calendar, academic schedule, fees, deposits, or any other matters in this catalogue.



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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	1,663 (opening, 1980).
FACULTY	146 full-time and part-time.
ENDOWMENT	\$27,367,499 (market value as of June 30, 1980).
LIBRARY	365,000 volumes and 66,095 microtexts; 1,400 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, New England Library Network, Center for African and Afro-American Studies, New England Regional Conference of the National Council for Black Studies, American Institute of Indian Studies, and American Studies Association. Corporate member of American Association of University Women; chapter of American Association of University Professors; New England Small College Athletic Conference. Colby chapter of Phi Beta Kappa founded 1895.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Regional medical center. Industries: textiles, paper, molded



wood-pulp products, shirts, plastics. Bus service: Greyhound Lines. Robert LaFleur Airport served by Air New England and Bar Harbor Airlines. 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 World War I, 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 World War II. 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. During the presidency of Robert E. L. Strider II, 1960-79, Colby strengthened its academic programs through faculty development, tripled the college's endowment, and added eleven new buildings, including a science complex, a performing arts center, and an art and music center.

In September 1979 William R. Cotter, graduate from Harvard College and Harvard Law School, was inaugurated as Colby's eighteenth president. He came to Colby with a background that included experience in international educational exchange, appointments in Nigeria and Colombia, research, a year as a White House Fellow, and several years of private law practice. His presidency has been characterized by an emphasis on increasing informal contact between students and faculty, strengthening the advising system, and creating a new program of overseers and visiting committees to ensure quality and to afford an additional outlet for the expression of faculty and student concerns. The Ralph J. Bunche Scholars and the Mayflower Hill Scholars programs were initiated for outstanding minority students and residents of Maine. Recent curriculum review has resulted in a modification of the January program, increased emphasis on computer offerings, interdisciplinary teaching for both freshmen and seniors, and strengthening of off-campus programs. The college also constructed a new

100-bed energy-efficient dormitory and has started renovating and substantially enlarging the library.

The growth of Colby since the transfer to Mayflower Hill has been striking. There are now forty-two 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 146. Endowment has increased from three million to twenty-seven 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 included 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.

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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
1979-	WILLIAM R. COTTER

## 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 require further specialized study, is a broad acquaintance with human knowledge rather than narrowly concentrated training in limited areas. Colby is concerned with ideas and values as they are inherited from the past, as they are perceived in the present, and as they may be developed in the future.

In addition to a comprehensive investigation of our heritage, Colby students are urged to explore through their electives and to concentrate by choosing a traditional major or interdisciplinary or area studies.

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 encouraged to consider graduate study following Colby. Each year a number enter law, medical, dental, and divinity schools, and graduate schools of arts and sciences, business, education, and engineering.



A recent survey of three classes (1968, 1976, 1978) indicates that over eighty percent of each class will continue their studies at graduate or professional schools within ten years of graduation.

# 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-two buildings stand on a campus of 900 acres, one of the most modern and beautiful in the nation.

The first 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 the section that follows. The building is in the process of being renovated and expanded.

The science center consists of three buildings connected as a unit: the Seeley G. Mudd Science Building 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.

The humanities and social sciences are located in the Elijah Parish Lovejoy Building, named for the 1826 Colby graduate who was America's first martyr to 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, Given 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 includes 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 take their meals on campus. There are nineteen dormitories, most of which are coeducational. For the purpose of programming, the campus is divided into five areas, each coordinated by a faculty member or faculty family in residence.

A new residence hall, the Heights, located on the wooded slope behind the chapel, is designed to take optimum advantage

of passive solar energy. The building accommodates 100 students in four-person suites, as well as in single and double rooms.

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 studio, darkrooms, and is headquarters for the Student Association, the outing club, and all student publications, as well as the campus radio station, WMHB.

A student-operated coffee house is located in Mary Low Hall.

Completed in 1976, the Performing Arts Center in the Nineta 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 two weight training rooms.

All academic buildings, selected dormitories and dining halls, theater, student center, art gallery, health center, administration building, and athletic facilities provide access for the handicapped, or will do so when construction now in progress is completed.

Outdoors there are some fifty acres of playing areas: two football fields, one baseball diamond, fourteen tennis courts, three

soccer fields, as well as fields for men's and women's lacrosse, field hockey, rugby, intramural competition, and recreation, a quarter-mile track, and cross-country courses for running and skiing. 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 is undergoing an extensive renovation and addition that will dramatically increase accommodations for readers, book collections, and staff.

The library 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 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 365,000 volumes. The library has 1,400 current periodicals, with strong retrospective runs, and daily newspapers from this country and abroad. Miller Library is a selective depository for United States government documents. 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. The library is a member of the New England Library Network.

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 Allyn-Smith Science Library of the 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 Masfield, 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, anthropology, 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.

## THE STUDENT'S PROGRAM

The student at Colby normally takes from twelve to eighteen credit hours in each semester, and one offering during the January term.

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 should be 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. Students should, however, avoid overconcentration in any department or division.

Each freshman has a faculty adviser who may be one of his teachers or who is assigned to his section of the dormitory. A new faculty adviser is assigned at the end of the freshman year when the student has tentatively selected a 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. The selection of a major at the end of the freshman year is by no means final; students are encouraged to explore alternatives throughout their sophomore year.

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**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 take two or three January courses, depending upon the number of years in residence at Colby (see also JANUARY PROGRAM OF INDEPENDENT STUDY).

Only those seniors who have met all graduation requirements are eligible to participate in the commencement exercises.

**QUANTITY** A minimum of 120 semester credit hours, at least 105 of which (hereafter called "basic credits"), including 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 basic 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  
REQUIREMENTS** I ALL COLLEGE 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) 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 French 127, by enrolling in 121, 122, 123, 124, 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 271)

Greek

Latin

Modern Foreign Languages (above the intermediate level)

Music

Performing Arts (except 251)

Philosophy and Religion (certain courses: Religion 211, 212, 233, 234, 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

Anthropology

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. Students are encouraged to reexamine their choice of major during the sophomore year.

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 the 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

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**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 required 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.

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**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 pur-

sued singlemindedly, free from the competing demands of an orthodox curriculum.

Because the January program assures most students considerable flexibility in use of their time, it permits students to participate fully in extracurricular activities in athletics, drama, music, and other fields. While students are encouraged to attend the lectures, seminars, concerts, and art exhibitions scheduled by the college, they are expected to spend thirty to forty hours a week on their January program topics.

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 take three January programs if he is in residence for four or more first semesters, or two if in residence for three or fewer first semesters. Freshmen are required to take January courses and will be given preference in 100-level and most noncredit programs. Sophomores, juniors, and seniors may take courses or pursue independent study. The addition in 1982 of credit options for the January program allows students to reduce the number of credits for which they must register during semesters.

January program options are:

(1) Courses offered for credit. Some are created specifically for January; others, originally designed to be offered during regular semesters, may be modified for January. Such courses will ordinarily be graded in the same manner as semester courses, except that nongraded January courses will be marked *credit* or *fail*.

(2) Noncredit courses. These courses fulfill the January program requirement for graduation, but students do not earn course credit that can be applied toward the credit hours required for graduation. These courses may be experimental or offered by experts in fields not included in the regular curriculum, and will be graded *honors*, *pass*, and *fail*.

(3) Independent study during January may be taken under a variety of credit options to be arranged with the instructor or sponsor, as appropriate. Great diversity is possible in the nature and conduct of individual projects. Students may work on campus or away, in laboratories, museums, libraries, hospitals,

professional offices, government agencies, and the like. 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.

Other than the grades indicated above, 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. Grades of *Abs* and *Inc* must be made up within limits set by the instructor, and not later than the second day following spring recess.

Descriptions of courses to be offered in January will be available when students register for first semester to enable students, in consultation with their advisers, to plan their curriculum for the year.

Registration for the January program takes place in October; a fine is charged for late registration. A student failing to register by the third day of the January program will be considered to have failed the program for that year, with the failure to be noted on the student's transcript. A student may not register for more than one January program each year.

#### 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

Colby has a Junior Year Abroad program in France at the Université de Caen. The academic year in Caen is preceded by an orientation of six weeks in Paris with language and civilization courses and a full program of cultural outings. Details 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, there is an exchange agreement with Kansai Gaikokugo Daigaku of Osaka. By agreement with Manchester College Oxford, limited numbers of Colby nominees are accepted for a year of study there.

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, Howard University in Washington, D.C., 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 programs. Colby students away on exchange may not do January programs during the academic year they are away unless they have one or more January program deficiencies.

#### 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 ex-

periences 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. In some situations, students earning Colby credits in this program are 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.

Colby is one of eighteen institutions participating in a one-semester program in American Maritime Studies taught at the Mystic (Connecticut) Seaport Museum and accredited through Williams College.

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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.

There is a director of intercultural activities who serves as special adviser to foreign students.



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**COMPUTER RESOURCES**

The trustees recently endorsed plans for significantly increasing the use of computers in the curriculum during the next several years. New faculty appointments enable Colby to offer instruction in computer science, and key courses have been identified to introduce students to uses of computers in several disciplines. Computer literacy for all graduates is an objective. Facilities include two time-shared DEC PDP-11's, to which a VAX-11/780 will soon be added. Students have free access to those systems from a continually increasing number of keyboard terminals. Color graphics capability is provided via distributed processing. Users may program in C, PASCAL, FORTRAN, BASIC, or assembly language, or may run existing programs for statistical analysis, data-base manipulation, or specific, course-related exercises.

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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); 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 by the end of the change of course period in the semester in which the course is 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.

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**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 mark for the course equal to seventy-five percent of his average without examination. Because this procedure is costly in 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 ordinarily 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) during semesters, as *Cr* or *F* in January. 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 examination. 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 July 1 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.

At the end of each semester, the progress of each student is examined, and the records of students who are deficient are reviewed by the committee on academic standing. The committee, which has full power to deal with these matters, considers both quantity and quality of work in determining progress. Students who earn fewer than twelve credits or twenty-four quality points may be placed on probation or dropped from the college.

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.

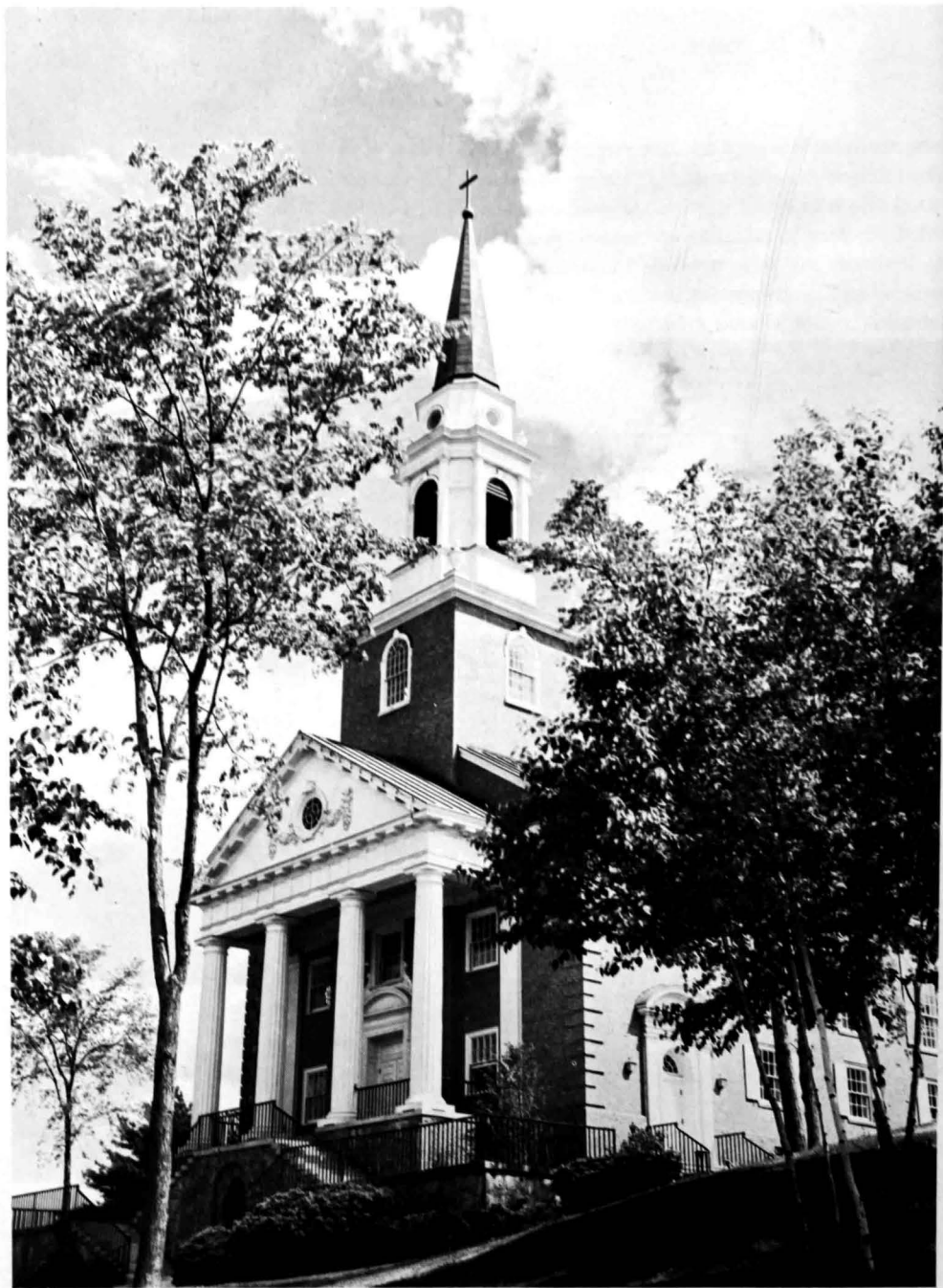
Students who leave to participate in college-approved student programs elsewhere or who leave at the end of a semester for a specified period may take a leave of absence and are not required to obtain special permission in order to return. Those who do poorly in study programs elsewhere are, however,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

TRANSCRIPTS

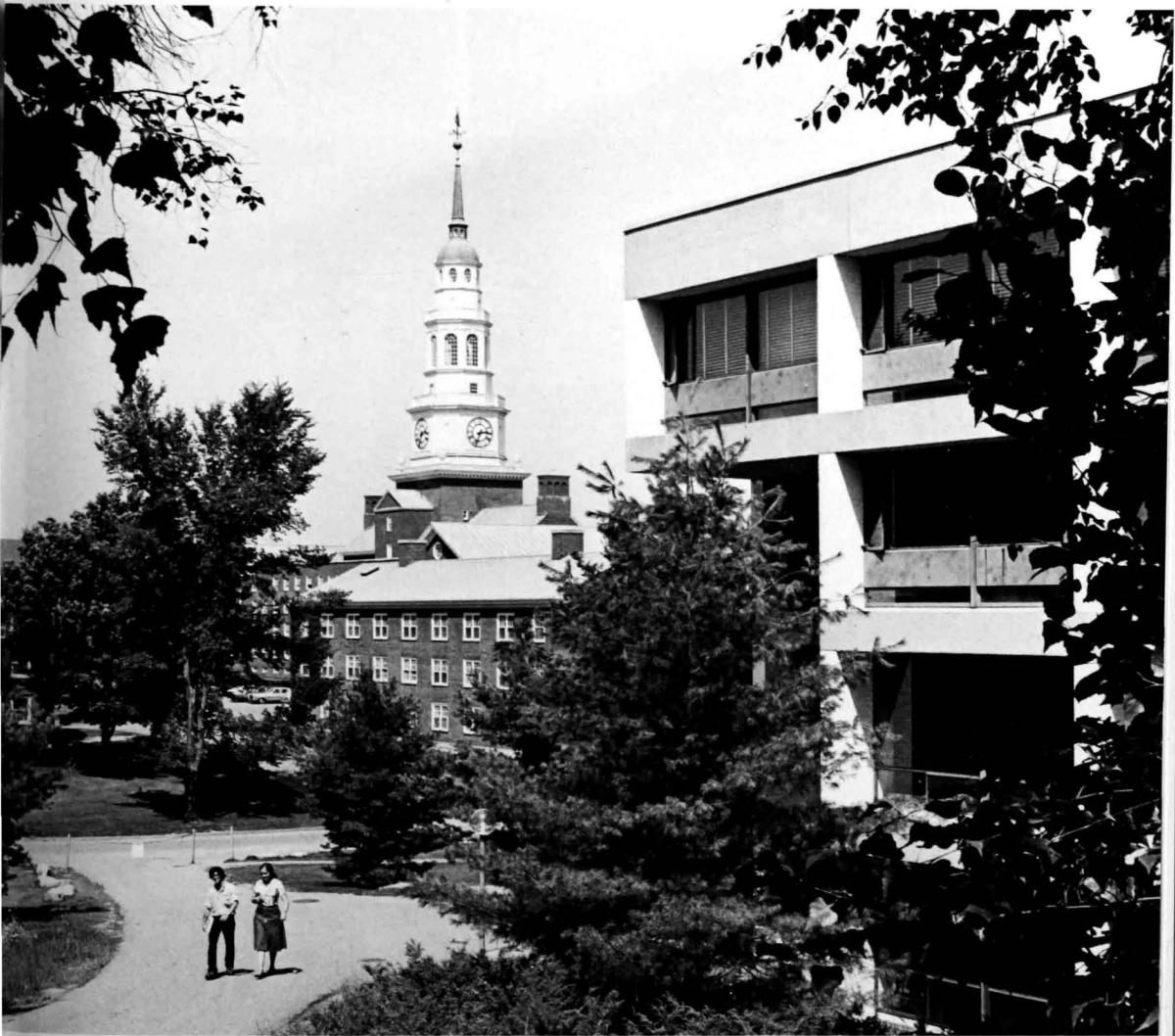
Students and alumni may have official transcripts mailed to other institutions, prospective employers, or other designated







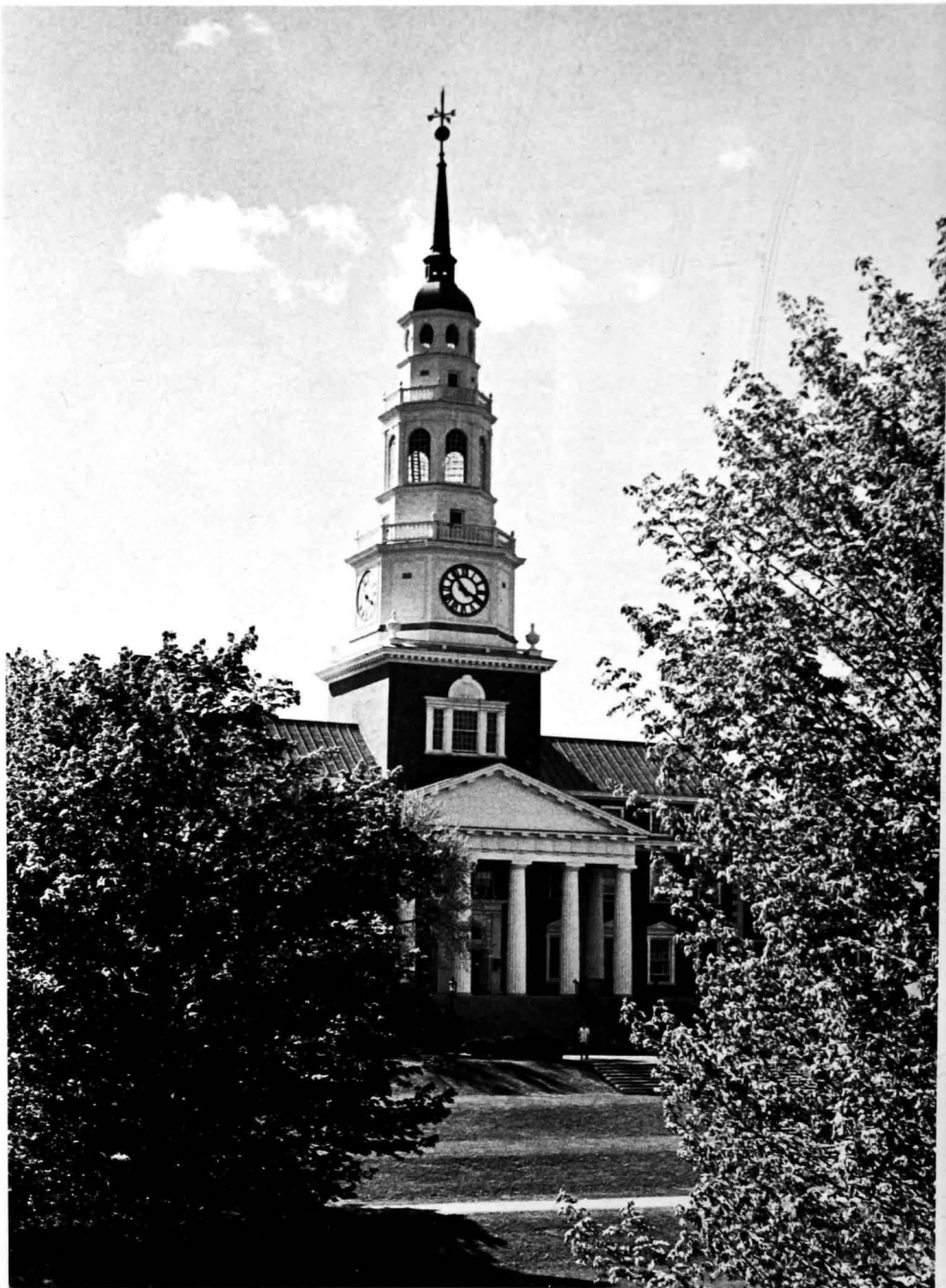
*Lorimer Chapel*



*Championship meet, Fieldhouse*







*Miller Library*

*Museum of Art*



*Across Johnson Pond*





recipients only by requesting them in writing; a transcript request form is available at the registrar's office. The fee for this service is \$1 per transcript after the first. Only courses taken at Colby are listed.

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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.

(4) Credits earned in summer school or while on leave of absence 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.

(5) 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 or by the American College Testing Program.

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 \$30 accompanies each application.

(2) Colby grants early decision to well-qualified candidates who have made the college their first choice. Applicants submit application forms and required standardized tests (see section on TESTS) 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 1. 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.

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.

## INTERVIEWS

Interviews, though not required, are available on campus from May 1 to January 31. Appointments may be scheduled between 9:00 a.m. and 4:00 p.m. on weekdays, and on Saturday mornings from mid-September through January. Group information sessions are also available on these Saturday mornings.

Interviews with alumni can be arranged for students who are unable to visit the campus and would like some additional personal contact and information about the college.

## CAMPUS VISITS

A visit is encouraged. Guides are normally available at the admissions office weekdays, and tours are also possible on Saturday and Sunday afternoons when arrangements are made in advance. A list of motels near the campus is available from the admissions office.

High school seniors who wish to spend a night on campus may do so through the Colby Host Program. This operates throughout the academic year, with the exception of examination and vacation periods. Requests for accommodations through the host program should be directed, in writing, to the admissions office at least two weeks prior to the visits. Accommodations are limited to one night.

For those driving, Colby is reached from the Maine Turnpike and I-95; Waterville is served by Greyhound Bus, Air New England, and Bar Harbor Airlines.

## TESTS

Colby requires either the CEEB Scholastic Aptitude Test (SAT) and three achievement tests—one of which should be English composition—or the ACT tests. CEEB SAT and achievement tests are preferred. A foreign language test is recommended for students seeking exemption from the language requirement. All required tests should be taken no later than January of the senior year. A request should be made by the applicant that test results be sent to Colby. Students taking the CEEB tests should

contact the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey 08540 (or P.O. Box 1025, Berkeley, California 94701, for those living in Montana, Wyoming, Colorado, New Mexico, or points farther west). Students taking ACT tests should make requests to P.O. Box 168, Iowa City, Iowa 52243.

#### 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.

#### 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.

#### 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.

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#### NONMATRICULATED STUDENTS

Application to enroll as a nonmatriculated student must be made to the dean of admissions, who has the responsibility for the admission of all students. Registration in individual courses requires the approval of the course instructor, and may be limited; matriculated students have priority in admission to courses with limited enrollments.

All persons seeking to take courses for credit must present evidence that they are qualified to pursue the intended courses, and must pay the established fee. A limited number of gifted Waterville area secondary students may be recommended by their schools to take a course for a nominal administrative charge. Adults from the Waterville area who are not degree candidates may qualify to take courses at one half the usual fee.

Persons wishing to enroll as auditing students must also apply to the dean of admissions, and are referred to the section on AUDITING COURSES elsewhere in this catalogue.

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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 are/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

From the time of admission until they arrive on campus, new students are invited to make use of a “hot line” to the college to get answers to any questions they may have. An on-campus orientation program for freshmen and other new students is held just before the beginning of each new semester. The program includes an introduction to the intellectual and social life of the college, meetings with faculty and staff advisers, and placement examinations. Prior to the orientation, freshmen may participate in COOT (Colby Outdoor Orientation Trips), conducted by upperclassmen and faculty members. The number of places is sometimes limited.

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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 the sequence of mathematics courses.

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## PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1981-82 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.

# Student Charges

ANNUAL BASIC CHARGES	<i>Sem. I</i>	<i>Sem. II</i>	<i>Total</i>
1981-82			
Tuition	\$3,105	\$3,105	\$6,210
Board	680	680	1,360
Room	595	595	1,190
General Fee	330		330
	<hr/>	<hr/>	<hr/>
	\$4,710	\$4,380	\$9,090

CALENDAR OF PAYMENTS	<i>Upon acceptance for admission</i>		
1981-82		Admission deposit—freshmen	\$ 200
	<i>June 15</i>	Attendance deposit for first semester—upperclassmen	\$ 200
SEMESTER I	<i>On or before August 15</i>	One half of annual basic charges for tuition, board, and room, plus the general fee for the year  (Note: Admission, attendance, and room deposits, if paid, may be deducted from this first semester payment.)	\$4,710
	<i>November 15</i>	First semester statement	
	<i>November 15</i>	Attendance deposit for second semester—all students	\$ 200
SEMESTER II	<i>On or before January 10</i>	One half of annual basic charges for tuition, board, and room  (Note: Second semester attendance deposit, if paid, may be deducted from this second semester payment.)	\$4,380
	<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.

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**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 June 15.

*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** Increases in costs may necessitate an adjustment in charges.

*Tuition:* The tuition charge is \$3,105 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 \$235 per credit hour. Nonmatriculating students will be charged at the rate of \$235 per credit hour.

*Board:* Board in college dining halls is charged at the rate of \$680 per semester. 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 \$595 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.

*General Fee:* The general fee (compulsory for all students) is \$330 for the year and is payable in full prior to the first semester in accordance with the calendar of payments. Included in the general fee is a sum allocated for the Student Association and such student organizations as it chooses to support. 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.

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

**MISCELLANEOUS CHARGES** *Chemistry Laboratory:* A fee of \$20 per course is charged to cover the cost of materials used in laboratory experiments.

*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 under the applied-music program are charged a fee of \$90 for a one-credit course and \$150 for a two-credit course.

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

*Flexible Fifteen:* Students engaged in off-campus projects for academic credit to be applied to the allowable fifteen credit hours of flexible credit are charged a \$100 administrative fee, unless they are simultaneously enrolled in a formal academic program.

*January Program:* Those January programs which require extensive travel, special materials, or highly specialized outside instruction each carry a fee that reflects the extraordinary costs of the individual program. These fees are published annually in the January program brochure.

*Colby in Caen:* In lieu of the regular charges for tuition, room,



board, and general fee, a fee of \$5,800 is charged to students participating in the Colby in Caen program. The program involves a year of study in France under the supervision of a Colby faculty member. Because of the nature of this program, it carries a set of deadlines, refund policies, and deposits separate from the rest of the academic programs offered by the college. Further details are available in the Colby in Caen brochure.

*Fines:* Fines are charged to students' accounts for violations of college regulations in the following areas: auto registration, parking, late return of library books, late registration for academic programs, checks returned as uncollectible, and disciplinary actions.

*Damage to or Loss of College Property in Dormitory Rooms:* Liability for damage to or loss of college property located within individual dormitory rooms lies with the resident(s) of the room. The dean of students requires all students living in college dormitories to enter into a room contract covering this liability. Students are billed at the time that they move out of the room for any damage to or loss of college property which occurred within that room.

*Damage to or Loss of College Property in Dormitory Common Areas:* When damage to or loss of college property occurs in dormitory common areas (lounges, hallways, lobbies, bathrooms, etc.), the dean of students makes every effort to identify the individuals responsible and to bill them immediately. In cases where the dean determines that responsibility lies with the residents of a specific section of a dormitory, those students will be billed immediately. When the individuals responsible for damage to or loss of college property cannot be identified, the cost of repair or replacement is accumulated by dormitory. At the end of each semester, the dean of students, in cooperation with the buildings and grounds department, determines the cost of all unidentified damage to and loss of college property and bills it to the residents of each dormitory on a pro rata basis.

*Other Damage to or Loss of College Property:* Any student found to be responsible for damage to or loss of college property will be billed for the cost of the damage or loss. In addition, the individual will be subject to disciplinary action, including possible suspension or expulsion.

## PAYMENT OF BILLS

Tuition, board, room, 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. Students 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 Beacon Street, Boston, Massachusetts 02108, and Academic Management Services, Inc., P.O. Box 1000, Pawtucket, Rhode Island 02860.

Students and parents must deal directly with the business office concerning college bills. No other officer of the college has responsibility for their collection.

## 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 week of classes . . . . .	60% charged
During sixth week of classes . . . . .	80% charged
Thereafter . . . . .	100% charged

A pro rata 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 federally funded programs, if any, to the extent allowable under refund regulations pertinent to those programs, (2) from payments made by the student or the student's parents, (3) from outside scholarships, if any, (4) from Colby loans, if any, (5) from Colby financial aid, if any.

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.

A refund of raw food costs for the period of the January program is given to students who have completed the first semester with a board contract, and who do not live or eat on campus during the January program. Any attempt to eat or stay on campus during the January program will result in forfeiture of the refund. Refunds will be credited to student accounts at the beginning of the second semester.

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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, written requests for refund of credit balances will be honored promptly by the business office. Refunds will be made to either the student or to 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. Credit balances on the accounts of graduating seniors will be refunded automatically.

# Financial Aid

Financial aid is offered to students evidencing need as well as academic and personal promise. In an effort to insure equal access and opportunity for those from all socioeconomic backgrounds, Colby awards annually over three million dollars in grants, loans, and campus employment to approximately 600 students, or thirty-six percent of the enrollment. The average award in 1981-82 is expected to be approximately \$4,150. In addition, Colby administers the full range of federal and state financial aid programs, including Pell Grants, Supplemental Grants (SEOG), National Direct Student Loans, College Work-Study, and Guaranteed Student Loans.

As a member institution of the College Scholarship Service (css), Princeton, New Jersey, Colby requires aid applicants to submit the Financial Aid Form to the css before February 1. An analysis of the form determines need within the context of the college's policy and the schedule of student fees.

Early decision applicants should request from the college before January 15 a special institutional application for financial aid.

Students seeking more detailed information may write for the pamphlet *Student Financial Aid at Colby College* or contact the director of financial aid.

# Campus Life

## 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 1980-81 exhibition schedule included *Dahlov Ipcar: An Exhibition of Paintings, Graphics, and Cloth Sculpture*, by this Maine artist who received an honorary doctorate from the college at its commencement in 1980; *Traditional Art of West Africa: Selections from the Victor DuBois Collection*, a distinguished collection of West African sculpture; *William and Marguerite Zorach: The Maine Years*; the annual *Student Arts Festival Exhibition*; *Faculty Exhibition: Paintings by Gina Werfel and Sculpture by Claudia Kraehling*; *Women's Quilts—Women's Lives: An Exhibition of Historic Maine Quilts*, organized by Susan Meyer as a senior scholar project; *Decade: Vinalhaven Suite*, autobiographical serigraphs by Robert Indiana; and a series of senior art exhibitions. 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 the Dunn Studio of the Performing Arts Center. Guest artists during the 1980-81 season were Phoebe Neville, contemporary dancer, and Dan Wagoner and Dancers, a contemporary dance company. Ms. Neville gave a one-day workshop of master classes and repertory. Wagoner and Dancers, sponsored by the Bates/Bowdoin/Colby Dance Alliance, were in residence for several days, offering master classes and lecture-demonstrations. Both visiting artists were supported by Colby Cultural Life.

In addition to a rigorous rehearsal schedule in preparation for their annual fall and spring concerts, the Colby Dancers participated in the Maine Dance Umbrella, sponsored and hosted by the University of Maine at Orono. College pieces were adjudicated by the American College Dance Festival Association, and subsequently the Colby Dancers were invited to perform in the New England Gala Concert held in Boston. Artistic director of the Colby Dancers is Christine Mitchell-Wentzel.

#### 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.

#### FRATERNITIES AND SORORITIES

There are chapters of ten fraternities and two 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 charter of Alpha Delta Phi, operated as a coeducational fraternity, was reactivated in the spring of 1980.

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.

#### INTERCOLLEGIATE ATHLETICS

Athletics for men include varsity teams in football, soccer, basketball, hockey, lacrosse, golf, baseball, tennis, cross-country, indoor and outdoor track, swimming, and squash. There are reserve varsity teams for men in football, soccer, basketball, and lacrosse. Rugby is a club sport.

Varsity teams for women are in field hockey, tennis, cross-country, soccer, swimming, ice hockey, basketball, squash, softball, lacrosse, and indoor and outdoor track. Women's reserve varsity teams compete in field hockey and lacrosse.

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, 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.

#### LECTURES

Throughout the year, outstanding scholars, musicians, and artists visit the campus. The Edmund S. Muskie Distinguished Visitor's Chair, established in 1981, brings to the campus for a period each semester the former U.S. Secretary of State and Senator from Maine to participate in seminars, classes, and lectures, as well as more informal meetings with students. The Winthrop H. Smith Visiting Scholars Program invites a speaker for two days to lecture, to talk in classes, and to meet 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 Samuel and Esther Lipman Lectureship is devoted to Jewish studies and contemporary Jewish thought. The annual lecture by the Grossman Professor of Economics concerns itself with current economic issues of significance. 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 1980-81 included the Dana-Bixler Convocation: Charles Bassett, professor of English, Colby, with Joseph Meyer '79 and Peter Schmidt-Fellner '78; Lovejoy Convocation: Roger Tatarian, United Press International; Phi Beta Kappa Visiting Scholar: Howard Hibbard, chairman of art history and archaeology, Columbia University; Clara M. Southworth Lecture: Patricia Johanson, environmental artist; Grossman Lecture: Jan Hogendorn, The Grossman Professor of Economics, Colby; The Samuel and Esther Lipman Lecture: Nathan Glazer, professor of education and social structure, Harvard University; Franklin J. Matchette Lectures: Reginald E. Allen, professor of philosophy, Northwestern University, and Ernan McMullin, professor of philosophy, University of Notre Dame; Gannett lecturers were Russel Nye, professor of English, Michigan State University, and Bernard Gert, professor of philosophy, Dartmouth College; Strider Lecture: Victor Tomseth, former hostage in Iran.

Other lecturers included Robert C. Holland, president, Committee for Economic Development; Peter Densen '66, M.D., Department of Infectious Disease, Boston University Medical Center; George Elison, professor of history, Indiana University; John Alexander, corporate actuary, Connecticut Mutual Life Insurance Company; Charles Long, professor of religion, University of North Carolina, Chapel Hill; Paul Schwaber, professor, College of Letters, Wesleyan University; Reginald Kearney, assistant professor of history, Morgan State University; C. Stewart Doty, professor of history, University of



Maine, Orono; Earle Shettleworth, director, Maine Historic Preservation Commission; David Brady, professor of political science, University of Houston; Henry Barber, mountain climber; Claude Brown, author; Ronnie Friedman, rabbi, Jewish Chautauqua lecturer; Neil Rolde, Democratic state representative from York; Patricia O'Connell, consultant for exceptional children, Maine State Department of Education; Annette Kolodny, American and women's studies scholar; Joseph B. Howe, vice-president of RCA Government Communications Systems; Michael Bavly, Israeli Consul General, Boston; Emile Snyder, professor of French, African studies, and comparative literature, Indiana University; Jozef Kwatko, professor, University of Warsaw, Poland; Bryan Wolf, director, undergraduate studies and American studies, Yale; Tom Gordon, executive director, Cobbossee Watershed District; Hubert S. Liang, professor of English, University of Nanking, People's Republic of China; Peter Ash, professor, University of Massachusetts, Boston; David Titus, professor of political science, Wesleyan University; Wendy D. O'Flaherty, professor of history of religions and Indian studies, the Divinity School, University of Chicago; John Murphy, professor of history, University College, Cork, Ireland; Joshua Rubenstein, coordinator for the New England Region of Amnesty International; Roberta Jacobs, professor of history, Wellesley College; Rev. Harry Otaguru, Wayland, Massachusetts; John Langlois, associate professor of Chinese history, Bowdoin College; Dieter Tietz, second secretary of the Embassy of the German Democratic Republic; Walter C. McCrone, McCrone Associates, Inc., Chicago; Pieter Emmer, economic historian, University of Lieden, Netherlands; Yigael Shiloh, professor of archaeology, Hebrew University, Jerusalem; Colin Lawson, University of Bath, and the Russian Research Center, Harvard; Janet Mills, District Attorney, Portland; Lorna Sass, historical cookery expert and author; W. Unertl, professor of physics, University of Maine, Orono; Qaiser Khan '77, World Bank; Linda Fagenholz '68, M.D., St. Vincent's Hospital, Erie, Pennsylvania; John Kusiak '69, Ph.D., National Institutes of Health, Baltimore; Kenneth Rosen, professor, University of Maine, Orono; Richard Hill, mechanical engineer, University of Maine, Orono; Naomi Griffiths, professor of history and

dean of the arts division, Carleton University, Ottawa; Robert Tamarin, professor of biology, Boston University; Robert Martin, dean of division of science and mathematics, University of Maine, Farmington; Harold Dowse, department of zoology, University of Maine, Orono; Bruce Balick, assistant professor of astronomy, University of Washington; William Giessen, chemistry department, Northeastern University; Bruce Dorr, New England Regional Primate Research Center, Harvard Medical School; Jean Kilbourne, assistant director, New England Screen Education Association; Ted Flanagan, chemistry department, University of Vermont, Montpelier; Guenter Rose, department of psychology, Bowdoin College; Peter Uden, chemistry department, University of Massachusetts; Karen Gustafson '77, Stewardship Director, the Nature Conservancy, Brunswick; Spencer J. Berry, professor and chairman of biology department, Wesleyan University; Jim Potter, reader in economic history, London School of Economics.

Poets and fiction readers were Gregory Orr, David Bain, Arturo Vivante, Toni Cade Bambara, Larry Levis, Marcia Southwick, Ira Sadoff, Ambrose Clancy.

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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 an electronic music center. 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, LoComotion (the Colby Jazz Band), and the Lorimer Chapel Choir, all under faculty direction. There are also informal student groups: the Colby Eight, the Colbyettes, the Colby Early Music Group, among others.

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Music Associates, a college-community group, which arranges the

Colby Music Series and contributes to musical life on the campus. In 1980-81 the series included performances by Fernando Valenti, harpsichordist; the GBH Boston Artists Ensemble; and the Apple Hill Chamber Players. The 1981 Strider Concert was presented by the Laurentian String Quartet.

Among other programs were concerts by the U.S. Air Force Band and the Singing Sergeants; guitarist Mark Leighton; folksingers Bill Staines, Bob Zentz and Gordon Bok, Peter Garrett and Dave Westerman, Lee Bryant; the Blues Prophets; the James Cotton Band; Back Porch Blues Band.

Soloists for the Colby Community Symphony Orchestra concerts were Yuli Turovsky, cellist, and Adrian Lo, violinist. The Sunday Chapel Vesper Concerts offered recitals on the Walcker organ in Lorimer Chapel by the college organist and visiting artists, and programs of chamber music, including sopranos Judith Cornell and Miriam Barndt-Webb; Elizabeth Sollenberger, organist; and Daniel Pinkham, visiting composer. Concerts were given by college musical organizations, faculty, and students at Friday Noonday Recitals and on other occasions.

#### 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, dance, and music. The Strider Theater, the Dunn Dance Studio, and a small cellar-theater space serve as laboratories for the arts and as performance centers.

The Strider Theater has a flexible 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 and with faculty supervision, productions are presented. The 1980-81 season offered the musical *Philemon*, a quartet of plays by W. B. Yeats, *Macbeth*, and the farce *The Italian Straw Hat*.

The student-directed drama club, Powder and Wig, presents a variety of productions. In 1980-81 these included *Moon Children*, *West Side Story*, *Agamemnon* (Aeschylus), *Musical Review*, and a one-act festival of eight plays by various playwrights, including *It's Called a Sugarplum*, *Poor Aubrey*, *Santa Claus—A Morality*, *The Indian Wants the Bronx*, *God, X = 0*, *The Apple Tree*,

and *Lou Gehrig Did Not Die of Cancer*. *6 Rms Riv Vu* was produced in conjunction with the Student Arts Festival. The senior class presentation was *Arsenic and Old Lace*.

#### RADIO COLBY

WMHB-FM is a student-operated station with a Class D noncommercial license from the Federal Communications Commission. With studios in Roberts Union, the station broadcasts throughout the day and evening during the academic year.

#### 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 an all-college interdenominational worship service is conducted in the chapel. Students, through the chapel service committee, assist the chaplain in planning and conducting these services. Music for this service and for special concerts is performed by students of the chapel choir under the leadership of Adel Heinrich, associate professor of music.

#### STUDENT ORGANIZATIONS

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

Service organizations are the Big Brother/Big Sister program, Colby Friends, and Student Primary Emergency Care System (SPECs).

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

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

Music organizations are LoComotion (the Colby Jazz Band), Colby Eight, Colbyettes, Colby Community Symphony Orchestra, Glee Club, Lorimer Chapel Choir, and the Messalonskee Folk Music & 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. Also, 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.

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

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#### 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. Students retain the right to organize their own personal lives and behavior within the standards agreed upon by the college community, so long as they do not interfere with the rights of others or with the educational process.

Colby is committed to maintaining a community in which persons of all ethnic groups, religious affiliations, and nationalities are welcome. The college will not tolerate racism, harassment, or intimidation of any kind; any student found guilty of such actions or of interfering with these goals will be subject to civil prosecution as well as suspension or expulsion from Colby.

The college has always encouraged temperance in the use of alcoholic beverages. Violation of federal or state laws concerning alcohol and drugs is not condoned. The State of Maine forbids possession of alcoholic beverages by any person under the age of twenty. When drinking or drug use leads to disruptive behavior, a student faces sanctions. Violations may result in dismissal.

The college does not stand in loco parentis for its students, nor is the campus to be considered a sanctuary from civil law. Students guilty of misconduct off campus are subject to Colby sanctions.

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#### 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

Special diet needs may be requested through the college physician. A meatless entrée is provided at each meal.

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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.

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: nineteen college residences (most of them coeducational) and eight fraternity houses. Some dormitory sections have a faculty member or faculty family in residence. All freshmen not living at home or with relatives are required to live in college housing as assigned by the dean of students office. 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.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions.

2. It is essential to ensure that all entries are supported by appropriate documentation.

3. The second part of the document outlines the various methods used to collect and analyze data.

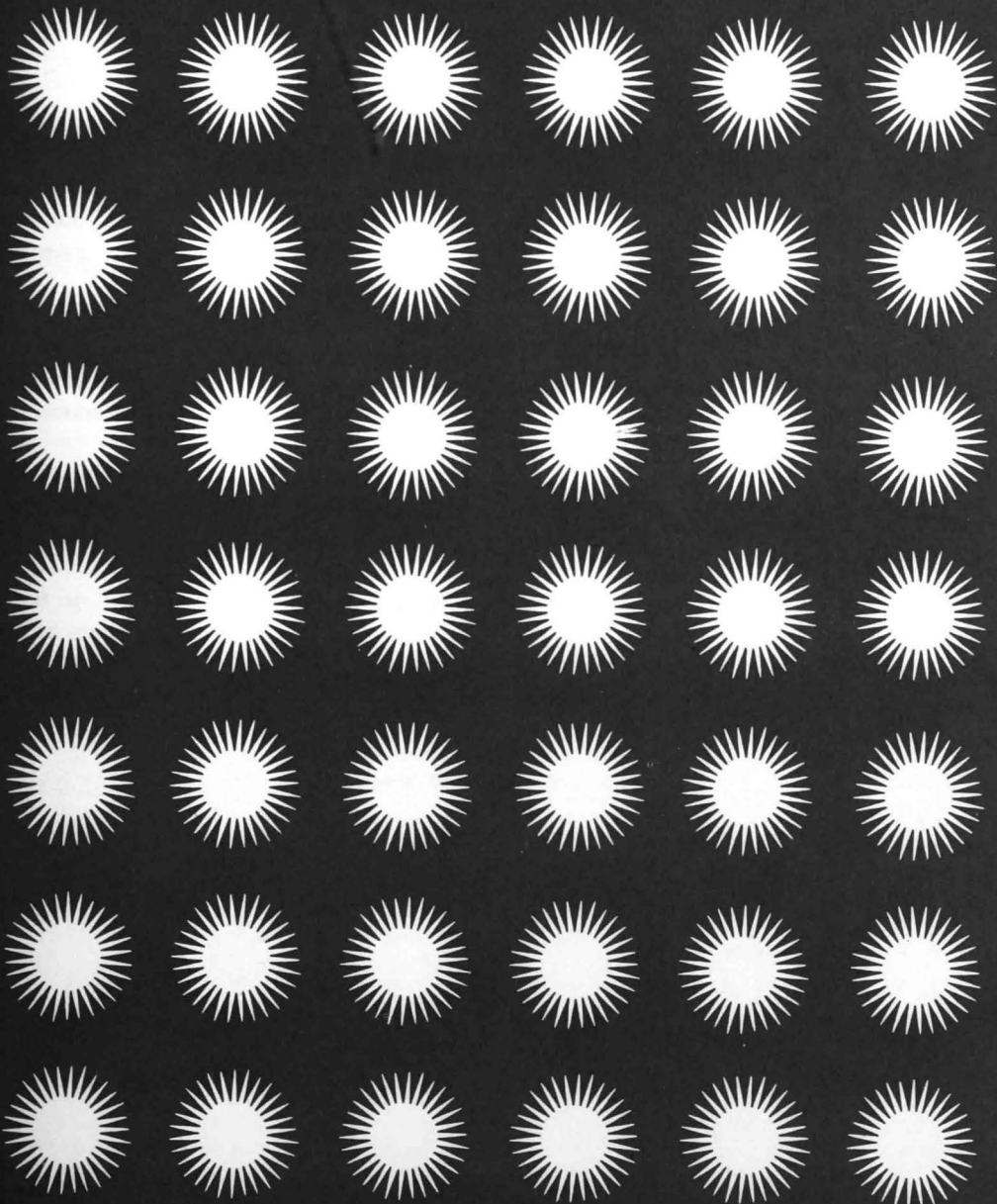
4. These methods include both qualitative and quantitative approaches.

5. The final part of the document provides a summary of the findings and conclusions.

6. It is hoped that this document will provide a useful reference for all concerned.

# II

# Divisions, Departments, and Courses of Study



## II DIVISIONS, DEPARTMENTS, AND COURSES OF STUDY

### 63 DIVISIONS, DEPARTMENTS

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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, 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 1981-82 are listed.

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## Division of Humanities

*Chairman*, PROFESSOR MIZNER

### 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 152; 111 or 211; 331, 332; 491 or 492.

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*, ASSOCIATE PROFESSOR SIMON

*Professor W. Miller; Associate Professors Matthews and Simon; Assistant Professors M. Miller<sup>1</sup> and Werfel.*

*Requirements for the major in art:*

Art 121, 122, 161; at least nine credit hours chosen from 271, 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.

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.

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### CLASSICS

*Chairman*, PROFESSOR D. KOONCE

*Professors Westervelt and D. Koonce; Taylor Lecturer Sullivan.*

*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.

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 BRANCACCIO

*Professors Benbow, Sutherland, Archibald, Curran, MacKay, Brancaccio, C. W. Bassett, H. Koonce, and Mizner; Associate Professors Sweney, E. Kenney<sup>1</sup>, and I. Sadoff<sup>2</sup>; Assistant Professors S. Kenney<sup>3</sup>, P. Harris, Mannocchi, McDowell, and Bauer; Lecturers Onion<sup>3</sup>, Sanborn<sup>3</sup>, Sewell, 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.

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 first semester.

<sup>2</sup>On leave full year.

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

## MODERN FOREIGN LANGUAGES

*Chairman*, PROFESSOR HOLLAND

*Professors Bundy, Holland, Cauz, and Filosof; Associate Professors Kueter, Ferguson<sup>1</sup>, P. Doel, Weiss, and McIntyre; Assistant Professors Greenspan<sup>2</sup>, F.*

*Miller, So, Reynolds, Bertrand-Guy, J. Moss, Perez-Pineda, and Westlie; Instructor Krugh; Lecturers Nelson<sup>3</sup> and Strong<sup>3</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 must take at least one course in the major, approved by the major adviser, each semester until graduation. For students returning from foreign study, these courses must be numbered 300 or higher.
- (5) Courses numbered 499 may not be counted toward the major.

*Requirements for the major in French:*

French 221, 222, 231 to be taken normally in the sophomore year, and at least five additional courses numbered above 222. Of these, at least two must focus on literature written prior to the nineteenth century, and two on literature of the nineteenth and twentieth centuries. Students who begin their study of French at Colby with French 123 may substitute French 141, 142 for French 221, 222.

The attention of French majors is called to the Colby in Caen program, as well as to interdisciplinary programs in performing arts, Western civilization, and regional and Canadian studies.

*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 124.

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 first semester.

<sup>2</sup>Resident director, University of Caen, full year.

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

#### MUSIC

*Chairman*, PROFESSOR RÉ

*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 and, effective with the class of 1984, 272; 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.

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*, ASSOCIATE PROFESSOR MEEHAN

#### 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, 353 or 372, 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.

None of the above courses may be taken pass/fail.

*Requirements for the major in economics-mathematics:*

In economics: 131, 132, 233, 234, 391, 394, and three additional semester courses, two of which must be 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.

*Requirements for the major in philosophy-mathematics.*

In philosophy: 152 and either 111 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 study project in mathematics or philosophy, of at least three credit hours, must be taken in January or one of the semesters.

*Requirements for the major in psychology-mathematics:*

In psychology: 111, 371, 479, 494, 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.

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.

## ADMINISTRATIVE SCIENCE

*Chairman, PROFESSOR KNIGHT*

*Professors Knight and W. Zukowski; Assistant Professors Richards, Gautschi, and Bubar.*

*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, or a combination, of the latter two course sequences is required, it is recommended that both be completed); and two semester courses selected from any of the following: additional courses in administrative science; Mathematics 241, 242, 243, 244; Economics 233, 234. No administrative science or collateral course for the major may be taken pass/fail.

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.

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.

## ECONOMICS

*Chairman*, PROFESSOR GEMERY

*Professors Hogendorf and Gemery; Associate Professors Meehan and Tietenberg; Assistant Professors Payson<sup>1</sup> and R. Christiansen; Instructors G. Christiansen, Behr, and McCormick.*

*Requirements for the major in economics:*

Economics 131, 132, and 30 additional credit hours in economics, including Economics 233, 234, 391, and one of the following: 431, 493, 494. At least 10 credit hours must be in courses numbered 300 or higher. 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.

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, to the interdisciplinary program in public policy, and to the honors program (see description under Economics 491, 492).

<sup>1</sup>Part-time first semester only.

## EDUCATION

*Chairman*, PROFESSOR JACOBSON

*Professor Jacobson<sup>1</sup>; Assistant Professor M. Maurinac<sup>2</sup>.*

Colby offers an interdepartmental program of courses and field experiences approved by the Interstate Certification Project to meet 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 or January program or 254; Psychology 255, 256. *Junior year:* Philosophy 333; Education 336, Education 353, or January program, or 354. *Senior year:* Education 431, 432, 433, and full-time teaching during January. (English 411 or Modern Foreign Languages 411 is required of students who desire to teach those subjects.)

Career guidance and counseling services are available from Professor Jacobson.

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

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

<sup>2</sup>Part-time.

## GOVERNMENT

*Chairman,* PROFESSOR A. MAVRINAC

*Professors A. Mavrinac, Weissberg, and Cotter<sup>1</sup>; Associate Professor Maisel; Assistant Professors Hauss<sup>2</sup>, Bowen<sup>3</sup>, and Mackenzie; Lecturer Allen<sup>4</sup>.*

*Requirements for the major in government:*

Ten semester courses in government, to include at least one at the 400 level, and normally including Government 111 and 112. These courses must be distributed over the four fields of the department's work according to specific rules established by the department and available from the department chairman. The passing of a comprehensive examination has normally been a part of the requirement for graduation as a major in government.

Majors in government may apply during their junior year for selection for admission to the department honors program. On successful completion of the work of the honors program and of the major, their graduation from the college will be noted as being "With Honors in Government."

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.

Attention is called to the interdisciplinary program in public policy.

<sup>1</sup>Part-time first semester only.

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

<sup>3</sup>On leave second semester.

<sup>4</sup>January and second semester only.

## HISTORY

*Chairman,* PROFESSOR RAYMOND

*Professors Gillum<sup>1</sup>, Raymond, and Berschneider; Assistant Professors Feigon, R. Moss, Weisbrot, Bernard<sup>2</sup>, Hunter<sup>3</sup>, M. Mavrinac<sup>4</sup>, and Okwu; Lecturer Cocks<sup>4</sup>.*

*Requirements for the major in history:*

Twelve semester courses in history, to include at least two courses in each of three major fields: United States history, European (including English) history, and non-Western history. At least one of the courses in each of the three fields should be at the 200 level or higher. Two of the 12 courses counting toward the major may be selected from courses in ancient history; American Studies 274; German 223, 224; Government 237, 254, 271, 273, 274, 314, 332, 351, 356, 357, 416; Russian 223, 224; and Economics 272, 274.

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.

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

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

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

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

## PHILOSOPHY AND RELIGION

*Chairman, PROFESSOR HUDSON*

*Professors R. Reuman, Todrank, F. Parker, and Hudson; Associate Professors McArthur and Longstaff; Assistant Professor King; Ziskind Lecturer Elman.*

*Requirements for the major in philosophy:*

Philosophy 152, 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 233, 234, 311, 312, 316. Philosophy 152, 211, 331, 332, 372, 373.

*Requirements for the major in religion:*

Religion 121, 122, 233, 234, 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 study project (philosophy or religion) must be taken in January or one of the semesters, in addition to the requirements specified above.

A maximum of two courses, not to include any specifically prescribed courses, may be taken on a pass/fail basis in partial fulfillment

of the requirements for the above majors. 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.

#### PSYCHOLOGY

*Chairman*, PROFESSOR ROHRMAN

*Professors Perez and Rohrman; Associate Professors Zohner and Lester; Assistant Professors Skowbo<sup>1</sup> and Yeterian.*

*Requirements for the major in psychology:*

Psychology 111, 214, 215, 479, 494, and 20 additional hours in psychology, to include three courses selected from 231, 232, 236, 238, 272, 273, 371, 372, 373, and three courses selected from 251, 253, 254, 255, 256, 274, 352, 354, and any two biology courses approved by the psychology department.

At least one January program is required to be taken in the major.

Seniors must submit a score on the Psychology Advanced Test of the Graduate Record Examination.

No grade lower than C- may be counted toward the major.

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 human development.

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

#### SOCIOLOGY

*Chairman*, ASSOCIATE PROFESSOR ROSENTHAL

*Professor Geib; Associate Professors Rosenthal and Morrione; Assistant Professors R. Doel, Rose<sup>1</sup>, Edwards, and Modell.*

*Requirements for the major in sociology:*

Sociology 121, 122, 271, and 24 additional hours in sociology, including Sociology 311 and either 313 or 318; any combination of 12 hours selected from history, government, psychology, and economics. Sociology 271 should be taken before the end of the sophomore year. 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.

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

## Division of Natural Sciences

*Chairman*, ASSOCIATE PROFESSOR CHAMPLIN

### 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 (or 312); six additional credit hours numbered 200 or higher. The geology department's Bermuda Semester may be elected by geology-biology majors.

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.

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.

### BIOLOGY

*Chairman*, PROFESSOR BENNETT

*Professors Terry<sup>1</sup> and Bennett; Associate Professors Easton, Fowles<sup>2</sup>, and Champlin; Assistant Professors Firmage<sup>3</sup>, Cole, Labov, and Hileman.*

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 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 or Economics 231; biology, 32 hours, including 121, 122, 271, 272, 301, 302, 352, 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 493 or Geology 393, 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.

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

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

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

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## CHEMISTRY

*Chairman, PROFESSOR MACHEMER*

*Professors Machemer and Dorain<sup>1</sup>; Associate Professors Maier<sup>2</sup> and Smith<sup>2</sup>; Visiting Associate Professor Tulp; Assistant Professors Shattuck and Newton.*

The department offers several major programs: (1) the basic major, (2)



the ACS major (accredited by the American Chemical Society), (3) the major in chemistry-biochemistry, and (4) the major in chemistry-environmental sciences. Of these majors, the ACS major is focused more sharply toward graduate work in chemistry, while the other majors provide an opportunity for additional study outside the chemistry department. A student who successfully completes the ACS program receives official certification from the American Chemical Society. It should be noted that chemistry majors who intend to apply for admission to medical, dental, or veterinary schools must take a biology course with laboratory. All prospective majors should meet with the chairman as early as possible in order to plan their full chemistry programs.

*Requirements for the basic major in chemistry:*

Chemistry 141, 142, 241, 242, 331, 341, 342; Mathematics 121, 122; Physics 121, 122.

*Requirements for the ACS major in chemistry:*

All courses required for the basic major, plus Chemistry 332, 411, and two semesters (six credit hours) of 400-level courses. Independent study may be counted as one of the two semesters.

*Requirements for the major in chemistry-biochemistry:*

Chemistry 141, 142; 241, 242; 312 or 341, 342; 467, 468; Mathematics 121, 122; Physics 121, 122; Biology 121, 122, 272, one additional course numbered 200 or higher.

*Requirements for the major in chemistry-environmental sciences:*

All courses required for the basic major, plus Chemistry 217, 483, 484; Economics 131, 132; Biology 121, 122 or Geology 141, 142.

One January program should be taken in the major.

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

A student who majors in chemistry is prepared to enter many professional or graduate schools, such as in medical sciences, biochemistry, law, environmental sciences, oceanography, pharmacology, forensic science, and other areas of concentration.

Seminars are held on Tuesday evenings; chemistry majors are expected to attend, and seniors are expected to participate. Summer employment in industrial or professional laboratories at the end of the junior year is encouraged.

Attention is called to the interdepartmental geology-chemistry major.

<sup>1</sup>Part-time second semester only.

<sup>2</sup>On leave full year.

## GEOLOGY

*Chairman*, PROFESSOR KOONS

*Professor Koons; Associate Professors H. Pestana and Allen; Assistant Professor Westerman*<sup>1</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. 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 (or 312), 323 or 371, 381, 382, 452; at least three hours of 491 or 492; one year of college mathematics; and Chemistry 141, 142.

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 (or 312), 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 (or 312), 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 (or 176), 241, 242, 292, 323, 324, 371; Mathematics 122, 242, 382; Physics 122; Economics 293, 294, 314.

*The Bermuda Semester.* Majors may earn 12 credit hours in field study of coral reefs and carbonate environments. Geology 176, 312, and 314 are offered biennially by Colby faculty using the facilities of the Bermuda Biological Station.

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 candidates 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>Part-time.

## MATHEMATICS

*Chairman*, PROFESSOR L. ZUKOWSKI

*Professor L. Zukowski; Associate Professors Small and Hayslett; Assistant Professors J. Goulet, G. Walker*<sup>1</sup>, *Hamilton, Skrien, C.H. Bassett*<sup>2</sup>, *and Hosack; Lecturer Solomon*<sup>3</sup>.

*Requirements for the major in mathematics:*

Mathematics 121, 122, 221, 222, 361, 362, 401, 402, 433, 434, and 12

additional hours in mathematics selected from the following: 311, 312, 315, 332, 352, 372, 381, 382.

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>On leave full year.

<sup>2</sup>Part-time.

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

#### PHYSICS AND ASTRONOMY

*Chairman, ASSOCIATE PROFESSOR METZ*

*Associate Professors Dudley and Metz; Assistant Professor Campbell.*

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, engineering, and some areas of computer science. 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 a physics-related science or engineering should plan to elect at least 12 additional hours of physics, including 152, 331, 333, and six additional hours of mathematics, including 311. For students planning graduate work in physics or astron-

omy, attention is drawn particularly to Physics 322, 332, 441, and 442. Mathematics 121, 122 should be taken during the freshman year. It is recommended that Chemistry 141, 142 be taken during the sophomore year.

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

At least one independent study project is required to be completed 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.

## 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.

### AMERICAN STUDIES

*Director*, PROFESSOR C. W. BASSETT

*ADVISORY COMMITTEE*: Professors C. W. Bassett (*English*), Bernard (*History*), Brancaccio (*English*), Cocks (*Special Collections*), Geib (*Sociology*), Genery (*Economics*), Harris (*English*), Hudson (*Philosophy*), Hunter (*History*), Longstaff (*Religion*), Machlin (*Music*), Mackenzie (*Government*), Maisel (*Government*), Mannocchi (*English*), McDowell (*English*), W. Miller (*Art*), Morrione (*Sociology*), R. Moss (*History*), and Weisbrot (*History*); and five 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 (through the class of 1983)*: 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.

Senior majors are required to complete American Studies 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.

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 American studies (beginning with the class of 1984):*

Five courses, to include a senior seminar or independent study course, in American history, coordinated chronologically or thematically with the required courses in American literature, and including courses at the 200, 300, and 400 levels.

Five courses, to include a senior seminar or independent study course, in American literature, coordinated chronologically or thematically with the required courses in American history, and including courses at the 200, 300, and 400 levels.

*Note:* By the end of the sophomore year, majors are required to have completed History 123, 124 (Survey of United States History) and English 251 and 252 (Major American Writers I and II). Senior majors are required to complete American Studies 493 (Seminar in American Studies), which may be used to satisfy one of the senior seminar or independent study requirements in American history or American literature.

Additional courses with an American emphasis—coordinated with the approval of the major adviser according to chronology, theme, or method—to bring the total to at least 15 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.

Majors in American studies may apply during their junior year for selection for admission to the honors program. On successful completion of the work of the honors program and of the major, their graduation from the college will be noted as being “With Honors in American 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:*

- ADMINISTRATIVE SCIENCE: 354d1 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; 493 Seminar in American Studies.
- ANTHROPOLOGY: 211 American Indians; 311 Culture and Personality.
- 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 Introduction to 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: 294 Comparative History of Women's Education; 336 History of the American School.
- ENGLISH: 251 Major American Writers I; 252, 252j Major American Writers II; †[351] The American Renaissance I; \*352 The American Renaissance II; 353 American Realism and Naturalism; 355d2 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; 273 The American Congress; 274 The American Presidency; 314 American Constitutional Law; [316] American Political Thought; 317 The Policy-making Process; 319 Law and Social Change; 321, [322] Political Theory; 356 Parties and the Electoral Process; [359] Government and the Press; 375j The Committee System in the United States Congress; \*392 The Administrative Process; [393] State and Local Government; 412 Colloquium on Political Theory and Constitutional Law; 433, 434 Seminar in American National Government and Politics; [436] American Politics Seminar: Voting Behavior; 438 Seminar in Policy Analysis; 457 Foreign Policy of the United States; 491, 492 Independent Study.
- HISTORY: 123, 124 Survey of United States History; 215 America and

Asia: Attitudes and Relationships; [253] American Diplomatic History, 1775-1898; 257 The History of Women in America; 258 American Character and Culture; 277 Afro-American History: From Slavery to Freedom; [278] Afro-American History II; [311] Tutorial in History; 334 Crisis and Reform: The 1960's; \*353 American Culture and Society, 1865-1975; [354] American Intellectual History, 1865-1917; 372 The American Civil War; 373 American Political History, 1865-1929; 374 American Political History, 1929 to Present; †[376] America: The New World, 1607-1783; \*378 The United States: 1783-1860; [379] Black History III; 393 American Cultural History: 1600-1865; [394] Slavery and the American South: 1819-1857; 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; 274j Social Stratification; \*276 Men and Women in Society; †[318] Contemporary Theory; 351 Introduction to Anthropology; 352 Cultural Anthropology; 391d2 Social Change; [394] Collective Behavior; 491, 492 Independent Study.

#### BLACK STUDIES

*Director, PROFESSOR BRANCACCIO*

ADVISORY COMMITTEE: *Professors C. W. Bassett (English), Brancaccio (English), Gemery (Economics), McDowell (English), Okwu (Black Studies), Rosenthal (Sociology), Sweney (English), and Weisbrot (History); 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.

ANTHROPOLOGY: 131 African Peoples and Cultures South of the Sahara.

ENGLISH: 355d2 Black American Literature; †[436] African Prose.

HISTORY: 213 African History I; 214 African History II; 277 Afro-American History: From Slavery to Freedom; [278] Afro-American History II; 313 Apartheid and Race Relations in South Africa; [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.

#### EAST ASIAN STUDIES

*Director*, ASSISTANT PROFESSOR FEIGON

ADVISORY COMMITTEE: *Professors Bowen (Government), Elman (Philosophy), Feigon (History), and So (Modern Foreign Languages).*

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 in at least three different disciplines. 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:*

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

EAST ASIAN STUDIES: \*175 The Perception of the "Orient" in the West; \*176 Introduction to Japanese Thought; \*275 Natural Philosophy and the Precise Sciences in Traditional China; \*276 Philosophical Foundations of Modern Japanese Political Thought; 491, 492 Independent Study.



GOVERNMENT: 237 Political Development of Modern Japan; [254] Comparative Communism; 271 Asian Revolutionary Movements; 358 Contemporary Japanese Politics; 477 Seminar in East Asian 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: \*175 The Classical Tradition in Chinese Philosophy; \*176 Medieval and Early Modern Chinese Philosophy; †[356] Indian Thought; \*391, 392 Philosophy Seminar (when appropriate).

RELIGION: 211 Indian Religions; 212 East Asian Religions; 214d1 The Buddhist Tradition; 215j Zen Buddhism; \*216 The Hindu Tradition; 391, [392] Religion Seminar (when appropriate).

## ENVIRONMENTAL STUDIES

*Director*, ASSOCIATE PROFESSOR H. PESTANA

ADVISORY COMMITTEE: *Professors Bennett (Biology), Koons (Geology), Machemer (Chemistry), Metz (Physics), H. Pestana (Geology), and L. Zukowski (Mathematics).*

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

*Requirements for the major in environmental studies:*

In biology: one semester course selected from 138 or 271; 121 or 219; 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; 172 or 176 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.

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: 121 Introduction to Biology; †[138] Plant Biology; 219 Environmental Science; 271 Introduction to Ecology, Introduction to Evolution; 352 Ecological Theory.

CHEMISTRY: †[111] Studies in Environmental Biochemistry; †[112] Chemistry for Citizens; 141, 142 General Chemistry and Elementary Analysis.

GEOLOGY: 141, 142 Introduction to Geological Science; [161, 162] Problems in Geology; \*172 Oceanography; [292] Meteorology; 393j, [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] Taxonomy of Flowering Plants; 314d1 Plant Physiology; 316 Invertebrate Biology; 318 Microbiology; †[319] Biology of the Lower Plants; 333 Chordate Evolution; \*354 Marine Ecology; †[356] Inland Ecology; 358j, 358 Ecological Field Study; 375 Problems in Comparative Animal Physiology; 378 Animal Behavior.

CHEMISTRY: 241, 242 Organic Chemistry.

GEOLOGY: †[176] Oceanography; 232 Structural Geology; 233 Field Methods; 251 Invertebrate Paleontology; \*252 Micropaleontology; [254] Advanced Invertebrate Paleontology; 311 Sedimentation; †[312] Sedimentation and Carbonate Sediments; †[314] Field Study in Bermuda; \*323, 324 Map Interpretation and Geomorphology of the United States; 358 Geological Field Study.

MATHEMATICS: 242 Elementary Statistics; 382 Mathematical Statistics.

PHYSICS: 122 General Physics.

*Approved courses from the Division of Social Sciences:*

ADMINISTRATIVE SCIENCE: 354d1 Law; 413 Organizational Behavior.

ECONOMICS: 131d, 131j 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.

## PERFORMING ARTS

*Coordinator*, PROFESSOR H. KOONCE

ADVISORY COMMITTEE: *Professors Azzaretti (Performing Arts), H. Koonce (English), Machlin (Music), Mitchell-Wentzel (Performing Arts), Sewell (Performing Arts), and Woody (Performing Arts).*

The program in the performing arts enlarges existing patterns of aca-

democratic 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: 091j, 191, 192 Applied Music: Individual Study; 193, 194 Applied Music: Ensemble; †[278] Opera as Theater; †[378] Conducting; 491, 492 Independent Study in Music.

PERFORMING ARTS: 111d Theater Production; 132d1 Scene Design; 151j Dancers of the Avant Garde; 153j Drama in Performance; †[171] Acting I; 191, 192 Applied Dance; 193, 194 Applied Theater; 221, 222 Theater History; 231d2 Stage Lighting; \*241, 242 Introduction to the Art of Dance; †[251] Stage Movement; 272d1 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; †[135] Chansons and Lieder; [235] Chamber Music; [332] Studies in Operatic Style; \*376 Counterpoint.

SPANISH: †[351] El Siglo de Oro.

#### PUBLIC POLICY

*Director*, ASSISTANT PROFESSOR MACKENZIE; *Codirector*, ASSOCIATE PROFESSOR TIETENBERG

ADVISORY COMMITTEE: *Professors Mackenzie (Government), Meehan (Economics), Rose (Sociology), and Tietenberg (Economics).*

The public policy program is an interdisciplinary concentration that builds upon foundations of economics and government to enable students to engage in thoughtful and sophisticated analysis of important public policy issues. The public policy concentration, available in the economics and government majors, is designed to develop in Colby students the ability to apply the methodologies and accumulated knowledge of several disciplines to complex public problems through a combination of classroom, independent research, and work experiences.

The requirements of this program are shaped by its three substantive objectives: (1) to reveal the broad dimensions of important public

policy issues, the interests they crosscut, and the value conflicts they present; (2) to provide an understanding of the operations of the public-policy-making process in the United States—its political and economic dynamics, its biases, and the parameters it establishes for policy makers; (3) to provide the conceptual and analytical skills needed to conduct independent evaluations of proposed and existing public policies.

*Requirements for the concentration in public policy:*

It is anticipated that all requirements listed below will be completed before the beginning of the senior year.

(1) *Method courses*, to examine the major approaches to, and techniques for, the study of policy issues. The following courses are required.

ADMINISTRATIVE SCIENCE: 271 Introduction to Decision Making.

ECONOMICS: 233d Macroeconomic Theory or 234d Microeconomic Theory.

One of the following: GOVERNMENT [311] Introduction to Social Science Research or ECONOMICS 394 Econometrics or SOCIOLOGY 271 Introduction to Sociological Research Methods.

PHILOSOPHY: 211 Moral Philosophy.

(2) *Process courses*, to explore the processes by which public policies are designed, enacted, and implemented. Government 317 is required, and at least one course each in economics and government drawn from the following list.

ECONOMICS: 313 Topics in Law and Economics; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy.

GOVERNMENT: 273 The American Congress; 274 The American Presidency; 314 American Constitutional Law; [377] Special Problems in Local Government; \*392 The Administrative Process; [393] State and Local Government.

(3) *Practical applications*. During the junior year, each student will put together a comprehensive program of study of a selected policy issue. This program will consist of two courses from different departments, whose content bears directly on the issues selected, and an internship in some organization with an interest in, or responsibility for, policy making in the area of the student's substantive concentration. The internship may be undertaken during January, the summer, or an academic semester, and will culminate with a short research paper analyzing the issues to which the student was exposed.

During the senior year, a seminar in public policy analysis is required. This will be taught jointly by two faculty members from different departments, and will focus on independent, multidisciplinary student research.

REGIONAL AND CANADIAN  
STUDIES*Director*, ASSOCIATE PROFESSOR WEISSADVISORY COMMITTEE: *Professors C. W. Bassett (English), Bennett (Biology), Brancaccio (English), Koons (Geology), W. Miller (Art), Rosenthal (Sociology), Tietenberg (Economics), Weiss (Modern Foreign Languages).*

The regional and Canadian studies program fosters and encourages the comparative study of northern New England and eastern Canada (Québec and the Maritime Provinces). From its beginning in 1978, with the help of a grant from the National Endowment for the Humanities, the program has promoted increased awareness of the varieties of cultures, languages, and political systems that surround us in Maine. A lecture series brings speakers from Canada and New England; January programs offer students the opportunity to study in Canada and to do field work within the state. Colby works closely with the Canadian-American Center at the University of Maine, and students have full access to the center's resources. Colby students may, if they desire, spend a semester or an academic year at a Canadian university.

The program offers no major, but coordinates existing courses in regional studies and promotes new ones. Because of their experimental nature, many courses in regional and Canadian studies have been offered on a temporary basis; these include Comparative Canadian and American Literature, Canadian Art and Architecture, and The Franco-American Experience in New England. Students are advised to check the course-description list at registration time to see what new courses are being offered. Permanent courses in regional and Canadian studies include:

BIOLOGY: \*354 Marine Ecology; †[356] Inland Ecology.

ECONOMICS: 294 Urban and Regional Economics.

EDUCATION: \*294 Comparative History of Women's Education.

FRENCH: 235 Québec in Transition; †[351] French Canadian Literature.

GEOLOGY: \*324 Map Interpretation and Geomorphology of the United States; †[371] Glacial Geology.

## STUDIES IN HUMAN DEVELOPMENT

*Director*, PROFESSOR PARKERSTEERING COMMITTEE: *Professors Bennett (Biology), Morrione (Sociology), R. Reuman (Philosophy), and Rohrman (Psychology).*ADVISORY COMMITTEE: *Professors Easton (Biology), Geib (Sociology), Hudson (Philosophy), Jacobson (Education), F. Parker (Philosophy), Perez (Psychology), R. 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 en-

vironment; 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:*

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 study project in human development taken either in January or one of the semesters.

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.

#### STUDIES IN WESTERN CIVILIZATION

*Director*, PROFESSOR D. KOONCE

ADVISORY COMMITTEE: *Professors Berschneider (History), Bundy (Modern Foreign Languages), D. Koonce (Classics), H. Koonce (English), F. 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.

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

*Courses approved for the major:*

ANCIENT HISTORY: 151 Introduction to Greek Civilization; †[177, 178] Topics in Ancient History; \*252 Prehistoric Greece; †[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; \*358d1 Medieval Art.

CLASSICS: 133 Greek Myth and Literature; †[177] Topics in Classics; \*178 The Classics and English Poetry; †[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] Poetry of the Later Renaissance; †[333] Renaissance Drama; \*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] The Age of Chaucer; †[392] Sidney and Spenser; \*394 Milton; 432j, 432 History of the English Language; 493, 494 Seminar in English Literature (when appropriate).

FRENCH: †[223] French Civilization; †[335] Topics in Seventeenth-Century French Literature; 336d1 Eighteenth Century French Literature.

GERMAN: 223, 224 German Cultural Traditions.

GOVERNMENT: 321 Political Theory.

GREEK: all courses listed.

HISTORY: †[137] Medieval History, 476-1453; †[232] Renaissance and Reformation; \*335 A Constitutional and Legal History of Medieval

English; †[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: 233 Biblical Literature I; 234 Biblical Literature II; [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.

#### WOMEN'S STUDIES

*Coordinators*, ASSISTANT PROFESSORS MANNOCCHI AND M. MAVRINAC

ADVISORY COMMITTEE: *Professors Hunter (History), S. Kenney (English), Mannocchi (English), A. Mavrinac (Government), M. Mavrinac (Education, History), and McDowell (English).*

The women's studies program is devoted to analyzing the social, psychological, political, economic, historical, and artistic dimensions of women's experience, drawing on courses from a broad range of disciplines to reflect the complexities of women's lives. It encourages the development of new methods of analysis and the introduction of previously neglected fields of study with the goal of enriching the entire college curriculum.

*Courses focusing predominantly on women include:*

AMERICAN STUDIES: 274 Women's Studies: The Female Experience in America; 276 Black Culture in America.

EDUCATION: 294 Comparative History of Women's Education.

GOVERNMENT: 434 Seminar (The Role of Women in American Life).

HISTORY: \*297 The History of Women in America; 416 Seminar (The History of the American Family).

## Division of Physical Education and Athletics

*Chairman*, ASSISTANT PROFESSOR MCGEE

*Assistant Professor McGee; Adjunct Assistant Professors Covell, Nelson, Whitmore, Kopp, Wescott, DeLorenzo, M. Goulet, and Bell; Adjunct Instructors Ewell, Pluck, and Carson.*

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.



## PHYSICAL EDUCATION

*Coordinator*, ASSISTANT PROFESSOR MCGEE

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.

## INTRAMURALS

*Coordinator*, MR. DELORENZO

Programs in intramurals are on a coeducational basis; each student is free to engage in the activities of his/her 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.

## 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/her 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 Anesthesiology, Dermatology, Emergency Medicine, Epilepsy, Forensic Medicine, Hematology, Neurosurgery, Nuclear Medicine, Obstetrics-Gynecology, Oncology, Ophthalmology, Otolaryngology, Pediatrics, Pulmonary Disease, and Surgery are offered annually or biennially. 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, field hockey, 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 for conferences is coordinated through the division of special programs. This past year, some of the groups holding meetings on campus included the Maine Council for Community Education, Maine Spelling Bee, Maine Commission on Women, Maine State Bar Association, and the Central Maine Garden Club.

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:

000—open to freshmen (noncredit January courses);

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.

The letter *j* after a number indicates a course to be offered during the January term, 1981-82.

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 1981-82.

† A dagger indicates that the course will probably be offered in 1982-83.

• An asterisk indicates that the course will probably not be offered in 1982-83.

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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| <p>113j<br/>INTRODUCTION TO CYBERNETICS<br/>MR. RICHARDS</p>                                     | <p>The science of communication and control. Concepts to be studied include change, information, feedback, variety, regulation, structure, environment, survival, adaptation, stability, self-organization, intelligence, paradox, and self-reference. Applications to be studied range across all of human experience, and will depend on student interest. <i>Three credit hours.</i></p>  |
| <p>221e, 222<br/>ACCOUNTING<br/>MRS. KNIGHT AND MR. BUBAR</p>                                    | <p>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. <i>Three credit hours.</i></p>   |
| <p>271<br/>INTRODUCTION TO DECISION<br/>MAKING<br/>MR. RICHARDS</p>                              | <p>An examination of decision theory and modeling utilized in solving complex policy problems. Consideration is given to simulation, risk and cost-benefit analysis, and budgeting. A case approach is used to enable students to apply theory and then test and defend the applications. <i>Three or four credit hours.</i></p>   |
| <p>321, 322<br/>FINANCE<br/>MR. ZUKOWSKI</p>   | <p>An analytically structured approach to decision making in the financial area. Money and capital markets are considered.<br/><i>Prerequisite:</i> Administrative Science 221, 222 and Economics 131, 132 or special permission. <i>Three or four credit hours.</i></p>   |
| <p>333j, 333d2<br/>MARKETING<br/>MR. BUBAR</p>   | <p>Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally. <i>Four credit hours.</i></p>  |
| <p>334<br/>ADMINISTRATION OF PUBLIC<br/>AND SOCIAL SERVICE<br/>ORGANIZATIONS<br/>MRS. KNIGHT</p> | <p>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.<br/><i>Prerequisite:</i> Administrative Science 221, 222 or permission of the instructor. <i>Three credit hours.</i></p> |
| <p>341, 342<br/>ADVANCED ACCOUNTING<br/>MR. BUBAR</p>  | <p>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.<br/><i>Prerequisite:</i> Administrative Science 221, 222. <i>Three credit hours.</i></p>   |

353 MANAGERIAL ECONOMICS MR. BEHR	The decision-making process examined in an economic context. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 131, 132 or special permission. <i>Three credit hours.</i>
354d1 LAW MR. GAUTSCHI	The processes of law that underlie personal and institutional relationships. <i>Four credit hours.</i>
372 OPERATIONS RESEARCH MR. RICHARDS	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>Three or 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, 412j 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 MR. GAUTSCHI	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 FACULTY	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 FACULTY	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

MS. MANNOCCHI

A re-creation of the female experience in nineteenth- and twentieth-century America through an analysis of the primary documents of women's lives: letters, diaries, autobiographies, oral histories, and films by women filmmakers. In 1981-82, autobiographical writings by Emma Goldman, Gertrude Stein, and Sylvia Plath will be supplemented by primary source materials from the lives of lesser-known American women, culminating in a small-group production of an audiovisual document of the contemporary female experience in America. Open to men and women.

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

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276

### BLACK CULTURE IN AMERICA

MS. MCDOWELL

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.*

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491, 492

### INDEPENDENT STUDY FACULTY

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.*

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493

### SEMINAR IN AMERICAN STUDIES MR. BASSETT AND MR. MOSS

An interdisciplinary seminar incorporating theoretical approaches to the study of American thought and culture. Topic will change each semester. Fall 1981: "An Interdisciplinary Approach to the 1920's in America."

*Prerequisite:* Senior standing as American studies major. *Three or four credit hours.*

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### 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

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| 151<br>INTRODUCTION TO GREEK<br>CIVILIZATION<br>MRS. KOONCE | A survey of Greek culture from Homer to Plato, with special attention to the artistic developments that culminated in the Periclean age of Athens. <i>Three or four credit hours.</i>  |
| †[177, 178]<br>TOPICS IN ANCIENT HISTORY                    | The offerings vary depending upon the particular field of the Taylor Lecturer. Courses in recent years have included Greek Art and Archaeology, Greek and Roman Historiography, Greek and Roman Religion, as well as other specialized courses in Greek and Roman history and literature. <i>Three or four credit hours.</i> |
| *252<br>PREHISTORIC GREECE<br>MRS. KOONCE                   | The art and archaeology of Greece from the neolithic to the geometric periods, with emphasis on Minoan and Mycenaean culture. <i>Three or four credit hours.</i>   |
| †[254]<br>ROMAN HISTORY                                     | Topics in Roman history. Open to freshmen with permission of the instructor. <i>Three or four credit hours.</i>  |
| †[352]<br>ATHENS IN THE FIFTH CENTURY                       | The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens.<br><i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i>  |
| †[353]<br>GREECE IN THE FOURTH<br>CENTURY                   | The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources.<br><i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i>   |
| 491, 492<br>INDEPENDENT STUDY<br>FACULTY                    | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.<br><i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i>  |
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## Anthropology

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| 111<br>INTRODUCTION TO<br>ANTHROPOLOGY<br>MS. MODELL AND MR. DOEL | Historical background of anthropology, areas of specialization within the discipline, and concepts used by anthropologists in the study of nonliterate cultures. Also listed as Sociology 351. <i>Three credit hours.</i> |
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112 CULTURAL ANTHROPOLOGY MS. MODELL AND MR. DOEL	Special emphasis on the implications of the social and cultural experiences of nonliterate people for modern society through selected readings in anthropology. Also listed as Sociology 352. <i>Prerequisite:</i> Anthropology 111 or permission of the instructor. <i>Three credit hours.</i>
131 AFRICAN PEOPLES AND CULTURES SOUTH OF THE SAHARA MR. OKWU	An ethnological study of the cultures, social structures, indigenous institutions, patterns of economic behavior, ethics, political configurations of sub-Sahara Africa, and problems arising from culture contact with other civilizations. <i>Three credit hours.</i>
211 AMERICAN INDIANS MS. MODELL	The North American Indian, from an anthropological perspective, emphasizing changes in interactions between Indians and observers and other representatives of Western culture. As a colonized people, Indians have been examined by their colonizers in several competing and complementary ways. These ways of knowing will be discussed. Indians have asserted their independence and their own interpretation of their situation. This will form the other main emphasis of the course. <i>Three credit hours.</i>
311 CULTURE AND PERSONALITY MS. MODELL	The links between personality and culture. How individuals fit into a cultural setting yet achieve distinctiveness, how people learn to be what they are, the boundaries a culture puts around growing up, and the relationships between cultural rules and biological, psychological, and environmental constraints. <i>Prerequisite:</i> Two courses in any one or combination of the following departments: sociology, psychology, biology, or philosophy; or permission of the instructor. <i>Three credit hours.</i>

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## Art

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001j CRAFTS STAFF	One or more projects and crafts will be sponsored by the department and supervised by artisans not on the Colby faculty. Projects in the past have included pottery, weaving, photography, and ceramics. <i>Noncredit.</i>
002j INTRODUCTION TO FILMMAKING MRS. MILLER, SPONSOR	Each student will go through all stages of preparing and producing at least one narrative, experimental, or documentary film. Each will write scenarios and storyboards, learn about uses of the cameras, types of shots, editing, and sound. All will view films by other students and professional filmmakers, and show their own films in a special festival. <i>Noncredit.</i>

121, 122 INTRODUCTION TO ART MR. SIMON, MR. MILLER, AND MRS. MILLER	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. <i>Four credit hours.</i>
141, 142 DRAWING MS. MATTHEWS	First semester: an introduction to fundamentals of drawing. Second semester: further exploration of these fundamentals. Out-of-class drawing is stressed. Enrollment limited. <i>Three credit hours.</i>
151j DRAWING AND PAINTING MS. WERFEL	Elements of drawing and painting, involving two weeks on campus and two weeks in museums in New York City. <i>Three credit hours.</i>
153j ICONOGRAPHY MRS. MILLER	Christian religious representation in medieval art, including Biblical and liturgical subjects and legends of the saints. Differences in iconographic traditions in different periods and regions. Some classical mythology in medieval and Renaissance art. <i>Three credit hours.</i>
155j CALLIGRAPHY MR. MILLER	Instruction in writing a sixteenth-century italic script called Chancery Cursive. Instruction in and demonstration of calligraphy, individual coaching, lectures, and exhibitions on the history of scripts. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
161, 162 DESIGN MS. WERFEL	Exploration of design elements, including line, shape, value, texture, and composition. Introduction to color theory. Second semester stresses color and composition. Students must supply own materials; out-of-class work is essential. Enrollment limited. <i>Three credit hours.</i>
241, 242 BEGINNING PAINTING MS. WERFEL	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>
252 SURVEY OF WESTERN ARCHITECTURE MR. MILLER	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 nonmajors. <i>Three credit hours.</i>
261, 262 BEGINNING SCULPTURE MS. MATTHEWS	First semester: an introduction to form and ideas through the use of quick media. Second semester: continuation of first semester, stressing more traditional media. <i>Prerequisite:</i> Art 141 or 161 or permission of the instructor. <i>Three credit hours.</i>

271 AMERICAN ART MR. MILLER	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>
*311 ART OF ANCIENT GREECE MR. MILLER	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>
†[312] ART OF THE RENAISSANCE IN ITALY	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>
*314 BAROQUE ART MR. MILLER	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>
†[316] ART OF THE RENAISSANCE IN NORTHERN EUROPE	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>
†[317] EUROPEAN ART, 1780-1920	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>
341, 342 ADVANCED PAINTING MS. WERFEL	Emphasis on development of individual expression. Further exploration of still life, landscape, and the figure. 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>
†[352] THE GRAPHIC ARTS	History and criticism of drawing and printmaking, with emphasis on European art since the Renaissance. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>
†[356] TWENTIETH-CENTURY ART	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.

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

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\*358d1

MEDIEVAL ART

MR. SIMON

Architecture, sculpture, and painting in Europe from the dawn of Christian art in the third century to the construction of the great cathedrals in the thirteenth century.

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

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361, 362

ADVANCED SCULPTURE

MS. 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

FACULTY

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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494

SEMINAR IN ART HISTORY

MR. SIMON

Topics will change each spring and a complete description will be published before registration. *Three credit hours.*

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499d

ART TEACHING

FACULTY

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. CAMPBELL

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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- 095j  
HOSPITAL INTERNSHIP  
MR. TERRY
- Offered in cooperation with Mid-Maine Medical Center and the Waterville Osteopathic Hospital. Most students will spend an orientation week in one of the hospitals observing in various departments, after which a specific area will be observed more extensively. Designed primarily for juniors and seniors who have an interest in some aspect of the health professions.
- Prerequisite:* Selection by a committee including the sponsor and hospital coordinators. *Noncredit.*
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- 112  
HEREDITY AND EVOLUTION  
MR. TERRY
- An introduction to the basics of heredity and the scope, significance, and mechanisms of evolution. Lectures only. 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  
FACULTY
- 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. Lectures presented by several members of the biology faculty in their areas of specialization. Lecture and laboratory. *Four credit hours.*
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- 134j, 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. *Three credit hours.*
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- †[136]  
HORTICULTURE
- 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. Does not satisfy 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. Does not satisfy 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.*

212  
ASPECTS OF HUMAN  
PHYSIOLOGY  
MR. LABOV

An examination of the human organism and its functions. Topics to be studied will include the physiology of metabolism, integration of information via nerves and hormones, circulation, breathing mechanisms, reproduction, excretion, manipulation of the external and internal environment by muscles, and nutrition. History and methodology of human physiology as a science will be examined throughout the course. Some laboratory exercises will be included. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major.

*Prerequisite:* Biology 121. Enrollment limited. *Three credit hours.*

219  
ENVIRONMENTAL SCIENCE  
MR. COLE

Basic concepts in ecology are examined in detail at the population and ecosystem levels. The relevance of these concepts to current environmental problems is stressed. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

271  
INTRODUCTION TO ECOLOGY;  
INTRODUCTION TO EVOLUTION  
MR. FOWLES, MR. COLE, AND  
MR. HILEMAN

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

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

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.*

301, 302  
BIOLOGY SEMINAR  
FACULTY

Discussion of contemporary topics in biology. Choice of several topics. Nongraded.

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

†[311]  
TAXONOMY OF FLOWERING  
PLANTS

An introduction to the study of variation, evolution, and classification of flowering plants, and the techniques used by systematists in establishing relationships among plants. Identification of specimens that

characterize the major families of flowering plants represented in the local flora is stressed. Lecture and laboratory.

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

312  
VERTEBRATE BIOLOGY  
MR. COLE

Classification, distribution, and ecology of vertebrates. The adaptive strategies of animals to interactions with the environment, plants, and other animals will be considered. Vertebrates common to New England will be emphasized. Lecture and laboratory.

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

314d1  
PLANT PHYSIOLOGY  
MR. FOWLES

The essential mechanisms of plant functions. Lecture and laboratory.

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

†[315]  
CELLULAR PHYSIOLOGY

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.*

316  
INVERTEBRATE BIOLOGY  
MISS BENNETT

The morphology, physiology, and classification of the invertebrates. Lecture and laboratory.

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

317  
ANIMAL HISTOLOGY  
MR. EASTON

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.*

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.*

†[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 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. Cannot be counted toward the biology major. <i>Prerequisite:</i> Junior or senior standing in majors other than biology. <i>Four credit hours.</i>
332 DEVELOPMENTAL BIOLOGY MISS BENNETT AND MR. CHAMPLIN	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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of an instructor. <i>Four credit hours.</i>
333 CHORDATE EVOLUTION MR. EASTON	A study of the origins of vertebrate form through consideration of homologies in extinct and living organisms. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i>
†[337] THE REPRODUCTIVE BIOLOGY OF FLOWERING PLANTS	A study of the flowering process in various plant groups and the mechanisms of pollination they employ. Seed production and vegetational propagation strategies will also be considered. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Three credit hours.</i>
352 ECOLOGICAL THEORY MR. COLE AND MR. HILEMAN	An examination of the theoretical aspects 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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructors. <i>Three credit hours.</i>
*354 MARINE ECOLOGY MR. COLE AND MR. HILEMAN	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 projects. Occasional weekend trips to the coast. Lecture, laboratory, and discussion. <i>Prerequisite:</i> Biology 352 (may be taken concurrently). <i>Two credit hours.</i>

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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. <i>Prerequisite:</i> Biology 352 (may be taken concurrently). <i>Three credit hours.</i>
358j, 358 ECOLOGICAL FIELD STUDY FACULTY	A trip to a south temperate or tropical area during the spring recess or the January term. Students must cover expenses. <i>Prerequisite:</i> Permission of the instructors. <i>One credit hour.</i> (January: <i>three credit hours.</i> )
371 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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. Lecture only: <i>three credit hours</i> ; lecture and laboratory: <i>four credit hours.</i>
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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Three or four credit hours.</i>
377 TOPICS IN NEUROBIOLOGY MR. LABOV	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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Three or four credit hours.</i>
378 ANIMAL BEHAVIOR MR. LABOV	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 several introductory laboratory sessions and an independent research problem. <i>Prerequisite:</i> Biology 121, 122, and 271, or permission of the instructor. <i>Three or four credit hours.</i>
379j ELECTRON MICROSCOPY MR. CHAMPLIN AND MR. ALLEN	Principles and practice of transmission and scanning electron microscopy, including electron optics, imaging, and x-ray microanalysis. The routine operation of both the TEM and SEM will be presented and

practiced, as will the principles and techniques of sample preparation from both living and nonliving materials. Students will have an opportunity to develop further their techniques and expertise in the area of greatest interest to them. Enrollment limited.

*Prerequisite:* Junior or senior standing in a science major, or permission of instructor. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

Normally open only to senior biology majors.

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

493  
PROBLEMS IN ENVIRONMENTAL  
SCIENCE  
MR. COLE AND INSTRUCTOR

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

*Prerequisite:* Biology 352 and permission of the instructors. *Two to four credit hours.*

## Chemistry

001j  
NAVIGATION AND SEAMANSHIP  
IN THEORY AND PRACTICE  
MR. MACHEMER, SPONSOR

Three weeks aboard the 50-foot ketch *Palisander* in the French Antilles area. Eight to ten hours of instruction, lectures, and application every weekday, with at least one weekend devoted to a more extended cruise that will include night sailing. The vessel will dock each night except during night sailing exercises. Evaluation will be based on tests, a daily ship's log, and practical work. Enrollment limited to four. *Noncredit.*

1[111]  
STUDIES IN ENVIRONMENTAL  
BIOCHEMISTRY

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.*

1[112]  
CHEMISTRY FOR CITIZENS

Basic chemical principles and their application to topics of current concern, such as environmental problems, energy, nuclear reactions, recycling, health, and consumerism. Intended as a nonlaboratory course for non-science majors. *Three credit hours.*

141e, 142  
GENERAL CHEMISTRY AND  
ELEMENTARY ANALYSIS  
FACULTY

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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193j  
PRINCIPLES OF MARINE  
NAVIGATION  
MR. MACHEMER

Topics to be covered will include the magnetic compass, navigational aids, charts, piloting, dead reckoning, and celestial navigation. Flexible credit. *Three credit hours.*

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217  
ENVIRONMENTAL CHEMISTRY  
MR. MACHEMER

Application of chemical principles to such topics as mineral resources, energy, solid wastes, air and water pollution, and toxic substances.  
*Prerequisite:* Chemistry 142. *Three 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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312  
FUNDAMENTALS OF PHYSICAL  
CHEMISTRY  
MR. MACHEMER

A lecture course to provide a fundamental understanding of the physical chemistry important to biochemists and biologists.  
*Prerequisite:* Chemistry 242, Mathematics 122, and Physics 122. *Three credit hours.*

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331  
QUANTITATIVE ANALYSIS  
MR. MACHEMER

A theoretical and practical study of fundamentals of analytical chemistry. 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. MACHEMER

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.  
*Prerequisite:* Chemistry 331, 342 (may be taken concurrently). *Four credit hours.*

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341, 342  
PHYSICAL CHEMISTRY  
MR. SHATTUCK

The laws and theories of chemical reactivity and the physical properties of matter. Emphasis is placed on chemical equilibrium, molecular bonding, and the rates of chemical reactions. Major topics include thermodynamics, solutions, reaction kinetics, quantum mechanics, spectroscopy, and statistical mechanics.

*Prerequisite:* Chemistry 142, Physics 122, and Mathematics 122. *Five credit hours.*

411  
INORGANIC CHEMISTRY  
INSTRUCTOR

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.

*Prerequisite:* Chemistry 342. *Four credit hours.*

413  
INTEGRATED LABORATORY  
STUDIES  
MR. NEWTON

Synthesis and characterization of organic, inorganic, and organometallic compounds.

*Corequisite:* Chemistry 411 or 431. *One to three credit hours.*

431  
PHYSICAL ORGANIC CHEMISTRY  
MR. NEWTON

Reaction mechanisms, molecular rearrangements, nonclassical carbonium ions, hard-soft acid-base theory, carbenes and nitrenes, qualitative molecular orbital theory, and pericyclic reactions. Lecture.

*Prerequisite:* Chemistry 242, 342. *Three credit hours.*

432  
ADVANCED ORGANIC CHEMISTRY  
MR. NEWTON

The analysis and design of syntheses of complex molecules of biological importance: steroids, alkaloids, pheromones, juvenile hormones, prostaglandins, gibberellins, and antibiotics. Lecture.

*Prerequisite:* Chemistry 242. *Two credit hours.*

434  
ADVANCED PHYSICAL CHEMISTRY  
MR. DORAIN

Use of principles of symmetry and group theory as an aid in understanding chemical bonding and interpreting molecular spectroscopy.

*Prerequisite:* Chemistry 342. *Three credit hours.*

467, 468  
BIOCHEMISTRY  
MR. TULP

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.

*Prerequisite:* Chemistry 242. Lecture only: *four credit hours*; lecture and laboratory: *five credit hours.*

483, 484  
SPECIAL TOPICS IN  
ENVIRONMENTAL CHEMISTRY  
MR. MACHEMER

Primarily a laboratory course with emphasis on independent studies of environmentally related topics. A paper and oral presentation are required.

*Prerequisite:* Chemistry 217 and permission of the department. *One to three credit hours.*

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491, 492  
INDEPENDENT STUDY  
FACULTY

Laboratory work of a special (semiresearch) nature may be arranged with the instructor. Three to nine hours per week. *One to three credit hours.*

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†[494]  
SEMINAR IN BIOCHEMISTRY

Reading and discussion of current literature, emphasizing a common theme in an emerging area of biochemistry.  
*Prerequisite:* Chemistry 467 or permission of the department. *Two credit hours.*

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## Chinese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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121, 122  
ELEMENTARY CHINESE  
MR. SO

Introduction to spoken and written Mandarin Chinese, 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 CHINESE  
MR. SO

A continuation of Chinese 122, with greater emphasis on written Chinese.  
*Prerequisite:* Chinese 122. *Four credit hours.*

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[321, 322]  
ADVANCED CHINESE

Advanced readings in Chinese. Designed primarily for those students who have had substantial experience in a Chinese-speaking setting.  
*Prerequisite:* Chinese 124 or permission of the instructor. *Three or four credit hours.*

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491, 492  
INDEPENDENT STUDY  
MR. SO

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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## 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  
GREEK MYTH AND  
LITERATURE  
MR. WESTERVELT

Readings will focus on the development of a few well-known myths 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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| †[177]<br>TOPICS IN CLASSICS | The offerings vary depending upon the particular field of the Taylor Lecturer. <i>Two or three credit hours.</i> |
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| *178<br>THE CLASSICS AND ENGLISH<br>POETRY<br>MR. SULLIVAN | The strategies and intentions of poets from Golding and Marlowe to Pound and Robert Lowell in their use and abuse of Latin and Greek literature to define the roles imitation, emulation, and conscious borrowing have had in the creation of English poetry. <i>Two or three credit hours.</i> |
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| †[232]<br>GREEK TRAGEDY | 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 <i>Frogs</i> of Aristophanes. <i>Three or four credit hours.</i> |
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| *234<br>THE HEROIC IDEAL IN EARLY<br>GREEK POETRY<br>MR. WESTERVELT | Particular emphasis on Homer's <i>Iliad</i> and the odes of Pindar, with some attention to modifications of the heroic ideal that appear in Attic tragedy. <i>Three or four credit hours.</i> |
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| 491, 492<br>INDEPENDENT STUDY<br>FACULTY | Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.<br><i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i> |
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## Computer Science

IN THE DEPARTMENTS OF ADMINISTRATIVE SCIENCE AND MATHEMATICS

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| 111d<br>THE COMPUTER AND DECISION<br>MAKING<br>MR. RICHARDS | An introduction to the potential uses of the computer as a device in the solution of a variety of management problems. <i>Three credit hours.</i> |
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| 131d<br>INTRODUCTION TO COMPUTER<br>SCIENCE<br>MR. HOSACK | An introduction to computer science, including the development of algorithms, the syntax and semantics of programming languages, computer systems, data structures, and applications. The associated programming laboratory will develop the ability to translate algorithms into computer programs. <i>Three or four credit hours.</i> |
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## East Asian Studies

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- \*175  
THE PERCEPTION OF THE  
"ORIENT" IN THE WEST  
MR. ELMAN
- An interdisciplinary consideration of the Western perception of the Near East and Asia from Marco Polo to the twentieth century. Topics will include the impact of China, Japan, Southeast Asia, India, and Islamic nations on Europe during the eighteenth-century Enlightenment, the European approach to "Orientalism" in the nineteenth century, and the continuing misconceptions of Asia in our own day. Seminar format. *Three credit hours.*
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- \*176  
INTRODUCTION TO JAPANESE  
THOUGHT  
MR. ELMAN
- A historical survey of the interaction between Shinto, Buddhism, and Confucianism in Japan from antiquity to the 1868 Meiji Restoration, with special attention to the emergence of the cult of the emperor in imperial Japan. Readings from primary sources in translation. *Three credit hours.*
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- \*177  
THE CLASSICAL TRADITION IN  
CHINESE PHILOSOPHY  
MR. ELMAN
- Listed as Philosophy 175 (q.v.). *Three credit hours.*
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- \*178  
MEDIEVAL AND EARLY MODERN  
CHINESE PHILOSOPHY  
MR. ELMAN
- Listed as Philosophy 176 (q.v.). *Three credit hours.*
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- \*275  
NATURAL PHILOSOPHY AND THE  
PRECISE SCIENCES IN  
TRADITIONAL CHINA  
MR. ELMAN
- A survey of the history of science in premodern China, with attention to Chinese achievements in logic and linguistics, astronomy, mathematics, medicine, alchemy, geography, and technology. Secondary attention will be given to European contributions to these native fields of the precise sciences in the sixteenth and seventeenth centuries. No science background required. *Three credit hours.*
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- \*276  
PHILOSOPHICAL FOUNDATIONS OF  
MODERN JAPANESE POLITICAL  
THOUGHT  
MR. ELMAN
- The premodern roots of contemporary Japanese political thought. Focus will be on representative political theorists of the Tokugawa era (1600-1867), their impact on the 1868 Meiji Restoration, and the emergence of modern Japanese political discourse. Readings from primary sources in translation. Seminar. *Three credit hours.*
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- 491, 492  
INDEPENDENT STUDY  
FACULTY
- Individual study of special problems in East Asian civilization, offered in the departments that 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

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131d, 131j  
PRINCIPLES OF  
MACROECONOMICS  
FACULTY

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

132d  
PRINCIPLES OF  
MICROECONOMICS  
FACULTY

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

217, 218  
SEMINARS: ECONOMIC ANALYSIS  
AND POLICY  
MR. BEHR AND  
MR. R. CHRISTIANSEN

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.

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

231  
INTRODUCTION TO  
ENVIRONMENTAL ECONOMICS  
MR. TIETENBERG

Designed primarily for sophomore majors and 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 allocation of exhaustible mineral resources, and the inevitability and desirability of limiting economic growth.

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

233d  
MACROECONOMIC THEORY  
MR. G. CHRISTAINSEN AND  
MR. R. CHRISTIANSEN

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

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



234d MICROECONOMIC THEORY MR. MEEHAN	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. <i>Prerequisite:</i> Economics 131, 132. <i>Four credit hours.</i>
[256] UNIONS, COLLECTIVE BARGAINING, AND PUBLIC POLICY	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. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
*272 EUROPEAN ECONOMIC HISTORY MR. GEMERY	The framework of economic analysis applied to European historical patterns and trends. Aspects of industrialization, capital accumulation, technological change, trade and migration, and effects of entrepreneurial and government decisions. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
†[274] AMERICAN ECONOMIC HISTORY	The framework of economic analysis applied to American historical patterns and trends. Aspects of industrialization, capital accumulation, technological change, trade and migration, and effects of entrepreneurial and government decisions. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
277 INTERNATIONAL FINANCE MR. PAYSON	The analysis of international monetary relations. Topics include foreign exchange markets, capital flows, the balance of payments, adjustment to balance of payments disequilibrium, international monetary organizations, and monetary reform. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
278 INTERNATIONAL TRADE MR. HOGENDORN	The analysis of international trade. Topics include theories of international trade, the gains from trade, the impact upon factor incomes, commercial policy, commodity agreements and cartels, and international trade organizations. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
292 COMPARATIVE ECONOMIC SYSTEMS MR. G. CHRISTAINSEN	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. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
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. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>

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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 desirability of alternative solutions. Topics include urban transportation, housing, land use, racial conflict, and the current fiscal crisis. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i>
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. Research paper required; may be done for fourth credit or as Economics 391. <i>Prerequisite:</i> Economics 132 and 234. <i>Three or four credit hours.</i>
[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. <i>Prerequisite:</i> Economics 131, 132, 234. <i>Three or four credit hours.</i>
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. <i>Prerequisite:</i> Economics 131, 132, 234. <i>Three or four credit hours.</i>
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. Research paper required; may be done for fourth credit or as Economics 391. <i>Prerequisite:</i> Economics 131, 132, 234. <i>Three or four credit hours.</i>
336 MATHEMATICAL ECONOMICS MS. MCCORMICK	An examination of selected topics in economic theory using higher mathematics, e.g., advanced calculus, linear algebra, and set theory. Topics will include the development of portions of consumer and firm

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behavior and the study of dynamic models from macro theory, growth theory, and international finance, including stability conditions.

*Prerequisite:* Economics 233 or 234 and Mathematics 221, or permission of the instructor. *Three or four credit hours.*

338  
MONEY, BANKING, AND  
MONETARY POLICY  
MR. R. 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 or four credit hours.*

351  
PUBLIC FINANCE  
MS. MCCORMICK

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.*

352  
FISCAL POLICY  
MR. G. CHRISTAINSEN

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.*

355  
LABOR MARKET ECONOMICS  
MR. G. CHRISTAINSEN

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.*

†[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.*

391d  
ANALYTICAL RESEARCH PAPER  
IN ECONOMICS  
FACULTY

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.

*Prerequisite:* Permission of the instructor. *One credit hour.*

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<p>394 ECONOMETRICS MS. MCCORMICK</p>	<p>Introduction to applied econometrics. Parameter estimation, inference, and hypothesis testing. Problems of designing econometric models.</p> <p><i>Prerequisite:</i> Economics 131, 132; either Economics 223 or 234; either Mathematics 241 or Mathematics 381. <i>Three or four credit hours.</i></p>
<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.</p> <p><i>Prerequisite:</i> Economics 233, 234 and senior standing. <i>Three or four credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</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."</p> <p><i>Prerequisite:</i> Senior standing as economics major. <i>One to four credit hours.</i></p>
<p>494j, 494 SENIOR SEMINAR MR. MEEHAN AND MR. TIETENBERG</p>	<p>A seminar addressed to topics in public policy analysis, interdisciplinary issues, or research. Topics considered will change each semester; a complete description will be published before registration.</p> <p><i>Prerequisite:</i> Senior standing as economics major. <i>Three credit hours.</i></p>

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## Education

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<p>213 SOCIOLOGY OF EDUCATION MR. JACOBSON</p>	<p>The sociology, government, and comparative study of the American school. Prerequisite to Education 431. See also Education 253.</p> <p><i>Prerequisite:</i> A cumulative grade point average of 2.5 or higher. <i>Three credit hours.</i></p>
<p>251j FIELD EXPERIENCE IN ELEMENTARY SCHOOL MRS. MAVRINAC</p>	<p>Five days per week to be served as an assistant teacher in an elementary school, helping children to learn and working with cooperating teacher(s) and support personnel. Each student will maintain a journal, prepare sample lesson plans, and write a critical evaluation paper. Nongraded.</p> <p><i>Prerequisite:</i> Permission of the instructor and successful completion of one of the courses in the education certification sequence. Flexible credit. <i>Three credit hours.</i></p>

253, 254 FIELD EXPERIENCE IN ELEMENTARY SCHOOL 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. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i>
255d CHILD DEVELOPMENT MR. ZOHNER	Listed as Psychology 255 (q.v.). See also Education 253, 254. <i>Three credit hours.</i>
256 ADOLESCENT AND ADULT DEVELOPMENT MR. ZOHNER	Listed as Psychology 256 (q.v.). Prerequisite to Education 431. See also Education 254. <i>Three credit hours.</i>
273, 274 FIELD EXPERIENCE IN PRESCHOOL 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. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i>
294 COMPARATIVE HISTORY OF WOMEN'S EDUCATION MRS. MAVRINAC	Comparative study of educational opportunities for women, particularly secondary- and university-level institutions in the United States, Québec, and Europe. Common readings and individual projects will form the basis of discussions. Social roles of men and women, and socioeconomic class differences will be explored as background to the more specialized topics. Short course. <i>One or two credit hours.</i>
333 PHILOSOPHY OF EDUCATION MR. HUDSON	Listed as Philosophy 333 (q.v.). Prerequisite to Education 431. See also Education 353. <i>Three or four credit hours.</i>
336d1 HISTORY OF THE AMERICAN SCHOOL MR. JACOBSON	The origins and evolution of the American school and its role in transmitting culture across the generations. Emphasis is on the common school, the academy, and the public high school, with a brief study of the college and the university. Prerequisite to Education 431. Augmented credit of one hour based on addition of workshop in library research methods, equipment, and materials. See also Education 353, 354. <i>Three or four credit hours.</i>
351j FIELD EXPERIENCE IN JUNIOR HIGH SCHOOL MRS. MAVRINAC	Five days per week to be served as an associate teacher in a junior high school, helping adolescents to learn and working with cooperating teacher(s) and support personnel. Each student will maintain a journal, prepare sample lesson plans, and write a critical evaluation paper. Nongraded.

*Prerequisite:* Permission of the instructor and successful completion of one of the courses in the education certification sequence. Flexible credit. *Three credit hours.*

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353, 354  
FIELD EXPERIENCE IN JUNIOR  
HIGH SCHOOL.  
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 SPECIAL  
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  
FACULTY

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  
MR. JACOBSON

The secondary-school curriculum, general teaching methods, and instructional materials. Full-time teaching required in January. Required for certification. See also Education 433. Nongraded. Augmented credit of one hour based on addition of curriculum research and development project.

*Prerequisite:* A B or higher average in a major commonly taught in secondary school, and in certification courses, and permission of the chairperson in the major and in education. *Two or three credit hours.*

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†[432]  
ADVANCED STUDENT TEACHING:  
THEORY

Advanced topics in the study of the secondary-school curriculum, general teaching methods, and instructional materials, varied to meet the needs of the individual student. Required for certification. See also Education 434. Nongraded. Augmented credit of one hour based on addition of individualized education program.

*Prerequisite:* Successful completion of Education 431. Permission of the instructor. *Two or three credit hours.*

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433  
STUDENT TEACHING:  
PRACTICUM  
MR. JACOBSON

Five hours weekly to be served as a student teacher in a local secondary school; written directed exercises and evaluations via individual and group assignments. Required for certification. Nongraded.

*Prerequisite:* Concurrent enrollment in Education 431 and permission of the instructor. *Two or three credit hours.*

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434  
ADVANCED STUDENT TEACHING:  
PRACTICUM  
MRS. MAVRINAC

Five hours weekly to be served as a student teacher in a local secondary school; written directed exercises and evaluations via individual and group assignments. Nongraded.  
*Prerequisite:* Concurrent enrollment in Education 432 and permission of the instructor. *Two or three credit hours.*

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435j  
STUDENT TEACHING: PRACTICUM  
MRS. MAVRINAC

Five days per week to be served as a student teacher in a secondary school, helping adolescents to learn and working with cooperating teacher(s) and support personnel. The student teacher is expected to assume full responsibility for teaching three classes daily, including planning and presenting unit and daily lesson plans, and testing and evaluating student performance. Nongraded.  
*Prerequisite:* Education 431 and 433 and permission of the instructor. *Four credit hours.*

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473, 474  
FIELD EXPERIENCE IN ADULT  
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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491, 492  
INDEPENDENT STUDY  
FACULTY

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

*English 152 is prerequisite to all higher numbered literature courses.*

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[111, 112]  
ENGLISH FUNDAMENTALS

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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115d  
ENGLISH COMPOSITION  
FACULTY

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.*

152d, 152j INTRODUCTION TO LITERATURE MRS. KENNEY AND OTHERS	Poetry, prose, and drama from different times and cultures. Topics 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 MR. ARCHIBALD	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>
217, 218 CREATIVE WRITING FACULTY	Introduction to the writing of poetry and fiction, with emphasis on student manuscripts. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i>
221, 222j, 222 MAJOR BRITISH WRITERS FACULTY	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. 221: <i>Beowulf</i> through Milton. 222: Dryden to the beginnings of the modern movement. <i>Three credit hours.</i>
251 MAJOR AMERICAN WRITERS I FACULTY	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>
252j, 252 MAJOR AMERICAN WRITERS II FACULTY	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	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	Principles of argumentation, with application in extended persuasive speeches and formal debate. Enrollment limited; preference given to seniors and juniors. <i>Three credit hours.</i>
[275] THE ART OF THE NARRATIVE FILM	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 or four 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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- 297j  
INTRODUCTION TO RESEARCH IN  
WOMEN'S STUDIES  
MS. MANNOCCI
- In order to learn some of the research methods involved in women's studies, students will work on small, independent projects that focus on documents of women's lives. These might involve editing women's letters, diaries, or journals, gathering oral histories, surveying and assessing private and public collections, or collecting and exhibiting examples of women's domestic arts or visual examples of women's lives. Students will be encouraged to design their own projects. *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. BAUER
- Practice in the writing of short stories, with major emphasis on student manuscripts.  
*Prerequisite:* English 217 or 218 or permission of the instructor. *Three credit hours.*
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- 318  
INTERMEDIATE POETRY  
WORKSHOP  
MR. BAUER
- Practice in the writing of poetry, with major emphasis on student manuscripts.  
*Prerequisite:* English 217 or 218 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. *Three credit hours.*
- 
- †[332]  
POETRY OF THE LATER  
RENAISSANCE
- An intensive study of selected poets, including Shakespeare, Donne, Jonson, Herbert, and Marvell.  
*Prerequisite:* English 221. *Three credit hours.*

†[333] RENAISSANCE DRAMA	A study of the drama of the sixteenth and early seventeenth centuries as a developing art form and a major vehicle for communicating the intellectual currents of the English Renaissance. Among the playwrights studied will be Lily, Kyd, Marlowe, Tourneur, Middleton, Jonson, and Webster, excluding Shakespeare. <i>Three or four credit hours.</i>
*334 RESTORATION LITERATURE MR. SWENEY	The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. <i>Three or four credit hours.</i>
†[335] THE ROMANTIC PERIOD I	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 MR. ARCHIBALD	The origins, nature, and achievements of the modern movement in England and Ireland. The major authors in 1981-82 will be Yeats, Hardy, 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. BASSETT	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>
355d2 BLACK AMERICAN LITERATURE MS. MCDOWELL	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>

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- †[357]  
AMERICAN POETRY
- An analysis of the works of major American poets of the nineteenth and twentieth centuries, including Whitman, Dickinson, Frost, Pound, Eliot, and Stevens. *Three credit hours.*
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- [358]  
CONTEMPORARY AMERICAN  
POETRY
- 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. *Three credit hours.*
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- [359]  
EARLY AMERICAN AUTHORS
- Selected prose and poetry from the Puritan period, the Age of Reason, and the preromantic movement in American literature. *Three credit hours.*
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- 371  
THE AGE OF POPE AND SWIFT  
MR. SUTHERLAND
- Selected works by Defoe, Addison, Gay, Swift, Pope, Fielding, and other major British writers of the first half of the eighteenth century. *Three credit hours.*
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- 372  
FROM JOHNSON THROUGH  
BLAKE  
MR. ARCHIBALD
- Selected works by Johnson, Burke, Boswell, Sterne, Gray, Blake, and other major British writers of the second half of the eighteenth century. *Three or four credit hours.*
- 
- \*373  
THE DEVELOPMENT OF  
DRAMATIC ART I  
MR. KOONCE
- 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. *Three credit hours.*
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- \*374  
THE DEVELOPMENT OF  
DRAMATIC ART II  
MR. KOONCE
- 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. *Three credit hours.*
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- †[375]  
MODERN DRAMA I
- 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. *Three credit hours.*
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- †[376]  
MODERN DRAMA II
- 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. *Three credit hours.*

[377] VICTORIAN LITERATURE I	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>
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. <i>Three credit hours.</i>
379d2 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. <i>Three or four credit hours.</i>
383, 384 STUDIES IN SHAKESPEARE MR. BENBOW	Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. <i>Prerequisite:</i> English 221 or permission of the instructor. <i>Three credit hours.</i>
†[391] THE AGE OF CHAUCER	A brief survey of the popular literature of the late fourteenth century (lyrics, ballads, cycle plays, romances) as background for a study of Chaucer's major works—selected <i>Canterbury Tales</i> , the <i>Book of the Duchess</i> , the <i>Parliament of Fowls</i> , and <i>Troilus and Criseyde</i> . <i>Three credit hours.</i>
†[392] SIDNEY AND SPENSER	The major works of these two Elizabethan authors, including Sidney's <i>Astrophel and Stella</i> , <i>An Apology for Poetry</i> , and selections from <i>The Arcadia</i> , and Spenser's <i>Shepherd's Calendar</i> and selections from <i>The Faerie Queene</i> . Readings will also be drawn from the poetry of Petrarca, Ariosto, Wyatt, and Surrey in an attempt to suggest the Renaissance background of Sidney and Spenser. <i>Three credit hours.</i>
*394 MILTON MR. KOONCE	The poetry and major prose of John Milton. <i>Three credit hours.</i>
397Aj COMEDY ON THE ENGLISH STAGE IN THE SIXTEENTH AND SEVENTEENTH CENTURIES MR. KOONCE	Some of the principal comedies of the Renaissance and Restoration from <i>Ralph Roister Doister</i> through <i>The Way of the World</i> . <i>Three credit hours.</i>
397Bj THE ROMANTIC HERO MR. MIZNER	Novels of different periods and literatures—e.g., MacKenzie's <i>Man of Feeling</i> , Goethe's <i>Sufferings of Young Werther</i> , Lermontov's <i>A Hero of Our Time</i> , Flaubert's <i>Madame Bovary</i> , Conrad's <i>Lord Jim</i> , Fitzgerald's <i>The</i>

*Great Gatsby*, Hemingway's *The Sun Also Rises*, and Lawrence's *Lady Chatterley's Lover*—in all of which the central characters reveal certain attitudes, certain ways of thinking, acting, and feeling that, for want of a more accurate term, are called "romantic." *Three credit hours.*

411  
THE TEACHING OF ENGLISH  
MR. JACOBSON

A weekly seminar integrated with field experience in education and with practice teaching. Active participation as well as research in methods of teaching English, including literature, writing, grammar, speech. Some consideration of broader professional issues. The instructor will occasionally visit students' classes, and the students will discuss together problems that arise in their day-to-day teaching. Nongraded.

*Prerequisite:* Concurrent enrollment in Education 431 or permission of the instructor. *Three credit hours.*

417  
ADVANCED POETRY WORKSHOP  
MR. BAUER

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.*

418  
ADVANCED FICTION WORKSHOP  
MR. BAUER

Practice in the writing of short stories and longer fiction, 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.*

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. *Three or four credit hours.*

432], †[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. *Three or four credit hours.* (January: *three credit hours.*)

†[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. *Three credit hours.*

437  
THE LITERATURE OF  
EXISTENTIALISM  
MR. MIZNER

Though emphasizing the novels and plays of Sartre and Camus, this course also includes works by Dostoevsky, Tolstoy, Melville, Conrad, Beckett, Ionesco, Pinter, Abé, and Percy. Students enrolled for four credits will do fewer written assignments if they produce one of the plays studied. *Three or four credit hours.*

[472]  
ORAL INTERPRETATION

Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work.  
*Prerequisite:* Consent of a project adviser and permission of the chairman. *One to four credit hours.*

493, 494  
SEMINARS IN BRITISH AND  
AMERICAN LITERATURE  
FACULTY

Topics will change each semester, and a complete description of each section will be published before registration. *Three or four credit hours.*

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## Field Experience

-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 prior to beginning project. *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.*

f[115]  
PRACTICAL PHONETICS

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 in-

terpretation of a prose text in French. Enrollment limited to 10. Does not satisfy the college 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.*

121, 122  
ELEMENTARY FRENCH  
MR. FILOSOF AND OTHERS

Introduction to the language with emphasis on audio-lingual skills. Presentation of dialogue materials supplemented with visual aids. Use of taped materials in the language laboratory is a regular part of class work. Multisectioned. *Four credit hours.*

123, 124j, 124d  
INTERMEDIATE FRENCH  
FACULTY

An intensive review of the audio-lingual skills, followed by an introduction to the techniques of reading for direct comprehension, and an ongoing review of grammar. Use of taped materials in the language laboratory is a regular part of class work. Multisectioned.

*Prerequisite:* Appropriate score on the CEEB French achievement test or successful completion of French 122. *Three credit hours.*

127, 128  
INTENSIVE INTERMEDIATE  
FRENCH  
FACULTY

An intermediate course, using techniques similar to that of French 121, 122. Intended for students who want to accelerate their progress towards advanced courses in French. Reinforcement of audio-lingual skills and work on the development of reading and writing skills. Classroom recitation is supplemented by films and regular use of the language laboratory. French 127 alone does not satisfy the college language requirement.

*Prerequisite:* French 122 (taken at Colby) or appropriate CEEB score and permission of instructor. Enrollment limited. *Four credit hours.*

131d, 131j  
CONVERSATION AND  
COMPOSITION  
FACULTY

Intensive practice in the development of oral skills, with some additional work in written composition.

*Prerequisite:* French 124 or appropriate CEEB score, and permission of the instructor. Enrollment limited. *Three credit hours.*

141, 142  
INTRODUCTION TO FRENCH  
LITERATURE  
MS. MOSS AND OTHERS

Introduction to the reading of French literature using selected prose, poetry, and theater. Emphasis on reading, discussion, and composition.

*Prerequisite:* French 124 or appropriate CEEB score. Qualified students may be admitted to the second semester without the first. *Four credit hours.*

†[172]  
FRENCH FILM IN ENGLISH

A historical overview of French cinema as technology, as industry, and 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 have English subtitles. Qualified students

may earn an extra credit by writing papers and examinations in French, and by attending an additional meeting per week conducted in French. Does not satisfy the college language requirement. *Three or four credit hours.*

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217j  
THE NINETEENTH-CENTURY  
NOVEL IN FRANCE  
MR. BUNDY

Readings, in translation, of the major novelists of nineteenth-century France, including Stendhal, Balzac, Flaubert. Does not satisfy the college language requirement. *Three credit hours.*

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221, 222  
MAJOR FRENCH AUTHORS  
MR. WEISS

The evolution of French literature and thought from the sixteenth century to the present. Included among the authors read are: first semester—Montaigne, Pascal, Corneille, Voltaire, and Rousseau; second semester—Stendhal, Anouilh, Camus, and Sartre. Non-French majors may choose to write papers and examinations in English.

*Prerequisite:* French 142 or permission of the instructor. *Four credit hours.*

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†[223, 224]  
FRENCH CIVILIZATION

The evolution of French society and culture from the sixteenth century to the present. Historical as well as literary and esthetic readings will be used to illustrate social and intellectual attitudes. The first semester will cover the period through the enlightenment; the second semester from the French Revolution to the present. Non-French majors may choose to write papers and examinations in English.

*Prerequisite:* French 124 or permission of instructor. *Three or four credit hours.*

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231j, 231d2  
ADVANCED FRENCH  
MS. BERTRAND-GUY

A review of French grammar at the advanced level, with frequent free and guided composition.

*Prerequisite:* French 131, 141 or 142 or appropriate CEEB score. *Three credit hours.*

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235  
QUÉBEC IN TRANSITION  
MR. WEISS

The evolution of French Canada based on both literary and nonliterary texts, tracing the transition of French Canadian society from its rural beginnings to the modern, cosmopolitan province of Québec. Focus will be on events from World War II to the present, and topics will include nationalism, migration to New England, the language question, terrorism, and the Parti Québécois. Offered alternately in English and in French; offered in French in 1981-82. Non-French majors may write papers and examinations in English.

*Prerequisite:* French 142 or permission of the instructor. *Three or four credit hours.*



†[335] SEVENTEENTH-CENTURY FRENCH THEATER	The classical theater: Corneille, Racine, and Molière. Non-French majors may choose to write papers and examinations in English. <i>Prerequisite:</i> A 200-level French course. <i>Three or four credit hours.</i>
336d1 EIGHTEENTH-CENTURY FRENCH LITERATURE MR. BUNDY	The literature of the enlightenment: the literary and intellectual climate that led up to the French Revolution, with major focus on the <i>philosophes</i> : Montesquieu, Voltaire, Diderot, Rousseau. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
†[351] FRENCH CANADIAN LITERATURE	Analysis of important literary works from Québec and Acadia, focusing on problems of cultural identity, language, and the French-English conflict as seen in contemporary fiction. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
†[357] NINETEENTH-CENTURY FRENCH POETRY	Baudelaire and the symbolist poets: Mallarmé, Verlaine, and Rimbaud. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
358d1 NINETEENTH-CENTURY FRENCH LITERATURE MS. MOSS	A study of romanticism, realism, and naturalism through detailed analysis of selected works by the major nineteenth-century novelists. Stendhal, Balzac, Flaubert, Zola, and other authors will be studied. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
375d2 THE FRENCH NOVEL OF THE TWENTIETH CENTURY MR. WESTLIE	Selected novels by major twentieth-century French authors, including Proust, Gide, Bernanos, Sartre, Malraux, and Robbe-Grillet. Non-French majors may write papers and examinations in English. <i>Three or four credit hours.</i>
†[376] MODERN FRENCH DRAMA	The development of French theater from the middle of the twentieth century to the present. Within the context of this course, theater means performance as well as dramatic literature, and methods of analysis will include dramatic reading, the study of theatrical theories, and creative <i>mise-en-scènes</i> . Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
398 ASPECTS OF FRENCH COMEDY MR. BUNDY	A study of classical French comedy as seen in the works of Molière, Marivaux, and Beaumarchais. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
412 ADVANCED COMPOSITION MR. FERGUSON	Regular <i>thèmes</i> , <i>versions</i> , and compositions in French. Development of active vocabulary and ability to discern features of style in various authors. Introduction to examples of French prose from the Renaissance to the present.

*Prerequisite:* French 231 or permission of the instructor. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

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.*

493  
SEMINAR IN FRENCH  
LITERATURE  
MR. FILOSOF

The life and times of Boris Vian as seen in his works of prose, poetry, and drama. Non-French majors may choose to write papers and examinations in English.

*Prerequisite:* Permission of the instructor. *Three credit hours.*

494  
SEMINAR IN FRENCH  
LITERATURE AND POLITICS  
MR. WEISS AND MR. HAUSS

An interdisciplinary team-taught seminar exploring some major problems in contemporary French society, using both literary and non-literary sources. Topics will include social class, the role of women, and Marxism. Non-French majors may choose to write papers and examinations in English.

*Prerequisite:* Permission of instructors. *Three credit hours.*

499d  
LANGUAGE TEACHING  
FACULTY

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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## Geology

141e, 142  
INTRODUCTION TO GEOLOGICAL  
SCIENCE  
MR. WESTERMAN

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. May not be taken for credit in addition to Geology 161, 162. *Four credit hours.*

[161, 162]  
PROBLEMS IN GEOLOGY

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. May not be taken for credit in addition to Geology 141, 142. *Three credit hours.*

*172 OCEANOGRAPHY MR. PESTANA	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 for food and physical resources will be discussed. Lecture. <i>Three credit hours.</i>
†[176] OCEANOGRAPHY	Similar to Geology 172 but taught at the Bermuda Biological Station. Students cannot receive credit for Geology 172 and 176. Lecture. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> Geology 141, and Chemistry 141 (may be taken concurrently) or permission of the instructor. <i>Four credit hours.</i>
232 STRUCTURAL GEOLOGY MR. ALLEN	Mechanical deformation of rocks, microfabrics, primary structures, structural associations with plate tectonics. Formerly listed as Geology 242. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i>
233 FIELD METHODS MR. WESTERMAN	Surface and subsurface mapping methods applied to geologic problems. Formerly listed as Geology 241. <i>Prerequisite:</i> Geology 232 or permission of the instructor. <i>Four credit hours.</i>
251 INVERTEBRATE PALEONTOLOGY MR. PESTANA	Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory. <i>Prerequisite:</i> Geology 142 or 161 or one year of biology. <i>Four credit hours.</i>
*252 MICROPALAEONTOLOGY MR. PESTANA	A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation. <i>Prerequisite:</i> Geology 251 or permission of the instructor. <i>One to four credit hours.</i>
[254] ADVANCED INVERTEBRATE PALEONTOLOGY	A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, age determination, and environmental interpretation. <i>Prerequisite:</i> Geology 251 or permission of the instructor. <i>One to four credit hours.</i>

[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>
†[312] SEDIMENTATION AND CARBONATE SEDIMENTS	Sedimentary processes, environments of deposition, and the classification and description of sedimentary rocks. Emphasis will be on carbonate sediments and the biological aspects of sedimentation. Taught at the Bermuda Biological Station. Students can not receive credit for Geology 311 and 312. Lecture and laboratory. <i>Prerequisite:</i> Geology 142 and 215. <i>Four credit hours.</i>
†[314] FIELD STUDY IN BERMUDA	Field and laboratory study of selected topics dealing with coral reefs, carbonate sediments, or other aspects of the Bermuda environment. <i>Prerequisite:</i> Geology 176 and 312 or equivalents. <i>Five 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>
358 GEOLOGICAL FIELD STUDY FACULTY	A spring-recess field trip to a selected area. Students must cover expenses. <i>Prerequisite:</i> Permission of the instructor. <i>One credit hour.</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	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>

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379j ELECTRON MICROSCOPY MR. CHAMPLIN AND MR. ALLEN	Listed as Biology 379j (q.v.). <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. Lecture and laboratory. <i>Prerequisite: Geology 215. Four credit hours.</i>
393j ENVIRONMENTAL GEOLOGY MR. KOONS	Environmental geology: opportunities and constraints. May be substituted for Geology 483 or 484. Open to junior and senior majors in the department. <i>Three 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: Geology 251 and 311. Four credit hours.</i>
[483], 484 ENVIRONMENTAL GEOLOGY MR. KOONS	Selected topics dealing with environmental quality. Extensive individual investigation. <i>Prerequisite: Permission of the instructor. Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Field and laboratory problems in geology or environmental problems, with regular reports and a final written report. <i>Prerequisite: Permission of the instructor. One to four credit hours.</i>

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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 142 or permission of the instructor is required for all higher-numbered German courses.*

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117j CONTEMPORARY CULTURE IN THE GDR MR. REYNOLDS	A cultural and linguistic comparison between East and West Germany. Lectures will be heard at the universities of Leipzig, Wittenberg, and Erfut. Subjects will be the educational system of the GDR, the industrial complex, and the agricultural program of the country. On-site investigations of all three subjects are incorporated in the itinerary.
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Finally, students will spend four days in West Berlin. At the German Information Center, they will hear the West German side of the "German Question," where the very things they have seen and experienced during their GDR trip will be discussed from a Western standpoint. A final paper comparing the three major topics dealt with during the trip will be required of each student seeking flexible credit for the course. Tour only: *noncredit*. With paper: flexible credit. *Three credit hours*.

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121, 122d  
ELEMENTARY GERMAN  
FACULTY

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. Multisectioned. *Four credit hours*.

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123, 124j, 124  
INTERMEDIATE GERMAN  
FACULTY

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. Multisectioned.

*Prerequisite:* Appropriate score on the CEEB German achievement test or German 122 (for 123) or German 123 (for 124). *Four credit hours*.

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132  
CONVERSATION AND  
COMPOSITION  
INSTRUCTOR

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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141, 142  
MASTERPIECES OF GERMAN  
LITERATURE  
MR. REYNOLDS

Introduction to German literature through readings of selected masterpieces illustrative of a major literary genre. First semester: the novelle; second semester: modern drama.

*Prerequisite:* German 124 or equivalent. *Three credit hours*.

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\*197  
FORTSETZUNG: DEUTSCH  
MR. REYNOLDS

Designed for students with majors other than German who want to maintain proficiency in German. Practice in conversational skills, review of grammar, and vocabulary building. Students completing the course may take a special examination leading to a certificate of proficiency in German. Cannot be counted toward the German major.

*Prerequisite:* German 124 or equivalent background in German. *One credit hour*.

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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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[232] ADVANCED GERMAN	A review of German grammar at the advanced level, with directed themes and free compositions. <i>Prerequisite:</i> German 131 or 241. <i>Three credit hours.</i>
345, 346 THE GDR: 1949 TO THE PRESENT INSTRUCTOR	Representative literary texts in the context of their historical perspective will be used to introduce and analyze the phenomenon of <i>Kulturpolitik</i> . <i>Prerequisite:</i> Successful completion of a German course numbered above 124. <i>Four credit hours.</i>
*353 TOPICS IN EIGHTEENTH- CENTURY GERMAN LITERATURE MR. REYNOLDS	Literature of the classical period: Lessing, Goethe, and Schiller. <i>Four credit hours.</i>
†[355] TOPICS IN NINETEENTH- CENTURY GERMAN LITERATURE	The German romantic movement. <i>Four credit hours.</i>
†[358] TOPICS IN TWENTIETH- CENTURY GERMAN LITERATURE	German literature after 1890. <i>Four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	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>
[493], 494 SEMINAR IN GERMAN LITERATURE MR. REYNOLDS	Topics, which change each semester, may cover an author, a genre, or a literary movement. Spring 1982: Goethe's <i>Faust</i> . <i>Four credit hours.</i>
499d LANGUAGE TEACHING FACULTY	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>

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## Government

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111

INTRODUCTION TO AMERICAN  
GOVERNMENT AND POLITICS  
FACULTY

An examination of the ideas and values that underlie the American political system, and of their contemporary manifestations in institutions, processes, and policies. Coordinated lectures presented by several members of the government faculty in their areas of specialization. Open to freshmen and, by departmental permission, to others majoring in government. *Four credit hours.*

112

COMPARATIVE POLITICS: AN  
INTRODUCTION TO POLITICS  
OUTSIDE THE UNITED STATES  
FACULTY

An analysis, through case studies, of the major dimensions of domestic and transnational politics in Western democracies, Communist countries, and the Third and Fourth worlds. Coordinated lectures presented by several members of the government faculty in their areas of specialization; discussion sections headed by individual faculty members. Open to freshmen and, by departmental permission, to others majoring in government. *Four credit hours.*

132j, 132

CONFLICT RESOLUTION  
MR. WEISSBERG

This course will begin by dealing with the theoretical aspects of conflict resolution in the domestic and international spheres. Subsequently, it will be turned into the United Nations Security Council as constituted at the present time. Each student will assume the role of an ambassador to the United Nations and represent his or her country's position in relation to a hypothetical case. Open to freshmen only. *Three credit hours.*

†[211]

THE AMERICAN SYSTEM AND  
THE SHAPING OF THE MODERN  
POLITY

An integration of the empirical study of American government and politics with the study of classical and modern theories of politics. The empirical focus is on current features of the American national decision-making structure and process; simultaneously the theoretical base of this structure and process is analyzed by studying key thinkers in the Western tradition, including Plato, Aristotle, Aquinas, Calvin, Hobbes, Rousseau, Hegel, and Marx. Frequent comparison is made between American decision-making systems and those of other constitutional societies. *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 transnational relations and for those who will not have other occasion in college to study the shape of the international system. *Three credit hours.*

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234  
EUROPEAN POLITICS  
MR. ALLEN

An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. Familiarity with material covered in Government 112 is assumed. Enrollment preference given to majors in government. *Four credit hours.*

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237  
POLITICAL DEVELOPMENT IN  
MODERN JAPAN  
MR. BOWEN

The political, cultural, historical, and economic dynamics of Japan's drive to modernize since the 1868 Meiji Restoration. 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 or four credit hours.*

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[253]  
COMPARATIVE POLITICAL  
PARTIES

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. *Three or four credit hours.*

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[254]  
COMPARATIVE COMMUNISM

An analysis of the politics of the Communist world. Particular attention will be given to an understanding of the similarities and differences between the Union of Soviet Socialist Republics and the People's Republic of China. *Three or four credit hours.*

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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. *Three or four credit hours.*

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273  
THE AMERICAN CONGRESS  
MR. MAISEL

The organization, powers, and actions of the legislative branch of the American government examined in historical and contemporary perspective. Formerly listed as Government 374. *Three or four credit hours.*

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274  
THE AMERICAN PRESIDENCY  
MR. MACKENZIE

The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. Formerly listed as Government 373. *Three or four credit hours.*

295j INTERNSHIP FACULTY	Month-long internships in offices such as those of attorneys, congressmen, senators, and state legislators. Flexible credit. <i>Three credit hours.</i>
[311] INTRODUCTION TO SOCIAL SCIENCE METHODS	An introduction to the theories, concepts, and strategies used in research in political science. The philosophy of social science, research design and execution, elementary statistical analysis, and computer usage. Enrollment limited. <i>Prerequisite:</i> Government 111 and 112 or permission of the instructor. <i>Four credit hours.</i>
314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC	The United States Supreme Court and constitutional litigation as part of the American political process. <i>Three or 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 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. <i>Three or four credit hours.</i>
319 LAW AND SOCIAL CHANGE MR. COTTER	An examination of the respective roles of the courts, the legislature, and the executive in declaring law and resolving disputes. The legal "case method" will be used to focus on the judicial process as it has dealt with problems of slavery and racial equality in the United States, and to a lesser extent, South Africa. The Socratic method of teaching will be used, and regular class participation is required of all students. Enrollment may be limited. <i>Three credit hours.</i>
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 or four credit hours.</i>
331 COLLOQUIUM ON TRANSNATIONAL ISSUES MR. WEISSBERG	Transnational issues with domestic implications, and domestic problems with a substantial transnational impact. Topics will include the Third United Nations Conference on the Law of the Sea, human rights, the New International Economic Order, the political and legal

aspects of terrorism, and third-party settlement. A substantial paper is required.

*Prerequisite:* Permission of the instructor. *Four credit hours.*

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- †[332]  
POLITICAL DEVELOPMENT IN  
THE THIRD WORLD
- 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. *Three or four credit hours.*
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- [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. *Three credit hours.*
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- [336]  
INTERNATIONAL ORGANIZATION
- The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. *Three credit hours.*
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- 338  
INTERNATIONAL LAW  
MR. WEISSBERG
- The body of rules and principles of behavior that govern states and other transnational actors in their relations with each other, as illustrated in cases and texts. *Three credit hours.*
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- [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. *Three or four credit hours.*
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- 356  
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. Formerly listed as Government 256. *Three or four credit hours.*
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- [357]  
DEMOCRACY IN DIVIDED  
SOCIETIES
- 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. *Three or four credit hours.*

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†[358] CONTEMPORARY JAPANESE POLITICS	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 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>
375j THE COMMITTEE SYSTEM IN THE UNITED STATES CONGRESS MR. MAISEL	An examination of the process through which Congressional committees make decisions in the modern House of Representatives. During the first part of the course professional political science literature on committee performance will be read. The second part of the course will follow a specific piece of legislation through the appropriate committee in a concentrated simulation. <i>Three 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>
394 PRE-HONORS WORKSHOP FACULTY	Preparation of honors project proposal; methodological and preliminary substantive studies in a selected honors area. Terms of admission to the honors program and to this course available from the department chairman. <i>Prerequisite:</i> Junior standing as a government major and permission of the department. <i>Three credit hours.</i>

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403, 404 HONORS WORKSHOP FACULTY	Individual and group meetings of seniors and faculty participating in government honors program. <i>Prerequisite:</i> Permission of the department. <i>Four credit hours.</i>
412 COLLOQUIUM ON POLITICAL THEORY AND CONSTITUTIONAL LAW MR. MAVRINAC	The evolution of political theory and of decision-making structures and processes in modern constitutional societies. The relationship of political theory to evolving doctrines of constitutional law in the United States and such other modern societies as England, France, and West Germany. Enrollment limited. <i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i>
413d2 SEMINAR IN COMPARATIVE POLITICS MR. HAUSS	An analysis of a major topic in the politics of the advanced industrial democracies. Familiarity with material covered in Government 234 is assumed. <i>Three credit hours.</i>
†[416] WESTERN INTERVENTION IN THE NON-WESTERN WORLD	Geopolitical, historical, ideological, and economic forces affecting Western involvement in the political and economic affairs of Third World nation-states. Case studies will include post-World War II instances of intervention and their impact on subsequent efforts at indigenous political development. An attempt will be made to isolate systematically the causes and different forms of intervention before trying to develop a theory of this phenomenon. <i>Three or four credit hours.</i>
433, 434 SEMINAR IN AMERICAN NATIONAL GOVERNMENT AND POLITICS MR. MAISEL	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>
[436] AMERICAN POLITICS SEMINAR: VOTING BEHAVIOR	An intensive examination of the social and psychological determinants of voting behavior. <i>Three credit hours.</i>
438 SEMINAR IN POLICY ANALYSIS MR. MACKENZIE	An intensive study of selected public policy issues. Consideration will be given first to the manner in which public policies are analyzed, and then to the application of evaluative techniques to specific areas of government decision-making. <i>Three credit hours.</i>
457 SEMINAR ON THE FOREIGN POLICY OF THE UNITED STATES MR. WEISSBERG	The formulation, objectives, and execution of United States foreign policy, with particular emphasis on the post-World War II period. Conducted in the form of the United States Senate Committee on Foreign Relations as presently constituted.

*Prerequisite:* Government 215 or equivalent or permission of the instructor. *Three or four credit hours.*

458  
SEMINAR ON THE UNITED  
NATIONS  
MR. WEISSBERG

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.

*Prerequisite:* Permission of the instructor. *Three or four credit hours.*

477  
SEMINAR IN EAST ASIAN  
POLITICS  
MR. BOWEN

Fall 1981: "Japanese Fascism in Comparative Perspective." A focus on the demise of Japanese democracy in the 1930's and the rise of Japanese fascism, studied comparatively with similar developments in Germany and Italy. The empirical basis of the course will be augmented by a study of democratic and fascist theories, most particularly the relationship between liberal democracy and fascist ideologies in a nationalistic context. *Three or four credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

A study of government through individual projects.

*Prerequisite:* Government major and permission of the department chairman and instructor. *One to four credit hours.*

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## Greek

IN THE DEPARTMENT OF CLASSICS

111d, 111j  
INTRODUCTORY GREEK  
MRS. KOONCE

Introduction to Homeric Greek. *Four credit hours.*

112d  
INTERMEDIATE GREEK  
MR. WESTERVELT

Readings in Homer's *Iliad*. *Four credit hours.*

131  
INTRODUCTION TO GREEK  
LITERATURE  
MR. SULLIVAN

The *Odyssey* of Homer. Successful completion of this course fulfills the college language requirement. *Three credit hours.*

232  
ATTIC PROSE  
MRS. KOONCE

PLATO: *Apology, Crito, Euthyphro*. *Three or four credit hours.*

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†[254] ATTIC POETRY	Euripides. <i>Three or four credit hours.</i>
[351] GREEK LITERATURE	Thucydides. <i>Three or four credit hours.</i>
*352 GREEK LITERATURE MR. WESTERVELT	Sophocles. <i>Three or four credit hours.</i>
[353] GREEK LITERATURE	Demosthenes. <i>Three or four credit hours.</i>
*355 GREEK LITERATURE MRS. KOONCE	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 FACULTY	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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111A THE RISE OF EUROPE MR. GILLUM	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. <i>Three credit hours.</i>
111B THE RISE OF EUROPE MRS. MAVRINAC	European national societies of the eighteenth and nineteenth centuries. Particular topics on revolutions, reform movements, and industrial modernization allow in-depth studies. Literature and political theory

are used to supplement historical readings on major issues in nineteenth-century government and society. Open to freshmen and sophomores. *Three credit hours.*

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†[112A]

THE DECLINE OF EUROPE

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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112B

THE DECLINE OF EUROPE

MRS. MAVRINAC

Twentieth-century Europe: World War I, collapse of old empires, emergence of new national societies, and social and political tensions that led to World War II. European politics to the 1970's. Open to freshmen and sophomores. *Three credit hours.*

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123, 124

SURVEY OF UNITED STATES

HISTORY

MR. MOSS

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. *Three credit hours.*

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†[137]

MEDIEVAL HISTORY, 476-1453

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 Renaissance. Emphasis will be on Western (Latin and Germanic) and non-Western (Byzantine and Moslem) influences. *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.*

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152

EAST ASIAN CIVILIZATION FROM  
1600 TO THE PRESENT

MR. FEIGON

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. *Three credit hours.*

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158

INTRODUCTION TO HISTORY

MR. MOSS AND MR. COCKS

An examination of some of the problems posed by studying the past and an introduction to the tools and methods used by the historian. Each section will include some discussion of the history and philosophy of history and examine in detail a limited historical topic. Enrollment



	limited; preference given to freshmen and sophomores. <i>Three credit hours.</i>
213 AFRICAN HISTORY I MR. OKWU	A survey of the history of Africa from prehistoric man to the eighteenth century. Included are the rise of Egyptian, Islamic, and Sudanese civilizations, the impact of European trade, the slave trade, Swahili culture, and Dutch settlement in South Africa. Open to freshmen with permission of the instructor. <i>Three credit hours.</i>
214 AFRICAN HISTORY II MR. OKWU	A survey of Africa from the eighteenth century to the present. <i>Three credit hours.</i>
215 AMERICA AND ASIA: ATTITUDES AND RELATIONSHIPS MR. FEIGON	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>
216j, 216 THE CHINESE REVOLUTION MR. FEIGON	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>
219j THE HOLOCAUST: A STUDY OF NAZISM AND JUDAISM MR. BERSCHNEIDER	A study of this tragedy in modern German as well as Western history, with the hope of becoming more capable of answering questions still unsatisfactorily answered, and of posing new questions regarding this riddle of history. Reading both historical and literary accounts of the tragedy. Enrollment limited. <i>Three credit hours.</i>
†[232] RENAISSANCE AND REFORMATION	Selected topics in the intellectual and cultural history of Europe during its period of transition from the medieval to the modern world. <i>Three or four credit hours.</i>
237 THE EMERGENCE OF MODERN BRITAIN, 1688-1867 MR. GILLUM	England during the American, French, and Industrial revolutions. <i>Three credit hours.</i>
†[238] THE DECLINE OF BRITAIN, 1867-1980	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>[253] AMERICAN DIPLOMATIC HISTORY, 1775-1898</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. <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>
<p>*256 EUROPEAN AND AMERICAN DIPLOMATIC HISTORY, 1890-1945 MR. BERSCHNEIDER</p>	<p>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. <i>Three or four credit hours.</i></p>
<p>257 THE HISTORY OF WOMEN IN AMERICA MS. HUNTER</p>	<p>A survey of American women's history from colonial times to the present, focusing on changing economic, political, and social status, and analyzing the experiences of different classes and ethnic groups. The course will consider unorganized as well as organized female activity. Extensive reading of primary documents. <i>Three credit hours.</i></p>
<p>258 AMERICAN CHARACTER AND CULTURE MR. BERNARD</p>	<p>The history and meaning of America as reflected in the life experiences of some Americans and accounts of foreign travelers. Readings include autobiographies and biographies (Franklin, Twain, Malcolm X, Norman Mailer), studies of American character (Tocqueville, Turner, David Potter), and selected fiction. <i>Three or four credit hours.</i></p>
<p>277 AFRO-AMERICAN HISTORY: FROM SLAVERY TO FREEDOM MR. WEISBROT</p>	<p>The development of racism in America: the black experience of slavery, the role of Afro-Americans in shaping the nation's history, and the struggle for social equality from colonial times until the present. <i>Three credit hours.</i></p>
<p>[278] AFRO-AMERICAN HISTORY II</p>	<p>The struggle for equality, 1865 to the present. The continuing patterns of discrimination against blacks since the Civil War, black strategies of resistance and accommodation, and emergence of the civil rights movement as a major force in national politics. No prerequisites, but develops themes presented in History 277. <i>Three credit hours.</i></p>
<p>293 USE OF THE COMPUTER IN HISTORICAL STUDIES MRS. MAVRINAC</p>	<p>An introduction to the use of the computer for research projects using primarily SPSS. A group project using the manuscript census of 1880 or 1900 will provide "hands-on" experience. Coding and elementary processing of data will be studied. <i>One to two credit hours.</i></p>

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- [311] Individual work in history, especially for juniors, built around weekly  
TUTORIAL IN HISTORY one-hour tutorial sessions between each tutee and the instructor. En-  
rollment limited to six students.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*
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- 313 The historical genesis of apartheid and race relations in South Africa,  
APARTHEID AND RACE the means by which the present system is maintained, and the African  
RELATIONS IN SOUTH AFRICA reaction to it. *Three or four credit hours.*  
MR. OKWU
- 
- †[314] The origins of the First World War, its military and social history and  
THE FIRST WORLD WAR AND its influence on the transformation of European society, 1900-1925.  
THE CRISIS OF EUROPEAN Particular attention will be given to the decline of the British Empire  
SOCIETY and to the Russian Revolution. *Three credit hours.*
- 
- [317] The development of Marxist ideology in Europe interwoven with the  
THE INTRODUCTION OF history of the evolution of Chinese thought and society in the late nine-  
MARXISM INTO CHINA teenth 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.*
- 
- 318 The development of Chinese Communist theories and practice since  
THE PEOPLE'S REPUBLIC OF 1949 and their relation to socialist ideas and activities in other coun-  
CHINA tries. Special emphasis will be placed on the socioeconomic background  
MR. FEIGON in China within which Maoist theory developed, particularly on the  
problems involved in attempting to bring about a socialist reorganiza-  
tion of state and society while engaged in industrial development. *Three  
or four credit hours.*
- 
- †[333] A political survey of English history in the Saxon, Norman, Angevin,  
MEDIEVAL ENGLAND Lancastrian, and Yorkist periods. *Three credit hours.*
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- 334 The Utopian hopes for government during the Kennedy and Johnson  
CRISIS AND REFORM: THE years, both in solving social problems and in containing Communism  
1960's around the world. Readings focus on the shaping of federal policies,  
MR. WEISBROT their domestic and global impact, and the cultural and political legacy  
of this era. *Three or four credit hours.*

<p>*335 A CONSTITUTIONAL AND LEGAL HISTORY OF MEDIEVAL ENGLAND MR. GILLUM</p>	<p>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. <i>Three credit hours.</i></p>
<p>†[336] TUDOR-STUART ENGLAND</p>	<p>The contest of religious doctrines and the conflict of political concepts, from the Renaissance monarchy of Henry VII to the "Glorious Revolution" of 1688. <i>Three credit hours.</i></p>
<p>341, 342 HISTORY OF RUSSIA AND THE USSR MR. RAYMOND</p>	<p>The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. <i>Three credit hours.</i></p>
<p>*352d1 INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE MR. BERSCHNEIDER</p>	<p>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. <i>Three or four credit hours.</i></p>
<p>*353 AMERICAN CULTURE AND SOCIETY, 1865-1975 MS. HUNTER</p>	<p>The development of modern American culture from the Gilded Age to the "Me" decade, from the Civil War to Vietnam. Social change and the evolving meaning of work, leisure, the individual, and the social experiment as reflected in literature, film, music, and art. <i>Three or four credit hours.</i></p>
<p>[354] AMERICAN INTELLECTUAL HISTORY, 1865-1917</p>	<p>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. <i>Three credit hours.</i></p>
<p>355 THE FRENCH REVOLUTION AND NAPOLEON MR. RAYMOND</p>	<p>The origins and political and social development of the French Revolution and Napoleonic dictatorship, 1789-1815. Considerable attention will be given to theories of revolution. <i>Three credit hours.</i></p>
<p>†[356] MODERN GERMANY</p>	<p>The political and economic development and the international influence of Germany from 1806 to 1945. <i>Three credit hours.</i></p>
<p>*358 MODERN FRANCE, 1815-1946 MR. BERSCHNEIDER</p>	<p>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. <i>Three or four credit hours.</i></p>

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- 372  
THE AMERICAN CIVIL WAR  
MR. RAYMOND
- The origins of the Civil War and its military and political history from about 1850 to 1865. *Three credit hours.*
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- 373  
AMERICAN POLITICAL HISTORY,  
1865-1929  
MR. WEISBROT
- American reform from the Reconstruction to the influence of the progressives. Topics include the changing nature of national politics in response to sectional and racial tensions, the growth of industry and urban life, agrarian and labor discontent, and the country's deepening involvement in world affairs. *Three or four credit hours.*
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- 374  
AMERICAN POLITICAL HISTORY,  
1929 TO PRESENT  
MR. WEISBROT
- The accelerated growth of federal power and responsibilities in meeting the challenges posed by the Great Depression, World War II, national security needs in a nuclear age, and rising demands by blacks and other minorities for equal rights. No prerequisites, but develops themes presented in History 373. *Three or four credit hours.*
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- †[376]  
AMERICA: THE NEW WORLD,  
1607-1783
- The United States from its settlement to the War of Independence; the emergence of a unique American society, mind, and political structure.  
*Prerequisite:* History 123. *Three credit hours.*
- 
- \*378  
THE UNITED STATES,  
1783-1860  
MR. BERNARD
- The problems of the new nation, including the Constitution, geographical expansion, religious revivalism, reform, democracy, slavery, and sectionalism. *Three credit hours.*
- 
- [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.  
*Prerequisite:* History 277, 278 or permission of the instructor. *Three credit hours.*
- 
- 393  
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. *Three credit hours.*
- 
- [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. *Three credit hours.*

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- 415  
SEMINAR IN AMERICAN HISTORY  
FACULTY
- (A) "Ethnic Experience in Twentieth-Century America" (Ms. Hunter). Patterns and distinctions in the American experience of recent immigrant groups. Issues of community, conflict, and acculturation as they emerge in the history of Italian, Jewish, Asian, and Latin immigrant groups. (B) "Crisis and Reform: The 1930's" (Mr. Weisbrot). An examination of the era of the Depression and the New Deal as a way to explore a critical point in American liberalism and the politics of reform in this country.
- Prerequisite:* Permission of the instructor. *Three credit hours.*
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- 416  
SEMINAR IN AMERICAN HISTORY  
FACULTY
- (A) "History of the American Family" (Mr. Bernard). American families from colonial times to the present: European origins of the modern family, American Indian families, colonial family adaptation and change, the black family, the modern family. (B) "The American Early National Period" (Mr. Moss and Mr. Gemery). The crucial issues of American history between 1789 and 1840: were political and cultural developments more important in the early growth of the American republic? Issues will include the federal period, the Revolution of 1800, the War of 1812, the rise of technology, and Jacksonian democracy.
- Prerequisite:* Permission of the instructor. *Three credit hours.*
- 
- 418  
SEMINAR IN DIPLOMATIC  
HISTORY  
MR. BERSCHNEIDER
- For Spring 1982: "The Middle East in Crisis." Diplomatic history of Western involvement in the Arab-Israeli dispute.
- Prerequisite:* Permission of the instructor. *Three or four credit hours.*
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- \*419  
SEMINAR IN MEDIEVAL HISTORY  
MR. BERSCHNEIDER
- 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.
- Prerequisite:* Permission of the instructor. *Three or four credit hours.*
- 
- 432  
SEMINAR IN BLACK HISTORY  
MR. WEISBROT
- "Black Thought and Leadership." An intensive examination of selected leaders in Afro-American history, focusing particularly on civil rights activists and black nationalists of the past century. W.E.B. DuBois, Marcus Garvey, Martin Luther King, and Malcolm X are among those whose biographies and writings will be explored.
- Prerequisite:* Permission of the instructor. *Three credit hours.*
- 
- 457  
SEMINAR IN MODERN CHINESE  
HISTORY  
MR. FEIGON
- Materials on the Chinese Revolution will be used in an examination of differing historical methodologies. The focus will be on the origin and development of Marxist ideas in China through the early 1930's. *Three or four credit hours.*

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491, 492 INDEPENDENT STUDY FACULTY	A study of history through individual projects. <i>Prerequisite:</i> History major and permission of the instructor. <i>One to four credit hours.</i>
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## Human Development

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393d2 SEMINAR MR. ROSENTHAL	The study of multidisciplinary perspectives on problems in human development. <i>Two credit hours.</i>
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491, 492 INDEPENDENT STUDY FACULTY	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>
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493 SEMINAR IN HUMAN DEVELOPMENT MS. ROSE	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. <i>Three credit hours.</i>
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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	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. <i>Four credit hours.</i>
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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. <i>Prerequisite:</i> Italian 121, 122 or permission of the instructor; 124 may not be taken without 123 except with permission of instructor. <i>Three credit hours.</i>
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## January Program

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291j  
INDIVIDUAL PROJECTS  
FACULTY

Each department and interdisciplinary major sponsors a number of individual January program projects, primarily for majors, to be offered under the appropriate subject heading. At the time of registration the student and sponsor will determine if the project is to be graded or nongraded, and if it is to be for credit (either basic or flexible) or non-credit. The number of credits possible varies with department or program.

*Prerequisite:* Permission of the sponsor and, for projects outside the student's major, approval of the educational policy committee. Non-credit, flexible credit, or basic credit. *Zero to three credit hours.*

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OTHER JANUARY PROGRAMS

Courses to be offered in January are listed with the department of the faculty member sponsoring the course. Listings of all available January programs will be available in October, when students register for the January term. Enrollment will be limited in most courses.

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## Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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121, 122  
ELEMENTARY JAPANESE  
MRS. STRONG

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  
MRS. STRONG

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

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  
FACULTY

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 An intensive course in Latin grammar and syntax. *Four credit hours.*  
 INTENSIVE ELEMENTARY LATIN  
 MR. SULLIVAN
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- 112 Selected readings from Latin authors. *Three credit hours.*  
 INTERMEDIATE LATIN  
 MR. SULLIVAN
- 
- 113 Readings in Terence. *Three credit hours.*  
 INTRODUCTION TO LATIN  
 LITERATURE  
 MR. WESTERVELT
- 
- 232 Readings in Virgil's *Aeneid*. Successful completion of this course fulfills the college language requirement.  
 INTRODUCTION TO LATIN  
 POETRY  
 MR. SULLIVAN  
*Prerequisite:* Latin 113 or permission of the instructor. *Three or four credit hours.*
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- [251] Roman drama. *Three or four credit hours.*  
 LATIN LITERATURE
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- †[351] Lucretius. *Three or four credit hours.*  
 LATIN LITERATURE
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- \*352 Livy. *Three or four credit hours.*  
 LATIN LITERATURE  
 MR. WESTERVELT
- 
- \*353 Roman elegy and lyrics. *Three or four credit hours.*  
 LATIN LITERATURE  
 MR. SULLIVAN
- 
- [354] Cicero: selected speeches. *Three or four credit hours.*  
 LATIN LITERATURE
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- [355] Roman satire. *Three or four credit hours.*  
 LATIN LITERATURE

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[356] LATIN LITERATURE	Cicero: letters. <i>Three or four credit hours.</i>
[357] LATIN LITERATURE	Horace: <i>Odes</i> and <i>Ars Poetica</i> . <i>Three or four credit hours.</i>
[358] LATIN LITERATURE	Tacitus. <i>Three or four credit hours.</i>
[359] LATIN LITERATURE	Virgil: <i>Eclogues</i> and <i>Georgics</i> . <i>Three or four credit hours.</i>
[371] LATIN LITERATURE	Terence. <i>Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Reading in a field of the student's interest, with essays and conferences. <i>One to three credit hours by prior arrangement.</i>
†[494] SEMINAR	Virgil: <i>Aeneid</i> . <i>Three or four credit hours.</i>

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## Linguistics

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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111j INTRODUCTION TO PHONOLOGICAL THEORY MR. SO	Theory and practice of analyzing the sound system of language. Two weeks of intensive phonetics drills will be followed by lectures on phonemic theory and generative phonology, with take-home exercises. <i>Prerequisite:</i> Two years of college-level language or equivalent. Linguistics 211 desirable but not necessary. <i>Three credit hours.</i>
211 INTRODUCTION TO LINGUISTICS MR. SO	A practical introduction to the methodology and techniques of linguistic science. Phonetics, analysis of grammatical structures, and sound systems of language. Languages of the world: what they are, who speaks them and where, genealogical and typological relatedness. <i>Prerequisite:</i> Successful completion of any intermediate language course or demonstration of equivalent proficiency. <i>Three credit hours.</i>
212 MAN, WOMAN, AND LANGUAGE MR. SO	Human communication and culture. The scope of the course is broad; possible topics include dialects, women's speech, semantics, pragmatics, black English, nonhuman communication, jokes, logic, and lies.

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*Prerequisite:* Linguistics 211 or permission of the instructor. *Three credit hours.*

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RELATED COURSES

Other courses recommended for students interested in linguistics are Biology 377 (Topics in Neurobiology) (q.v.), Biology 378 (Animal Behavior), English 432 (History of the English Language), and Psychology 238 (Psychology of Language).

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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.*  
GREEK MYTH AND LITERATURE  
MR. WESTERVELT

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\*178 Listed as Classics 178 (q.v.). *Two or three credit hours.*  
THE CLASSICS AND ENGLISH  
POETRY  
MR. SULLIVAN

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217j Listed as French 217 (q.v.). *Three credit hours.*  
THE NINETEENTH-CENTURY  
NOVEL IN FRANCE  
MR. BUNDY

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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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227, 228 Listed as Spanish 227, 228 (q.v.). *Three credit hours.*  
LATIN AMERICAN CIVILIZATION  
MS. KRUGH

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†[232] Listed as Classics 232 (q.v.). *Three or four credit hours.*  
GREEK TRAGEDY

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\*234  
THE HEROIC IDEAL IN EARLY  
GREEK POETRY  
MR. WESTERVELT

Listed as Classics 234 (q.v.). *Three or four credit hours.*

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235  
QUÉBEC IN TRANSITION  
MR. WEISS

Listed as French 235 (q.v.). *Three or four credit hours.*

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\*237  
RUSSIAN LITERATURE IN  
TRANSLATION I  
MR. MILLER

Listed as Russian 237 (q.v.). *Three credit hours.*

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\*238  
RUSSIAN LITERATURE IN  
TRANSLATION II  
MR. MILLER

Listed as Russian 238 (q.v.). *Three credit hours.*

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\*276  
DANTE IN TRANSLATION  
MR. MACKAY

Listed as English 276 (q.v.). *Three or four credit hours.*

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\*278  
ITALIAN FICTION AND FILM  
MR. BRANCACCIO

Listed as English 278 (q.v.). *Three credit hours.*

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\*373  
THE DEVELOPMENT OF  
DRAMATIC ART I  
MR. KOONCE

Listed as English 373 (q.v.). *Three credit hours.*

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\*374  
THE DEVELOPMENT OF  
DRAMATIC ART II  
MR. KOONCE

Listed as English 374 (q.v.). *Three credit hours.*

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†[375]  
MODERN DRAMA I

Listed as English 375 (q.v.). *Three credit hours.*

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†[376]  
MODERN DRAMA II

Listed as English 376 (q.v.). *Three credit hours.*

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437 THE LITERATURE OF EXISTENTIALISM MR. MIZNER	Listed as English 437 (q.v.). <i>Three credit hours.</i>
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## Mathematics

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113d LINEAR ALGEBRA FACULTY	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. May not be taken for credit if the student has earned credit for Mathematics 221. Multisectioned. <i>Three credit hours.</i>
121d CALCULUS I FACULTY	Elementary differential and integral calculus. Multisectioned. <i>Three credit hours.</i>
122d CALCULUS II FACULTY	Further study of differential and integral calculus, with selected applications. Multisectioned. <i>Prerequisite:</i> Mathematics 121. <i>Four credit hours.</i>
151j MATHEMATICAL PROGRAMMING MR. GOULET	Emphasis on writing programs to solve mathematical problems not otherwise solvable. <i>Prerequisite:</i> Mathematics 121. <i>Three credit hours.</i>
153j INTRODUCTION TO MATHEMATICAL MODELING MR. SMALL	The application of mathematics to situations other than those associated with the natural sciences; students will become involved in modeling (developing a mathematical description) a wide variety of real life situations. Class time will be divided into three parts: formal instruction in the areas of modeling, graph theory, combinatorics, and problem solving; problem solving and model building in small groups; and presentation of work done in small groups. <i>Two credit hours.</i>
155j MATHEMATICS, ECOLOGY, AND ECONOMICS MR. HAYSLETT	Topics in ecological theory, such as foraging strategies, strategies for mating and raising young, and strategies for resolving conflict with other members of the same species, can fruitfully be viewed in an economic framework (e.g., profit maximization) and require mathematics for their proper formulation and study. The first part of the course will be devoted to forming an understanding of a number of articles from recent research literature. In the second part, each student will write a short research paper on a subtopic of his choice.

*Prerequisite:* Mathematics 122 and Economics 132 or permission of instructor. *Three credit hours.*

221d  
CALCULUS III  
FACULTY

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 for quadratic forms. Multisectioned.

*Prerequisite:* Mathematics 122. *Four credit hours.*

222d  
CALCULUS IV  
FACULTY

Topics in multivariable calculus and a continuation of work in differential equations. Multisectioned.

*Prerequisite:* Mathematics 221. *Four credit hours.*

241d, 242  
ELEMENTARY STATISTICS I AND II  
MR. HAYSLETT AND MR. SKRIEN

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.

*Prerequisite:* Mathematics 121. Mathematics 241: *four credit hours*; 242: *two credit hours.*

\*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.

*Prerequisite:* Mathematics 113 or 121. *Three credit hours.*

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.

*Prerequisite:* Mathematics 222 or permission of the instructor. *Three credit hours.*

312  
TOPICS IN ANALYSIS  
MR. GOULET

A continuation of Mathematics 311. 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.

*Prerequisite:* Mathematics 311. *Three credit hours.*

315 INTRODUCTION TO MATHEMATICAL SYSTEMS MR. GOULET	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 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. SKRIEN	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 MR. SMALL	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 MR. HAYSLETT	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 FACULTY	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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433  
REAL ANALYSIS  
MR. HAMILTON

More advanced topics of calculus and an introduction to real analysis.  
*Prerequisite:* Mathematics 222 and senior standing, or permission of the instructor. *Three credit hours.*

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434  
TOPICS IN ADVANCED  
MATHEMATICS  
INSTRUCTOR

Content may vary from year to year, but topics such as topology, measure theory, functional analysis, or related areas may be considered.  
*Prerequisite:* Mathematics 433. *Three credit hours.*

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491, 492  
INDEPENDENT STUDY  
FACULTY

Independent study in an area of mathematics of particular interest to the student.  
*Prerequisite:* Mathematics major and permission of the department.  
*Two to four credit hours.*

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## Modern Foreign Languages

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411  
TEACHING OF MODERN  
FOREIGN LANGUAGES  
MR. MCINTYRE

Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Counts as three hours in education toward the Maine secondary-school teaching certificate. Conducted in English. Nongraded.  
*Prerequisite:* Two 200-level modern foreign literature courses. *Three credit hours.*

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491, 492  
INDEPENDENT TOPICS IN  
MODERN FOREIGN LANGUAGES  
FACULTY

Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work.  
*Prerequisite:* Permission of the department chairman. *Two to four credit hours.*

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## Music

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091j  
APPLIED MUSIC  
STAFF

Individual instruction for students who wish to devote the month of January to the study of voice or an instrument. Two half-hour lessons weekly, supplemented by individual daily practice, by reading and listening assignments, and by a final performance and research paper. Similar arrangements can be made for students studying off-campus. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. See also Music 155 and 291.

*Prerequisite:* Permission of the department. *Noncredit.*



<p>111d INTRODUCTION TO MUSIC MR. ARMSTRONG, MR. MACHLIN</p>	<p>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 assumed. Cannot be counted toward the music major. <i>Three credit hours.</i></p>
<p>*131 STUDIES IN AMERICAN MUSIC MR. MACHLIN</p>	<p>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. <i>Prerequisite:</i> Music 111 or permission of the instructor. <i>Three credit hours.</i></p>
<p>*134 THE SYMPHONY MR. ARMSTRONG</p>	<p>Representative symphonies from the eighteenth century to the present. Primarily for students not intending to major in music. <i>Prerequisite:</i> Music 111 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[135] 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. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p>
<p>*151d2 MUSIC IN THE LIBERAL ARTS MRS. REUMAN AND OTHERS</p>	<p>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. <i>Three credit hours.</i></p>
<p>153d INTRODUCTION TO MUSIC THEORY MR. ARMSTRONG AND MISS HEINRICH</p>	<p>An introductory survey of the main aspects of music theory and practice, including rhythm, intervals, scales and keys, melody, harmony, and form. Some music reading, creative writing, and analytical studies in various styles and periods are included. Primarily for students not intending to major in music. May not be taken for credit in addition to Music 155 or 171. <i>Three credit hours.</i></p>

155j

INTRODUCTION TO MUSIC  
THEORY

MRS. REUMAN

An introductory survey of the main aspects of music theory and practice, including rhythm, intervals, scales and keys, melody, and rudiments of harmony. Some music reading and creative writing are included. Primarily for students not intending to major in music. Augmented credit available to students who wish to combine their theoretical study with related studies in performance through individual instruction in applied music. For additional information concerning applied music fees and related matters, see the statement following Music 499. May not be taken for credit in addition to Music 155 or 171. *Two or three credit hours.*

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. *Three credit hours.*

172

## MUSIC THEORY II

MR. ARMSTRONG

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. *Three credit hours.*

191, 192

APPLIED MUSIC: INDIVIDUAL  
STUDY

STAFF

Instruction in voice and instruments for qualified students. Possible offerings in 1981-82, depending upon demand, include electronic music, flute, guitar, harpsichord, organ, piano, 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.

*Prerequisite:* Music 153, 155, or 171 (may be taken concurrently) and permission of the department. Flexible credit. *One or two credit hours.*

193, 194

APPLIED MUSIC: ENSEMBLE  
STAFF

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.

*Prerequisite:* Music 153, 155, or 171 (may be taken concurrently) and permission of the department. Flexible credit. *One credit hour.*

211 MUSIC HISTORY I MR. ARMSTRONG	The history of Western music from the Middle Ages to 1750. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i>
216 MUSIC HISTORY II MR. MACHLIN	The history of Western music from 1750 to 1870. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i>
217 MUSIC HISTORY III MR. MACHLIN	The history of Western music from 1870 to the present. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i>
[233] STUDIES IN MEDIEVAL AND RENAISSANCE MUSIC	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. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i>
[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>
[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>
271 MUSIC THEORY III MR. RÉ	A continuation of Music Theory II, covering the elements of harmony. Primarily for music majors. <i>Prerequisite:</i> Music 172. <i>Three credit hours.</i>
272 MUSIC THEORY IV MISS HEINRICH	A continuation of Music Theory III, continuing the study of harmony and including an introduction to chromatic harmony. Primarily for music majors. <i>Prerequisite:</i> Music 271. <i>Three credit hours.</i>
†[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>

291j INDEPENDENT STUDY MR. ARMSTRONG	Individual topics in music theory, history, or composition. Augmented credit either with additional work in the student's topic or with related studies in performance through individual instruction in applied music. For additional information concerning applied music fees and related matters, see the statement following Music 499. <i>Prerequisite:</i> Permission of the instructor. <i>Two or three credit hours.</i>
{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>
*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>
†{378} CONDUCTING	Score reading, studies in basic baton technique. Analysis of works of various periods and application of conducting techniques to stylistic interpretation. <i>Prerequisite:</i> Music 272 and permission of the instructor. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors. <i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i>
*493, [494] SEMINAR IN MUSIC MISS HEINRICH	Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors. <i>Prerequisite:</i> Music 271 and permission of the instructor. <i>Three or four credit hours.</i>
499d MUSIC TEACHING FACULTY	Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Nongraded. <i>Prerequisite:</i> Permission of the department. Flexible credit. <i>Two credit hours.</i>
APPLIED MUSIC	Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. For a list of possible offerings in 1981-82, see Music 191, 192. For information concerning academic credit, see Music 091j, 155j, 191, 192, and 291j. In the case

of Music 091j, a fee of \$75 is charged for on-campus instruction. In the case of Music 155j and 291j, a fee of \$60 is charged to students who elect augmented credit in these courses for individual instruction. In the case of Music 191, 192, a fee of \$150 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$90. A fee of \$20 per semester (or per January) is charged for use of the electronic music center; users are also liable for damage to equipment. Comparable fees are charged for extracurricular instruction in applied music, which is available during both semesters and during January. Fees are payable on the semester bill.

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 students of applied music; consult the chairman.

## Performing Arts

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| <p>111d<br/>THEATER PRODUCTION<br/>MR. WOODY</p>                    | <p>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. <i>Three credit hours.</i></p>   |
| <p>132d1<br/>SCENE DESIGN<br/>MR. WOODY</p>                         | <p>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.<br/><i>Prerequisite:</i> Performing Arts 111 or permission of the instructor. Flexible credit. <i>Three credit hours.</i></p> |
| <p>151j<br/>DANCERS OF THE AVANT-GARDE<br/>MS. MITCHELL-WENTZEL</p> | <p>A review of the radical changes that swept the dance world in the 1960's and 1970's; influences of society and the art community which led to these changes, their longevity, and the forerunners of the movement. Subjects will include "happenings," the Judson Church era, nondance dance, and the philosophies of these new choreographers and their reevaluative attitudes toward dance. <i>Three credit hours.</i></p>   |
| <p>153j<br/>DRAMA IN PERFORMANCE<br/>INSTRUCTOR</p>                 | <p>Supervised student production of a play which will be studied both in its cultural context and as a representative of its kind, emphasizing the interplay between an intellectual command of a text in its context and</p>   |

the problems of presenting a unified idea in actual production. *Three credit hours.*

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†[171]  
ACTING I

Basic techniques of stage performance. Enrollment limited. Flexible credit. *Three credit hours.*

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191, 192  
APPLIED DANCE  
MS. MITCHELL-WENTZEL

Optional credit for participation in Colby Dancers. Interested students should consult the performing arts committee for additional information before registering for credit. May be repeated for additional credit. Enrollment limited. Flexible credit.

*Prerequisite:* Performing Arts 341, 342 (may be taken concurrently) and permission of the performing arts committee. *One credit hour.*

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193, 194  
APPLIED THEATER  
MR. WOODY AND MR. SEWELL

Optional credit for participation in Performing Arts productions. Interested students should consult the performing arts committee for additional information before registering for credit. May be repeated for additional credit. Enrollment limited. Flexible credit.

*Prerequisite:* For actors, Performing Arts 272 or 274 (may be taken concurrently); for technicians, Performing Arts 132 and 231 (may be taken concurrently); all students must obtain permission of the performing arts committee. *One credit hour.*

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221, 222  
THEATER HISTORY  
MR. AZZARETTI

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.*

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231d2  
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 are required.

*Prerequisite:* Performing Arts 111 and permission of the instructor. Flexible credit. *Two credit hours.*

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\*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. <i>Three credit hours.</i>
272d1 ACTING II MR. SEWELL	Theory and technique of stage performance for those with experience in performance. Scenes and short plays. Admission to course based on the presentation of one three-minute scene, prepared and memorized. Auditions will be held the morning of registration. <i>Prerequisite:</i> Permission of instructor. Flexible credit. <i>Three or four credit hours.</i>
*274 PERFORMING THE CLASSICS MR. SEWELL	Diction, style, and interpretation in classical theater. Memorized scene work from one Greek drama, one Shakespearean drama, and from <i>She Stoops to Conquer</i> . <i>Prerequisite:</i> Performing Arts 171 or permission of the instructor. Flexible credit. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> Service class in modern dance or movement and permission of the instructor. Flexible credit. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. Flexible credit unless otherwise stipulated by instructor in writing to registrar. <i>One to four credit hours.</i>
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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001j MEDICAL ETHICS MR. REUMAN, SPONSOR	The relation between science, understood as our effort to learn about nature, and ethics, understood as our effort to learn how to live. The goals of science and medicine and their relationship to the goals of human life. Selected readings and in-depth research paper on a topic of medical ethics (e.g., experimentation on human subjects, organ dona-
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tion, truth telling and confidentiality, care of the dying, genetic engineering) of the student's choice; guest lectures by community professionals. Field placements in local health facilities are encouraged and will be arranged for interested students. Evaluation will be based on the research paper and participation in group sessions. *Noncredit.*

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111d  
CENTRAL PHILOSOPHICAL  
ISSUES: SELF AND SOCIETY  
MR. HUDSON, MR. PARKER

An introduction to philosophy by a consideration of two of its central branches: social and political philosophy and ethics. Some of the issues addressed are: the nature of political power, individual rights, the good society, the nature of morality, and whether there are moral absolutes. These issues are approached through readings from several of the great philosophers of the West, such as Plato, Aristotle, Locke, Rousseau, and Mill. Formerly listed as Philosophy 133. *Three credit hours.*

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114d  
CENTRAL PHILOSOPHICAL  
ISSUES: NATURE AND GOD  
MR. PARKER, MR. HUDSON

An introduction to philosophy by a consideration of three of its central issues: knowledge, reality, and God. Some questions addressed are: how can we obtain knowledge, can we achieve certainty, how can we distinguish between appearance and reality, is it reasonable to believe in God, and how can evil be explained? These issues are approached through readings from several of the great philosophers of the West, such as Descartes, Berkeley, Hume, Aquinas, and Tillich. Formerly listed as Philosophy 134. *Three credit hours.*

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116j  
CENTRAL PHILOSOPHICAL  
ISSUES: THE GOOD LIFE  
MR. MCARTHUR AND  
MR. SWENEY

An introduction to philosophy through an exploration of the theme of the good life in works of philosophy and imaginative literature. Such authors as Plato, Thoreau, Tolstoy, and Arthur Miller will be read. *Three credit hours.*

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118  
CENTRAL PHILOSOPHICAL  
ISSUES: PHILOSOPHY OF LAW  
MR. MCARTHUR

An introduction to philosophy by a consideration of the interrelations between law, philosophy, and logic. Topics will include the nature and foundation of legal systems, the relation of law to morality, the limits of law, punishment, justice, and legal reasoning. *Three credit hours.*

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152d  
LOGIC  
MR. MCARTHUR

The techniques of formal reasoning and their application to argumentation in ordinary language. Formerly listed as Philosophy 112. *Three credit hours.*

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153j  
NONVIOLENCE  
MR. REUMAN

Readings and discussion will focus on the following areas: theoretical considerations and definitions, the nature and advocates of violence, aggression, civil disobedience, Satyagraha, nonviolence and violence in American race relations, violence in American society, international conflict, and conflict resolution. *Three credit hours.*



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- 173j  
INTRODUCTION TO INDIAN  
CULTURE  
MR. HUDSON
- A travel-study course which involves visits to major Indian cultural centers (Delhi, Agra, Jaipur, Aurangabad, Ellora, Ajunta, Poona, and Bombay), and seminars in various aspects of Indian culture (philosophy, religion, sociology, economics, history, politics, and art) conducted at Ahmednagar College by Indian professors from various disciplines. Those desiring basic credit will be expected to participate in all of the activities of the program, to do assigned reading of general works and works related to the discipline of their major or special interest, and to write a substantial paper. Those desiring flexible credits will be expected to produce a journal. *Three credit hours.*
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- \*175  
THE CLASSICAL TRADITION IN  
CHINESE PHILOSOPHY  
MR. ELMAN
- The development of Chinese philosophy in its classical context from antiquity to the fall of the Han empire in 220 A.D., with emphasis on the roles that Confucianism, Taoism, and legalism played in Chinese social, political, religious, and legal thought. Readings from primary sources in translation. *Three credit hours.*
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- \*176  
MEDIEVAL AND EARLY MODERN  
CHINESE PHILOSOPHY  
MR. ELMAN
- The development of Chinese philosophy in its historical context from 220 A.D. to the fall of the Ming dynasty in 1644. Emphasis on the emergence of Chinese Buddhism, Neo-Taoism, and Neo-Confucianism in the premodern period. Readings from primary sources in translation. *Three credit hours.*
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- \*177  
THE PERCEPTION OF THE  
"ORIENT" IN THE WEST  
MR. ELMAN
- Listed as East Asian Studies 175 (q.v.). *Three credit hours.*
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- \*178  
INTRODUCTION TO JAPANESE  
THOUGHT  
MR. ELMAN
- Listed as East Asian Studies 176 (q.v.). *Three credit hours.*
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- 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 or four credit hours.*
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- \*236  
SOCIAL PHILOSOPHY  
MR. REUMAN
- Readings from Plato, Locke, Rousseau, Marx, and others; their relevance to contemporary problems. *Four 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 ax-

iomatic method, the nature of logical and mathematical truth, nominalism and realism, and the relation of logic to philosophy.

*Prerequisite:* Philosophy 152 or permission of the instructor. *Three credit hours.*

†[271]  
PHILOSOPHICAL ANTHROPOLOGY

Studies in the nature and destiny of man. Readings from philosophers, anthropologists, ethologists, sociobiologists, and literary figures. *Three credit hours.*

\*275  
NATURAL PHILOSOPHY AND THE  
PRECISE SCIENCES IN  
TRADITIONAL CHINA  
MR. ELMAN

Listed as East Asian Studies 275 (q.v.). *Three credit hours.*

\*276  
PHILOSOPHICAL FOUNDATIONS  
OF MODERN JAPANESE  
POLITICAL THOUGHT  
MR. ELMAN

Listed as East Asian Studies 276 (q.v.). *Three credit hours.*

[277, 278]  
PHILOSOPHICAL PERSPECTIVES

Interdisciplinary considerations of various topics, involving lecturers from several departments. *Three credit hours.*

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.*

[316]  
METAPHYSICS

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.

*Prerequisite:* One course in philosophy or permission of the instructor. *Three or four credit hours.*

†[317]  
PHILOSOPHY OF SCIENCE

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. *Three credit hours.*

†[318] ETHICS AND GENERAL THEORY OF VALUE	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>
331 HISTORY OF ANCIENT PHILOSOPHY MR. PARKER	Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. <i>Four credit hours.</i>
332 HISTORY OF MODERN PHILOSOPHY MR. REUMAN	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>
333 PHILOSOPHY OF EDUCATION MR. HUDSON	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>
*352 AMERICAN PHILOSOPHY MR. HUDSON	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>
353 CONTEMPORARY ANALYTIC PHILOSOPHY MR. MCARTHUR	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. Readings from such thinkers as Gandhi, Tagore, Ramakrishna, Vivekananda, and Radhakrishnan. <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 332 or permission of the instructor. <i>Four credit hours.</i>

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- †[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.  
*Prerequisite:* One course in philosophy and one course in religion, or permission of the instructor. *Three credit hours.*
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- †[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.  
*Prerequisite:* Philosophy 331. *Three or four credit hours.*
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- \*374d1  
EXISTENTIALISM AND  
PHENOMENOLOGY  
MR. REUMAN
- A survey of the principal thinkers of existential philosophy, with minor attention to phenomenology. Readings will be from such philosophers as the following: Kierkegaard, Nietzsche, Jaspers, Heidegger, Sartre, Buber, and Husserl. Philosophy 359 is a desirable background but is not required. Seminar format.  
*Prerequisite:* One course in philosophy or permission of the instructor. *Four credit hours.*
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- \*391  
PHILOSOPHY SEMINAR  
MR. PARKER
- Seminars in selected areas of philosophy. Fall 1981: "Socrates." The character, teaching, and influence of Socrates, using Plato's earlier Socratic dialogues, Xenophon, Aristophanes, and modern interpretations.  
*Prerequisite:* Philosophy 111 or permission of the instructor. *Three credit hours.*
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- \*392  
PHILOSOPHY SEMINAR  
MR. PARKER
- Seminars in selected areas of philosophy. Spring 1982: "Aristotle's Ethics." A study of Aristotle's ethics, especially his *Nicomachean Ethics*, as contemporarily relevant rather than as antiquarian. Modern commentaries and critical studies will also be used. *Three credit hours.*
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- †[398]  
APPLIED ETHICS
- The interrelationship between moral principles and problem cases as a way of clarifying both theoretical concepts and practical policies. Problem areas to be considered include abortion, euthanasia, civil disobedience, lying, discrimination, and punishment.  
*Prerequisite:* Philosophy 211 or permission of the instructor. *Three credit hours.*
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- 491, 492  
INDEPENDENT STUDY  
FACULTY
- 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.*

494  
 PHILOSOPHY SEMINAR  
 MR. MCARTHUR AND  
 MR. MEEHAN

Seminars in selected areas of philosophy. Spring 1982: "Economics, Law, and Philosophy." A team-taught interdisciplinary seminar which will examine the law from both economic and philosophical perspectives. Among the topics to be covered are justice and equity, property rights, punishment, privacy, and good samaritans.

*Prerequisite:* Economics 132 and one of the following: Philosophy 111, 118, 211, 236, or permission of the instructors. *Three credit hours.*

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## Physical Education

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091j  
 ADVANCED FIRST AID AND  
 BACKCOUNTRY SKILLS I  
 MR. NELSON, SPONSOR

Instruction in emergency care and backcountry skills, taught from the aspect of off-the-road situations, stressing environmental emergencies, improvisation of equipment, and long-term patient care. Topics include equipment, nutrition, orienteering, low-impact camping, snowshoeing, and cross-country skiing. Successful completion of both a practical and a written examination will be necessary for January program credit, and will qualify the student for American Red Cross Advanced First Aid and CPR certification. *Noncredit.*

092j  
 WINTER BACKCOUNTRY  
 SKILLS II  
 MR. NELSON, SPONSOR

After an initial recertification of first aid and review of basic outdoor skills learned in Advanced First Aid and Backcountry Skills I, the course will be divided into three sections: cross-country skiing and orienteering, snowshoeing and emergency bivouac, and winter mountain travel with crampons and ice axes. Within each section, participants will become familiar with equipment and techniques as well as the hazards and injuries associated with each type of winter activity. Most work will take place out-of-doors with a two-day backcountry trip to practice specific techniques, during which students will be called upon to demonstrate emergency techniques. Each student will be expected to maintain a daily natural history and experiential journal. Successful completion of both a practical and written exam will be necessary for January program credit and for recertification in Advanced First Aid and CPR. *Noncredit.*

211, 212  
 COACHING OF TEAM SPORTS  
 AND ADMINISTRATION OF  
 ATHLETICS  
 MR. MCGEE AND OTHERS

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.*

323, 324

PRINCIPLES AND METHODS OF  
PHYSICAL EDUCATION  
MR. MCGEE AND OTHERS

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.*

PHYSICAL EDUCATION  
ACTIVITIES

Activity courses may be taken to fulfill the physical education requirement or as electives. Most activities last one season (one half semester). Exceptions are so noted on transcripts and in materials available from the physical education department. Registration is made through the physical education department. *Noncredit.*

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## Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

\*112

ENERGY AND THE  
ENVIRONMENT  
MR. DUDLEY

Principles and practice of energy generation, transformation and degradation, and the effects of the use of energy in the environment. Emphasis on scientific understanding of current problems in energy, rather than economic or political implications. Lecture and laboratory. Enrollment limited. *Three credit hours.*

121, 122

GENERAL PHYSICS  
MR. METZ, MR. CAMPBELL

A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, optics, relativity, and quantum physics. Physics 211 may serve as a prerequisite for Physics 122. Lecture, laboratory, and discussion.

*Prerequisite:* Mathematics 121 (for 121) and Mathematics 122 (for 122); may be taken concurrently. *Four credit hours.*

151j

PROJECT IN PHYSICS  
MR. METZ

Individual or group work in experimental or theoretical physics.

*Prerequisite:* Permission of the instructor. *Two or three credit hours.*

152

ESSENTIAL ELECTRONICS  
MR. METZ

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.  
*Four credit hours.*

211  
INTERMEDIATE MECHANICS  
MR. DUDLEY

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.

*Prerequisite:* Physics 121 or permission of the instructor, and Mathematics 221 (may be taken concurrently). Open to freshmen with advanced standing in calculus who have had a strong preparation in physics. *Four credit hours.*

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.

*Prerequisite:* Physics 122 and Mathematics 222 (may be taken concurrently). *Four credit hours.*

251d  
INDEPENDENT ELECTRONICS  
MR. METZ

An independent, self-paced course in electronics. May be taken as a sequel to Physics 152 for the further study of digital electronics and computer circuits. Enrollment limited. *One to three credit hours.*

321, 322  
ELECTRICITY AND MAGNETISM  
MR. CAMPBELL, 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, LaGrangian and Hamiltonian Theory, and applications. Lecture and discussion.

*Prerequisite:* Physics 122 and Mathematics 222 or permission of the instructor. *Four credit hours.*

331  
SOLID STATE AND NUCLEAR  
PHYSICS  
MR. METZ

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 or permission of the instructor. *Three credit hours.*

332  
THERMODYNAMICS  
MR. CAMPBELL

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.*

333  
MODERN PHYSICS LABORATORY  
MR. METZ AND MR. CAMPBELL

Experiments in atomic and nuclear physics: fundamental physical constants, radioactivity, diffraction, and atomic and nuclear spectroscopy. Self-paced.

*Prerequisite:* Physics 232 or permission of the instructor. *Three credit hours.*

351, 352  
TUTORIAL IN PHYSICS OR  
ASTRONOMY  
FACULTY

Individual work for juniors or seniors on a subject of joint interest to the student and the instructor, involving close supervision, regular tutorial meetings, and active participation by both student and instructor. Topics in the past have included general relativity, nuclear reactors, fluid mechanics, and topics in astronomy.

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

441, 442  
QUANTUM PHYSICS  
MR. DUDLEY, MR. METZ

First semester: an introduction to the mathematical formulations of nonrelativistic quantum mechanics, including Schroedinger 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 instructor. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.

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

## Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

†[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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- 095j  
 INTERNSHIP  
 MR. PEREZ
- Augusta Mental Health Institute internship program. Participants will reside at A.M.H.I. and work in various wards during the month, attending grand rounds and some staff conferences. Primarily experiential.
- Prerequisite:* Interview with sponsor. *Noncredit.*
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- 111d, 111j  
 INTRODUCTION TO PSYCHOLOGY  
 FACULTY
- An overview of contemporary psychology, introducing concepts and methods current in the field. Multisectioned. *Three credit hours.*
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- 151j  
 MENTAL RETARDATION  
 MR. LESTER
- A detailed study of the history, etiology, diagnosis, and treatment of mental retardation. Consideration will be given to intelligence and intelligence testing, learning and cognitive processes in the mentally retarded, the education and care of the retarded, and the diagnosis and treatment of their emotional and behavioral problems.
- Prerequisite:* Psychology 111 or permission of the instructor. *Two credit hours.*
- 
- 214d  
 RESEARCH METHODS  
 MS. SKOWBO, MR. LESTER
- 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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- 215d, 215j  
 PSYCHOLOGICAL RESEARCH  
 MS. SKOWBO, INSTRUCTOR
- Each student will conduct a research project designed in Psychology 214, utilizing statistical procedures and data analysis techniques acquired in Psychology 214.
- Prerequisite:* Psychology 214 in the immediately preceding semester. *One credit hour.*
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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. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
1[238] PSYCHOLOGY OF LANGUAGE	Selected topics in psycholinguistics, language and thought, the role of linguistic entities in psychological processes, propaganda and persuasion. Will normally include an independent project. <i>Prerequisite:</i> Psychology 111 and permission of the instructor. <i>Three credit hours.</i>
251 PSYCHOLOGY OF PERSONALITY MR. LESTER	Major systematic interpretations and current research in the psychology of personality, with a focus on psychodynamic, behavioristic, and humanistic approaches. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
253 SOCIAL PSYCHOLOGY MR. LESTER	Representative topics in contemporary social psychology: affiliation, social perception, attribution, attraction, aggression, attitudes, cognitive dissonance, conformity, compliance, and group dynamics. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
254 ABNORMAL PSYCHOLOGY MR. LESTER	The dynamics and treatment of abnormal behavior, with emphasis on theoretical approaches, clinical syndromes, and current research. <i>Prerequisite:</i> Psychology 251. <i>Three credit hours.</i>
255d CHILD DEVELOPMENT MR. ZOHNER	Principles of psychological development from conception through pre-adolescence, from a biological, sociocultural, and psychodynamic perspective. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> Psychology 255. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> Psychology 214 and two semester courses in biology, or permission of the instructor. Lecture only: <i>three credit hours</i> ; lecture and laboratory: <i>four credit hours.</i>

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273 SENSATION AND PERCEPTION MS. SKOWBO	The major human senses (vision, audition, somesthesia, taste, smell) studied as physiological systems and as intermediaries between the physical and perceived environments. <i>Prerequisite:</i> Psychology 214 or permission of the instructor. <i>Three credit hours.</i>
†[274] PSYCHOLOGICAL TESTS AND MEASUREMENTS	The theory and problems of psychological measurement, with special emphasis on the construction and application of psychological tests. <i>Prerequisite:</i> Psychology 214 or permission of the instructor. <i>Three credit hours.</i>
*352d1 PSYCHOLOGY OF EXCEPTIONAL CHILDREN MR. ZOHNER	The origins and implications of cognitive, sensory, emotional, and physical handicaps for development will be explored and discussed. Models for intervention and/or remediation at each age level and their developmental outcomes will be examined. <i>Prerequisite:</i> Psychology 255. <i>Three credit hours.</i>
*354 SEMINAR IN CLINICAL PSYCHOLOGY MR. PEREZ	In-depth exploration of selected topics in personality and abnormal psychology. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 254 and permission of the instructor. <i>Three credit hours.</i>
*371 ADVANCED EXPERIMENTAL PSYCHOLOGY MR. ZOHNER	Experimental design and application of inferential statistics. Strongly recommended for those students interested in graduate school. <i>Prerequisite:</i> Psychology 272 or 273 or 274. <i>Three credit hours.</i>
372d1 NEUROSCIENCE SEMINAR MR. YETERIAN	In-depth examination of major issues in physiological and neural psychology. Will include topics such as hemispheric specialization, neural substrates of learning and memory, physiological bases of behavior disorders, drugs and behavior, and psychosurgery. Coverage of topics will be integrative, including both basic research, involving animals, and human clinical data. An independent research topic may be undertaken for augmented credit. <i>Prerequisite:</i> Psychology 272 or permission of the instructor. <i>Three or four credit hours.</i>
†[373] SEMINAR IN VISION	A detailed examination of the characteristics of the human visual system. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 273 and permission of the instructor. <i>Three credit hours.</i>

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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. <i>Prerequisite:</i> Senior standing as a psychology major or permission of the instructor. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i>
494 SENIOR SEMINAR MR. ROHRMAN	An integrative approach to selected problem areas in psychology. Students will be expected to prepare and deliver seminar papers on advanced topics. <i>Prerequisite:</i> Senior standing as a psychology major. <i>Three credit hours.</i>

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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 Judeo-Christian tradition in historical perspective: basic beliefs, institutions, and movements characteristic of successive epochs, and their influence on Western culture. <i>Three credit hours.</i>
171j MODERN MORALS FOR MODERN MEDICINE MR. TODRANK	The central issues in medical ethics, including such traditional problems as contraception, abortion, euthanasia, and the problems resulting from more recent breakthroughs in medical science and technology, including genetic counseling and engineering, in vitro fertilization, fetal experimentation, organ transplantation, biochemical and electronic behavior modification, and the like. <i>Three credit hours.</i>
211 INDIAN RELIGIONS MS. KING	A survey of the religious traditions of India, focusing primarily on Hinduism, Buddhism, Jainism, and Islam. <i>Three credit hours.</i>
212 EAST ASIAN RELIGIONS MS. KING	A survey of the religious traditions of China and Japan, focusing primarily on Buddhism, Taoism, Confucianism, and Shinto. <i>Three credit hours.</i>
214d1 THE BUDDHIST TRADITION MS. KING	The development of Buddhism in India, China, Japan, and Tibet. Buddhism in the modern world. <i>Three credit hours.</i>

215j ZEN BUDDHISM MS. KING	Zen Buddhism: its doctrinal roots and development, the role of meditation, works of the great masters, and its manifestations in Chinese and Japanese culture. <i>Prerequisite:</i> Religion 212 or 214 or permission of the instructor. <i>Three credit hours.</i>
*216 THE HINDU TRADITION MS. KING	A study of Hinduism with consideration of the ancient and classical sources, the proliferation of myths, sects and practices, and contemporary expressions. <i>Three credit hours.</i>
†[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. <i>Three or four credit hours.</i>
233 BIBLICAL LITERATURE I MR. LONGSTAFF	An introduction to the literature of the Hebrew Bible (the Old Testament) in terms of its historical context, its original meaning, and its significance in the contemporary world. The narratives, prophecies, and other literary forms are studied against the background of the history of Israel in order to understand the history and religion of the people for whom this literature became normative scripture. Students desiring augmented credit may concurrently enroll in Religion 353 for two credit hours. Formerly listed as Religion 223. <i>Three credit hours.</i>
234 BIBLICAL LITERATURE II MR. LONGSTAFF	Intended as a sequel to Religion 233; an introduction to the specifically Christian scriptures (the Old Testament Apocrypha and the New Testament). Beginning with the intertestamental period, an exploration of the literature which reflects the background and earliest stages of the Christian movement. Attention is given to the historical and cultural context of the literature, the development of early Christian theology, and its significance for the contemporary world. Students desiring augmented credit may concurrently enroll in Religion 358 for two credit hours. Formerly listed as Religion 224. <i>Three credit hours.</i>
†[254] ISLAM: PAST AND PRESENT	An introduction to Islam, beginning with Muhammad and the Qur'an and exploring the major beliefs, practices, and institutions of this religion. Consideration will be given to the diversity within Islam (e.g., Sunni, Mu'tazilite, Sufi, Shi'ite, etc.) as well as to its general characteristics. Attention will be given both to Islam in its formative period and to Islam in its contemporary Middle Eastern context. <i>Three credit hours.</i>
[277, 278] RELIGIOUS PERSPECTIVES	Interdisciplinary considerations of various topics. <i>Three credit hours.</i>

281, 282 CULTURAL EUTHENICS: A NEW ADAM AND A NEW EDEN MR. TODRANK	First semester: Part I: an analysis of the current environmental-civilization crisis as it relates to the life-style of modern man, and the resulting need for a new "Adam" and a new "Eden." Part II: an analysis of some of the economic, political, ethical, and religious aspects of essential reforms to achieve a new "era" for a new "earth." Second semester: an application of the conclusions of the first semester to the reform of basic institutions in Western culture. Faculty members from various departments participate in panel discussions of the basic issues. <i>Three or four credit hours.</i>
*316 CONTEMPORARY WESTERN THEOLOGY MS. KING	A survey of such major figures as Tillich, Buber, and Bultmann. Consideration of some contemporary expressions. <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 233. <i>Three credit hours.</i>
†[352] THE THEOLOGY OF PAUL	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 234. <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 233. <i>Three credit hours (two credit hours if taken concurrently with Religion 233).</i>
358 JESUS OF NAZARETH MR. LONGSTAFF	An intensive study of the life and teachings of Jesus, employing the methods of gospel study developed in the nineteenth and twentieth centuries. The course will examine the canonical and extracanonical literature about Jesus, including recent studies of these materials. Attention will be given to the importance of the "quest for the historical Jesus" for contemporary Christianity.

*Prerequisite:* Religion 234. *Three credit hours (two credit hours if taken concurrently with Religion 234).*

†[372]  
PHILOSOPHY OF RELIGION

Listed as Philosophy 372 (q.v.). *Three credit hours.*

†[373]  
HISTORY OF MEDIEVAL  
PHILOSOPHY

Listed as Philosophy 373 (q.v.). *Four credit hours.*

391, [392]  
RELIGION SEMINAR  
MR. LONGSTAFF

Fall 1981: "Judaism, Ancient and Modern," an exploration of important developments in Judaism in the late second Temple and Mishnaic periods, concentrating on the beliefs and practices which became normative at this time. Building on this foundation, the course will examine the process leading to the pluralism characteristic of modern Judaism and the issues faced by Judaism in the late twentieth century.

*Prerequisite:* Religion 233 recommended but not required. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

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.*

## Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

001j  
JANUARY IN THE USSR  
MR. MILLER

A comprehensive introduction to the Soviet Union, its culture, and its people. Visits to four cities in the USSR: Moscow and Leningrad, the capitals of Russia; Kiev, the capital of the Ukraine; and Tallin, the capital of Estonia. In each city there will be meetings with Soviet youth, lectures on Soviet life, and other information programs. Excursions to museums and theater visits will increase the students' knowledge of Russian history, literature, and art.

*Prerequisite:* Permission of the sponsor. *Noncredit.*

121, 122  
ELEMENTARY RUSSIAN  
MR. MILLER

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. *Four credit hours.*

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123, 124 INTERMEDIATE RUSSIAN MR. MILLER	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. <i>Prerequisite:</i> Russian 122 or two years of high school Russian and appropriate score on the placement test. <i>Four credit hours.</i>
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†[223, 224] RUSSIAN CULTURE AND CIVILIZATION	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>
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225, 226 ADVANCED RUSSIAN MR. MILLER	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. <i>Prerequisite:</i> Russian 124 or permission of the instructor. <i>Four credit hours.</i>
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*237 RUSSIAN LITERATURE IN TRANSLATION MR. MILLER	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>
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*238 RUSSIAN LITERATURE IN TRANSLATION MR. MILLER	Tolstoy through the Soviet period. Representative works of Tolstoy, Chekhov, Bely Mayakovsky, Sholokhov, Pasternak, and Solzhenitsyn. <i>Three credit hours.</i>
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491, 492 INDEPENDENT STUDY MR. MILLER	Individual readings in areas of the student's major interest. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i>

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## Selected Topics

-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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002j

HUMAN MIGRATION IN AFRICA  
MS. ROSE, SPONSOR

“A Little Theory and Methods: The Use of Social Science in a Developing Setting.” The Republic of Botswana has sponsored a study of human migration. One of the migratory streams is of Botswana men to the mines of South Africa. Information has been collected to assist the government to plan alternative income-generating opportunities and to assess the impact of labor withdrawal on agricultural production. This information also provides a fascinating insight into the dynamics of southern Africa. Focus will be on the issues of mine migration. A research project will be constructed to develop an understanding of these issues. *Noncredit.*

121e, 122

PRINCIPLES OF SOCIOLOGY  
FACULTY

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. Multisectioned. *Three credit hours.*

211, 212

SHORT COURSES IN SOCIOLOGY  
MR. GEIB

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. Four short courses will be offered in 1981-82, each covering one decade of the twentieth century.

*Prerequisite:* Sociology 121, 122, and permission of the instructor. *One or two credit hours per short course.*

231

CONTEMPORARY SOCIAL ISSUES  
MR. DOEL

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, economic and political freedom, poverty and social inequality.

*Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.*

232

HUMAN ECOLOGY  
MR. DOEL

“Panorama”: a study of man’s role in changing the face of the earth from prehistoric to modern times, human origins, the growth of society, civilization, and the formation of the state. Consideration given to the relationship between human society and the ecosystem concept, theory of demographic transition, population growth, and environmental carrying capacity.

*Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.*

†[233]

CRIMINOLOGY

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.

*Prerequisite:* Sociology 121, 122. *Three credit hours.*

237

THE SOCIOLOGY OF CHILD  
DEVELOPMENT

MR. ROSENTHAL

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.

*Prerequisite:* Sociology 121, 122. *Three credit hours.*

[252]

RACE AND MINORITIES

Major problems of race and minority groups, focusing on contemporary United States.

*Prerequisite:* Sociology 121, 122. *Three credit hours.*

[253]

URBAN SOCIOLOGY

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.

*Prerequisite:* Sociology 121, 122. *Three credit hours.*

271

INTRODUCTION TO SOCIOLOGICAL  
RESEARCH METHODS

MS. EDWARDS

Introduction to a variety of research methods employed by sociologists. Topics include problem definition, the logic of inquiry, the relation between theory and research, research design, sampling, and techniques for data collection and analysis.

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

[273]

THE FAMILY

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.

*Prerequisite:* Sociology 121, 122. *Three credit hours.*

274j

SOCIAL STRATIFICATION

MR. DOEL

Using a historical and sociological orientation, this course will examine how man constructs a world of social inequality. Study of past and present stratification systems, their origins, development, and decline. The quest for social equality as the enigma of modern man.

*Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.*

275j SOCIAL SITUATIONS: THEORY AND OBSERVATION MR. MORRIONE	An introduction to issues, problems, and strategies relating to the observation and analysis of human interaction in natural social settings. A social psychological perspective is developed through discussion of first-hand field experience and participant observations in a variety of settings. <i>Prerequisite:</i> Sociology 121 and permission of the instructor. <i>Three credit hours.</i>
276 MEN AND WOMEN IN SOCIETY MS. ROSE	The behaviors expected of people because of their sex and differences in the status of men and women in society will be examined using a sociohistorical perspective. Theories accounting for sex differences will be analyzed, and the consequences of social inequality based on sex in contemporary society will be explored. <i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i>
311d2 HISTORY OF SOCIOLOGICAL THEORY MR. MORRIONE	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:</i> Sociology 121, 122. <i>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:</i> Sociology 121, 122 or permission of the instructor. <i>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:</i> Sociology 121 or permission of the instructor. <i>Three credit hours.</i>
†[316] SPECIAL TOPICS IN SOCIOLOGY	Topics in selected areas of sociology. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
†[318] CONTEMPORARY THEORY	An analysis of the contemporary state of sociology as a discipline. Special attention given to critical theory, phenomenology, ethnomethodology, symbolic interactionism, and existential sociology. <i>Prerequisite:</i> Sociology 121, 122 and permission of the instructor. <i>Three credit hours.</i>
334d1 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.

*Prerequisite:* Sociology 121 and permission of the instructor. *Three credit hours.*

<p>351 INTRODUCTION TO ANTHROPOLOGY MR. DOEL AND MS. MODELL</p>	<p>Historical background of anthropology, areas of specialization within the discipline, and concepts used by anthropologists in the study of nonliterate cultures. Formerly listed as Sociology 361. <i>Three credit hours.</i></p>
<p>352 CULTURAL ANTHROPOLOGY MR. DOEL AND MS. MODELL</p>	<p>Special emphasis on the implications of the social and cultural experiences of nonliterate people for modern society through selected readings in anthropology. Formerly listed as Sociology 362. <i>Prerequisite:</i> Sociology 351 or permission of instructor. <i>Three credit hours.</i></p>
<p>371, 372 PRACTICUM IN SOCIOLOGICAL RESEARCH FACULTY</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>391d2 SOCIAL CHANGE MR. MORRIONE</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</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>

401, 402  
SOCIOLOGY SEMINAR  
MR. GEIB

Major problems of sociology as a science. Much of the work is devoted to individual projects developed from group discussions.

*Prerequisite:* Senior standing and permission of the instructor. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
FACULTY

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.*

## Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 124 are conducted in Spanish. Spanish 142 or permission of the instructor is required for all courses numbered 200 or higher.*

117j  
INTENSIVE SPANISH  
MR. HOLLAND

Students will be enrolled at The Center for Bilingual Multicultural Studies in Cuernavaca, Mexico. Classes in intensive Spanish meet four hours daily (Monday through Friday), and students will be placed according to their previous knowledge of the language. In addition, four two-week minicourses are available, two in Spanish and two in English.

*Prerequisite:* At least one semester of college-level Spanish. *Three credit hours.*

121, 122j, 122d  
ELEMENTARY SPANISH  
FACULTY

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. Multisectioned. *Four credit hours.*

123d, 124j, 124d  
INTERMEDIATE SPANISH  
FACULTY

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. Multisectioned.

*Prerequisite:* Appropriate score on the CEEB Spanish achievement test or Spanish 122 (for 123) or Spanish 123 (for 124). *Four credit hours.*

131, 131j  
CONVERSATION AND  
COMPOSITION  
MS. DOEL, MR. PEREZ-PINEDA

Language review with emphasis on oral expression, written composition, and vocabulary development.

*Prerequisite:* Spanish 124 or appropriate CEEB score. *Three credit hours.*

<p>141, 142 INTRODUCCIÓN AL MUNDO HISPÁNICO MR. CAUZ, MR. HOLLAND</p>	<p>The Hispanic tradition reflected in the works of major figures of Spain and Latin America. <i>Prerequisite:</i> Spanish 124. <i>Three credit hours.</i></p>
<p>227, 228 LATIN AMERICAN CIVILIZATION MS. KRUGH</p>	<p>An introduction to Latin America, its contributions, and its problems. Areas to be studied will include social structure, the family, the role of the Church, political and economic structures, urbanization, and U.S.-Latin American relations. The first semester will deal with pre-Columbian civilizations, discovery and conquest, colonial period, wars of independence, and the general period of political instability through the Mexican revolution. The second semester will deal primarily with the twentieth century and how these problems are reflected in literature. Conducted in English; no knowledge of Spanish required. Does not satisfy the college language requirement. Cannot be counted toward the Spanish major. <i>Three credit hours.</i></p>
<p>232 ADVANCED SPANISH MR. PEREZ-PINEDA</p>	<p>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>Three credit hours.</i></p>
<p>†[255] NINETEENTH-CENTURY SPANISH LITERATURE</p>	<p>Representative works of romanticism and realism. <i>Four credit hours.</i></p>
<p>*256d1 THE GENERATION OF 1898 MR. PEREZ-PINEDA</p>	<p>The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. <i>Four credit hours.</i></p>
<p>†[257] MODERN SPANISH LITERATURE</p>	<p>The literature of twentieth-century Spain through Federico García Lorca. <i>Four credit hours.</i></p>
<p>*258 THE CONTEMPORARY SPANISH NOVEL MR. CAUZ</p>	<p>The Spanish novel after the Spanish Civil War. <i>Four credit hours.</i></p>
<p>261, 262 LATIN AMERICAN LITERATURE MR. HOLLAND, MS. DOEL</p>	<p>First semester: Latin American literature from the colonial period through the nineteenth century. Second semester: literature from the Modernistas through Rómulo Gallegos. <i>Four credit hours.</i></p>

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†[332] CONTEMPORARY LATIN AMERICAN LITERATURE	Authors to be studied will include Carlos Fuentes, García Márquez, and Vargas Llosa. <i>Four credit hours.</i>
†[337] MEDIEVAL 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>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>
†[352] DON QUIJOTE	Study and analysis of <i>Don Quijote de la Mancha</i> . <i>Four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	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>
[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. Spring 1982: Mario Vargas Llosa. <i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i>
499d LANGUAGE TEACHING FACULTY	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>

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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. <i>One to three credit hours.</i>
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## Western Civilization

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491, 492

INDEPENDENT STUDY  
FACULTY

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.*

493, 494

SEMINAR IN WESTERN  
CIVILIZATION  
FACULTY

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.*

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 pre-medical 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 computerized 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.

## ADMINISTRATION

Many Colby graduates enter graduate programs in business, public, and hospital administration at such institutions as Harvard, Stanford, Chicago, Cornell, Wharton, and Amos Tuck. Some enter graduate schools to study more specialized areas of administrative science. Still others begin to pursue administrative careers directly upon graduation, often to return to graduate school at a later time. Seniors interested in a career in administration are urged to take the graduate management admission test, whether they plan to attend graduate school immediately or not. All students interested in business or nonbusiness administrative careers, irrespective of major, are encouraged to consult with the administrative science faculty as early as possible in their college careers.

## 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.

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**EDUCATION**

The committee on professional preparation for careers in education and in related fields advises students on which courses and field experiences would provide the strongest possible liberal arts background (Students must major in at least one academic discipline.) Career guidance and counseling are available from Professors Jacobson and M. Mavrincac, Eustis 203. Early consultation is advisable.

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**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.

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**LAW AND GOVERNMENT SERVICE**

The committee on professional preparation for law and government service advises students preparing for careers in these areas. Prelaw students may major in any field, but they will profit from early consultation with committee members on the courses that provide the strongest possible liberal arts background for the study of law. The law-school admission test is given at the college every year.

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**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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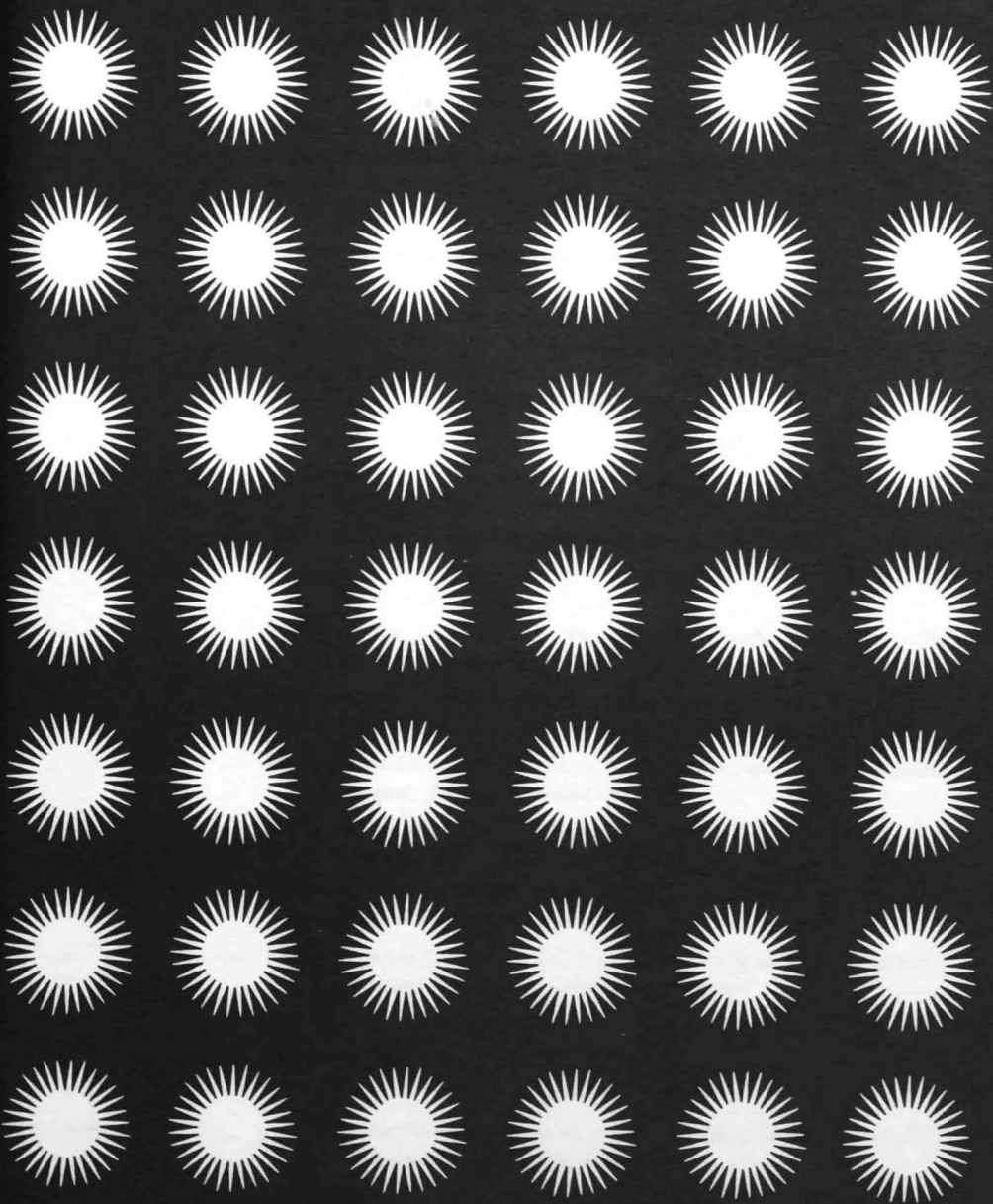
#### THEOLOGY

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.

Members of the department of philosophy and religion, in cooperation with the college chaplain, serve as advisers 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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# The Corporation 1981-82

*Corporate Name* THE PRESIDENT AND TRUSTEES OF COLBY COLLEGE

OFFICERS	<i>President</i>	WILLIAM R. COTTER, J.D.	<i>Waterville, Maine</i>
	<i>Chairman of the Board</i>	ROBERT NEWTON ANTHONY, D.C.S., L.H.D.	<i>Waterville Valley, N. H.</i>
	<i>Vice-Chairman of the Board</i>	ROBERT ALLEN MARDEN, LL.B.	<i>Waterville, Maine</i>
	<i>Vice-President for Academic Affairs and Dean of Faculty</i>	PAUL BRENDEL DORAIN, PH.D.	<i>Waterville, Maine</i>
	<i>Administrative Vice-President</i>	STANLEY A. NICHOLSON, PH.D.	<i>Waterville, Maine</i>
	<i>Vice-President for Development</i>	SIDNEY WEYMOUTH FARR, M.A., M.B.A.	<i>Waterville, Maine</i>
	<i>Secretary</i>	ROBERT HURD KANY, PH.D.	<i>Waterville, Maine</i>
	<i>Treasurer</i>	KARL WILLIAM BROEKHUIZEN, M.B.A. <sup>1</sup>	<i>Vassalboro, Maine</i>

<sup>1</sup>To August 31, 1981.

## BOARD OF TRUSTEES

- ROBERT NEWTON ANTHONY, D.C.S., L.H.D., Waterville Valley, New Hampshire, *Ross Graham Walker Professor of Management Control, Harvard Business School*
- (AL. 1982) SUSAN FAIRCHILD BEAN (MRS. ROBERT), B.A., M.A., Glastonbury, Connecticut
- JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L., LITT.D., SC.D.<sup>1,3</sup>, Jaffrey, New Hampshire, *President Emeritus, Colby College*
- (AL. 1984) ANNE LAWRENCE BONDY (MRS. EUGENE, JR.), B.A., M.A., Mamaroneck, New York, *President, Board of Cooperative Educational Services, Southern Westchester*
- (1985) H. RIDGELY BULLOCK, JR., J.D., Greenwich, Connecticut, *Chairman of the Board and President, UMC Industries, Incorporated*
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- (1985) CLARK HOPKINS CARTER, B.A., L.H.D., Wilton, Connecticut, *Corporate Vice-President Retired, Richardson-Merrell, Incorporated*
- (AL. 1983) WARREN JOHN FINEGAN, B.A., M.A., Wayland, Massachusetts, *Investment Broker, First Commodity Corporation*
- (1983) KEVIN HILL, M.D., Waterville, Maine, *Ophthalmologist*
- (AL. 1984) PHILIP WILLIAM HUSSEY, JR., B.A., M.A., Kennebunkport, Maine, *President, Hussey Manufacturing Company*
- ELLERTON MARCEL JETTÉ, LL.D.<sup>1,2</sup>, Boston, Massachusetts, *Honorary Chairman, C. F. Hathaway Company*

- (1982) KENNETH ALGERNON JOHNSON, M.A., Newton Upper Falls, Massachusetts, *Assistant Headmaster—History, Boston Latin School*
- (1982) GORDON BURR JONES, M.B.A., LL.D., Needham, Massachusetts, *Executive Vice-President, John Hancock Mutual Life Insurance Company*
- (AL. 1983) ROBERT SPENCE LEE, B.A., M.A., Danvers, Massachusetts, *President, Hotwatt, Incorporated*
- (1984) ROBERT ALLEN MARDEN, LL.B., Waterville, Maine, *Attorney, Marden, Dubord, Bernier and Chandler*
- (1983) RITA ANN McCABE, B.A., M.A., Essex, Connecticut, *Program Director Retired, International Business Machines*
- (1985) LAWRENCE CARROLL McQUADE, LL.B., New York, New York, *Senior Vice-President, W. R. Grace & Company*
- (1985) C. DAVID O'BRIEN, B.A., M.A., Yarmouth, Maine, *Partner, H. M. Payson and Company*
- (1985) PAUL DONNELLY PAGANUCCI, J.D., Hanover, New Hampshire, *Vice-President, Dartmouth College*
- (1983) ALBERT CARLTON PALMER, B.A., LL.D.<sup>2</sup>, Stoneham, Massachusetts, *Vice-President Retired, New England Telephone*
- (1985) WILSON COLLINS PIPER, LL.B., LL.D., Boston, Massachusetts, *Attorney, Ropes and Gray*
- FREDERICK ALBERT POTTLE, PH.D., LL.D., LITT.D., L.H.D.<sup>1</sup>, New Haven, Connecticut, *Sterling Professor of English Emeritus, Yale University*
- (AL. 1983) PATRICIA RACHAL, PH.D., Rye, New York, *Assistant Professor of Political Science, Queens College*
- (AL. 1982) ROBERT SAGE, B.A., M.A., Newton, Massachusetts, *President, Sage Motor Hotels*
- (AL. 1982) RICHARD ROBERT SCHMALTZ, B.A., M.A., Darien, Connecticut, *Investment Broker, Morgan Stanley and Company*
- ROBERT EDWARD LEE STRIDER II, PH.D., LL.D., L.H.D., LITT.D., HH.D., D.S. in B.A., D.ED.<sup>1,3</sup>, Waterville, Maine, *President Emeritus, Colby College*
- (1984) ANNE O'HANIAN SZOSTAK (MRS. MICHAEL), B.A., M.A.<sup>4</sup>, Providence, Rhode Island, *Vice-President, Industrial National Bank*
- (1985) SIGRID EMMA TOMPKINS, LL.B., Portland, Maine, *Attorney, Pierce, Atwood, Scribner, Allen, Smith and Lancaster*
- (1983) RALPH SAMUEL WILLIAMS, M.B.A., L.H.D., Southport, Maine, *Administrative Vice-President Emeritus, Colby College*
- FACULTY REPRESENTATIVES (1983) CHARLES WALKER BASSETT, PH.D., Waterville, Maine, *Professor of English*
- (1984) ROBERT PAUL McARTHUR, PH.D., Waterville, Maine, *Associate Professor of Philosophy*



STUDENT (1982) JEFFRA ANN BECKNELL '82, Franklin Lakes, New Jersey  
 REPRESENTATIVES (1982) HELEN PATRICIA DOOLEY '82, Norfolk, Connecticut

<sup>1</sup>Honorary life member.

<sup>2</sup>Former chairman of the board.

<sup>3</sup>Former president.

<sup>4</sup>Served as alumni trustee 1974-80.

## OVERSEERS

- (1984) RICHARD LLOYD ABEDON, Tiverton, Rhode Island, *Chairman, Richard L. Abedon Company*, Visiting Committee on Admissions
- (1984) HAROLD ALFOND, Waterville, Maine, *Chairman of the Board, Dexter Shoe Company*, Visiting Committee on Physical Education and Athletics
- (1984) LEIGH BUCHANAN BANGS, Carmel, Indiana, *Research Leader, Dow Chemical Company*, Visiting Committee on Chemistry
- (1985) CHARLES PUTNAM BARNES II, Cape Elizabeth, Maine, *Attorney, Perkins, Thompson, Hinckley and Keddy*, Trustee Budget and Finance Committee
- (1984) CLIFFORD ALLAN BEAN, Concord, Massachusetts, *Management Consultant, Arthur D. Little, Incorporated*, Trustee Budget and Finance Committee, Visiting Committee on Economics and Administrative Science
- (1984) PATRICIA DOWNS BERGER, Brookline, Massachusetts, *Physician*, Visiting Committee on Biology and Chemistry
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- (1984) WILLIAM LAFRENTZ BRYAN, Orono, Maine, *Associate Director of Admissions, University of Maine at Orono*, Visiting Committee on Student Affairs
- (1984) RALPH JOHNSON BUNCHE, JR., London, England, *Vice-President, Morgan Guaranty Trust, London Branch*, Honorary Chairman, Ralph J. Bunche Scholars Program
- (1985) H. KING CUMMINGS, Guilford, Maine, *Chairman of the Board, Guilford Industries*, Visiting Committee on Geology and Physics
- (1984) AUGUSTINE ANTHONY D'AMICO, Bangor, Maine, *President Retired, Penobscot Paint Company*, Trustee Buildings and Grounds Committee
- (1984) EDITH EILENE EMERY, Haverhill, Massachusetts, *Associate Dean of Students Emeritus, Northeastern University*, Trustee Student Affairs Committee

- (1984) JOHN W. FIELD, SR., Fairfield, Connecticut, *Former Chairman of the Board of Warnaco*, Visiting Committee on Economics and Administrative Science
- (1984) RAE JEAN BRAUNMULLER GOODMAN, Annapolis, Maryland, *Assistant Professor of Economics, United States Naval Academy*, Visiting Committee on Economics
- (1985) RAY BOUTELLE GREENE, JR., Needham, Massachusetts, *President, Ray B. Greene, Jr., and Associates*
- (1985) NISSIE GROSSMAN, Wellesley, Massachusetts, *Chairman of the Board, Grossman's*, Trustee Buildings and Grounds Committee
- (1984) WILLIAM EDWIN HAGGETT, Bath, Maine, *President, Bath Iron Works Corporation*
- (1985) JAMES JEROME HARRIS, Fort Lauderdale, Florida, *Former Chief Executive Officer, Guest Pac Corporation*
- (1985) WALLACE MEREDITH HASELTON, Augusta, Maine, *Chairman of the Board and President, Depositors Corporation*, Trustee Investment Committee
- (1985) BERTRAND WILLIAMS HAYWARD, Waterville, Maine, *President Emeritus, Philadelphia College of Textiles and Science*, Trustee Student Affairs Committee
- (1984) GERALD JAY HOLTZ, Boston, Massachusetts, *CPA, Arthur Andersen and Company*, Trustee Planning Committee
- (1984) SOL HURWITZ, New York, New York, *Senior Vice-President, Committee for Economic Development*, Visiting Committee on Public Affairs
- (1984) EDITH KEMPER JETTÉ, Boston, Massachusetts, *Cofounder, The Friends of Art at Colby*, Visiting Committee on Art
- (1984) BERNARD HARRY LIPMAN, Augusta, Maine, *President, Lipman Brothers, Inc.*
- (1985) DAVID MARVIN MARSON, Dedham, Massachusetts, *President, New Can Company, Inc.*, Trustee Development Committee
- (1984) JOHN H. MCGOWAN, Waterville, Maine, *Former President, Wyandotte Industries*, Trustee Buildings and Grounds Committee
- (1984) KERSHAW E. POWELL, Waterville, Maine, *Dentist*, Visiting Committee on Biology
- (1984) LAWRENCE REYNOLDS PUGH, Reading, Pennsylvania, *President, VF Corporation*, Trustee Nominating Committee
- (1984) JOHN FRANKLIN REYNOLDS, Waterville, Maine, *Chief of Surgery, Mid-Maine Medical Center*, Trustee Student Affairs Committee
- (1984) FREDERICK ALFRED SCHREIBER, Beverly Hills, California, *Management Consultant*, Visiting Committee in the Social Sciences

- (1984) SYLVIA CARON SULLIVAN, Nashville, Tennessee, Trustee Student Affairs Committee
- (1985) WILLIAM OSGOOD TAYLOR, Medfield, Massachusetts, *President and Publisher, The Boston Globe*
- (1984) BARBARA HOWARD TRAISTER, Easton, Pennsylvania, *Associate Professor of English, Lehigh University*, Visiting Committee on English
- (1985) PETER A. VLACHOS, New York, New York, *President, Dreyfus Leverage Fund*, Trustee Investment Committee
- (1984) ELMER CHAPMAN WARREN, Waterville, Maine, *Director of Planning Services Retired, National Life Insurance Company*, Trustee Buildings and Grounds Committee
- (1985) THOMAS JOHN WATSON III, Norwich, Vermont, *Attorney*
- (1984) ESTHER ZISKIND WELTMAN, Cambridge, Massachusetts, *Trustee, Jacob Ziskind Trust for Charitable Purposes*, Trustee Educational Policy Committee
- (1984) ROBERT S. WILLIAM, Los Angeles, California, *President, Western Globe Products, Inc.*
- (1985) CARL ROGER WRIGHT, Skowhegan, Maine, *Attorney*

## OVERSEERS VISITING COMMITTEES

1980-81

- ADMINISTRATIVE SCIENCE AND ECONOMICS December 1-3, 1980 / Mr. Field, chairman / *Administrative Science*: Mr. Bean; Peter B. Vaill, Professor of Human Systems, School of Government and Business Administration, George Washington University, consultant / *Economics*: Mrs. Goodman; Joseph A. Kershaw, Vice-President for Administration and Treasurer, Williams College, consultant.
- CAREER PLANNING February 10-11, 1981 / Mr. Hussey, chairman; Mrs. Szostak<sup>1</sup>; Barbara Lazarus, Director of Career Services, Wellesley College, consultant.
- ENGLISH March 16-18, 1981 / Mrs. Bondy, chairman; Mrs. Traister; Richard Ohmann, Professor of English and Department Chairman, Wesleyan University, consultant.
- BIOLOGY AND CHEMISTRY April 12-14, 1981 / Mrs. Berger, chairman / *Biology*: Dr. Powell; William C. Grant, Jr., Professor of Biology and Department Chairman, Williams College, consultant / *Chemistry*: Mr. Bangs; Leonard K. Nash, Professor of Chemistry, Harvard University, consultant.

<sup>1</sup>Trustee.

# Faculty 1981-82

WILLIAM R. COTTER, J.D. (Harvard), 1979-  
*Professor of Government; President*

PAUL BRUNDEL DORAIN, PH.D. (Yale, Indiana), 1981-  
*Professor of Chemistry and of Physics; Vice-President for Academic Affairs and  
Dean of Faculty*

## EMERITI

JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L., LITT.D.,  
SC.D., 1942-60

*Professor of Philosophy, Emeritus; President, Emeritus*

ROBERT EDWARD LEE STRIDER II, PH.D., LL.D., L.H.D., LITT.D., HH.D.,  
D.S. in B.A., D.ED., 1957-79

*Professor of English, Emeritus; President, Emeritus*

DENNISON BANCROFT, PH.D., 1959-74

*Professor of Physics, Emeritus*

ARCHILLE HENRI BIRON, A.M., 1950-77

*Professor of Modern Languages, Emeritus*

MARJORIE DUFFY BITHER, M.A., 1935-41, 1957-79

*Professor of Physical Education, Emeritus*

PHILIP STEWART BITHER, M.A., 1932-74

*Professor of Modern Languages, Emeritus*

JAMES MORTON CARPENTER, PH.D., 1950-81

*Jetté Professor of Art, Emeritus*

RICHARD CARY, PH.D., 1952-75

*Professor of English, Emeritus*

ALFRED KING CHAPMAN, M.A., L.H.D., 1928-69

*Roberts Professor of English Literature, Emeritus*

WILFRED JAMES COMBELLACK, PH.D., 1948-80

*Professor of Mathematics, Emeritus*

ALICE PATTEE COMPARETTI, PH.D., 1936-73

*Professor of English, Emeritus*

ERMANNO FRANCIS COMPARETTI, PH.D., 1941-74

*Professor of Music, Emeritus*

JACK DONALD FONER, PH.D., February 1969-76

*Professor of History, Emeritus*

ERNEST PARKER JOHNSON, PH.D., 1955-78

*Dana Professor of Psychology, Emeritus*

EARL AUSTIN JUNGHANS, M.S., 1960-72

*Associate Professor of Mathematics, Emeritus*

- RICHARD KNOWLTON KELLENBERGER, PH.D., 1946-76  
*Professor of Modern Languages, Emeritus*
- FLORENCE ELIZABETH LIBBEY, M.S., 1948-71  
*Associate Professor of Library Science, Emeritus*
- E. JANET MARCHANT, M.A., 1940-65  
*Associate Professor of Physical Education, Emeritus*
- ERNEST CUMMINGS MARRINER, M.A., L.H.D., January 1923-60  
*Professor of English, Emeritus; Dean, Emeritus; College Historian*
- LEONARD WITHINGTON MAYO, B.A., S.SC.D., 1966-71  
*Professor of Human Development, Emeritus*
- EARLE ALTON MCKEEN, M.ED., 1955-71  
*Associate Professor of Education, Emeritus*
- GEORGE THOMAS NICKERSON, M.A., 1948-67  
*Dean of Men, Emeritus*
- LUELLA FREDERICKA NORWOOD, PH.D., February 1943-53  
*Professor of English, Emeritus*
- CLIFFORD HAZELDINE OSBORNE, B.A., D.D., 1949-65  
*Professor of Religion, Emeritus; Chaplain, Emeritus*
- ROBERT WHITE PULLEN, PH.D., 1945-81  
*Professor of Economics, Emeritus; Administrative Vice-President, Emeritus*
- WENDELL AUGUSTUS RAY, PH.D., 1938-76  
*Professor of Chemistry, Emeritus*
- EVANS BURTON REID, PH.D., 1954-78  
*Merrill Professor of Chemistry, Emeritus*
- HENRY OTTO SCHMIDT, PH.D., 1946-78  
*Professor of Modern Languages, Emeritus*
- ALLAN CHARLES SCOTT, PH.D., 1951-73  
*Dana Professor of Biology, Emeritus*
- FRANCES FENN SEAMAN, B.MUS., 1957-68  
*Dean of Students, Emeritus*
- ARTHUR WILLIAM SEEPE, M.C.S., 1937-January 1972  
*Associate Professor of Administrative Science, Emeritus; Treasurer, Emeritus*
- GORDON WINSLOW SMITH, M.A., 1930-72  
*Professor of Modern Languages, Emeritus*
- NORMAN SWASEY SMITH, M.ED., 1945-68  
*Associate Professor of Education, Emeritus*
- IRVING DAVID SUSS, PH.D., 1957-80  
*Professor of English, Emeritus*

EDWARD HILL TURNER, B.A., L.H.D., 1953-78

*Vice-President for Development, Emeritus*

RALPH SAMUEL WILLIAMS, M.B.A., L.H.D., 1947-73

*Wadsworth Professor of Administrative Science, Emeritus; Administrative Vice-President, Emeritus*

FACULTY

The faculty is arranged alphabetically. In parentheses are listed colleges and universities from which earned degrees have been received.

CHRISTOPHER STEVENS ALLEN, M.A. (Boston College, Northeastern),  
January-June 1982

*Lecturer in Government*

DONALD BRUCE ALLEN, PH.D. (Fresno State, Illinois), 1967-

*Associate Professor of Geology*

JONATHAN DWIGHT ALLEN, B.A. (Case Western Reserve), 1978-

*Faculty Member without Rank: Director of Computer Services*

DOUGLAS NELSON ARCHIBALD, PH.D. (Dartmouth, Michigan), 1973-

*Professor of English*

JAMES FOSTER ARMSTRONG, PH.D. (Harvard), 1971-

*Professor of Music*

SAMUEL LEIGH ATMORE, M.S. (Pennsylvania State, Simmons), 1977-

*Faculty Member without Rank: Audiovisual Librarian*

NICHOLAS MUZIO AZZARETTI, M.PHIL. (Northwestern, Columbia),  
1981-

*Instructor in Performing Arts and in English*

CAROL HOFFER BASSETT, M.A.<sup>4</sup> (South Dakota), 1974-

*Assistant Professor of Mathematics*

CHARLES WALKER BASSETT, PH.D. (South Dakota, Kansas), 1969-

*Professor of English*

STEVEN ALBERT BAUER, M.F.A. (Trinity, Massachusetts), 1979-

*Assistant Professor of English*

TODD ALLEN BEHR, M.A. (Gettysburg, Lehigh), 1980-

*Instructor in Economics*

RICHARD QUENTIN BELL, JR., B.S. (Delaware), 1978-

*Adjunct Assistant Professor of Physical Education*

ROBERT MARK BENBOW, PH.D. (University of Washington, Yale),  
1950-

*Roberts Professor of English Literature*

MIRIAM FRANCES BENNETT, PH.D. (Carleton, Mount Holyoke,  
Northwestern), 1973-

*William R. Kenan, Jr., Professor of Biology*

- JOEL CHARLES BERNARD, M.A., M. PHIL.<sup>8</sup> (Cornell, Yale), 1980-  
*Assistant Professor of History*
- CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh), 1949-  
*Professor of History*
- ANNIE CHRISTIANE BERTRAND-GUY, PH.D. (Sorbonne, Indiana), 1979-  
*Assistant Professor of Modern Languages (French)*
- ARCHILLE HENRI BIRON, A.M.<sup>5</sup> (Clark, Institut de Phonetique, Paris, Middlebury), 1951-77, 1980-82  
*Professor of Modern Languages, Emeritus; Lecturer in Modern Languages (French)*
- RITA PHYLLIS BOUCHARD, M.A. (Maine, Boston University), 1978-  
*Faculty Member without Rank: Reference Librarian*
- ROGER WILSON BOWEN, PH.D.<sup>3</sup> (Wabash, Michigan, British Columbia), 1978-  
*Assistant Professor of Government*
- PATRICK BRANCACCIO, PH.D. (Brooklyn College, Ohio State, Rutgers), 1963-  
*Professor of English*
- DAVID GORDON BRIDGMAN, PH.D.<sup>7</sup> (Yale, Wisconsin, Harvard), 1955-  
*Associate Professor of History*
- WALTER JOSEPH BROOKS, M.A. (Harvard, Columbia), 1971-  
*Faculty Member without Rank: Associate Dean of Admissions*
- JOHN H. BUBAR, M.B.A., M.S. (Colby, New Hampshire, Southern California), 1981-  
*Assistant Professor of Administrative Science*
- JEAN D. BUNDY, PH.D. (Washington State, Wisconsin), 1963-  
*Dana Professor of French Literature*
- JEANNE BURNETTE, M.L.S. (Maine), January 1979-  
*Faculty Member without Rank: Head Cataloguer, Library*
- MURRAY FRANCIS CAMPBELL, PH.D. (Pennsylvania State, Cornell), 1980-  
*Assistant Professor of Physics*
- HARRY ROWLAND CARROLL, M.A.<sup>2</sup> (New Hampshire), 1964-  
*Associate Professor; Dean of Admissions*
- LAURA M. CARSON, B.A. (Williams), 1981-  
*Adjunct Instructor in Physical Education*
- FRANCISCO ANTONIO CAUZ, PH.D. (Villanova, Middlebury, Rutgers), 1957-  
*Professor of Modern Languages (Spanish)*

ARTHUR KINGSLEY CHAMPLIN, PH.D. (Williams, Rochester), 1971-  
*Associate Professor of Biology*

GREGORY BRUCE CHRISTAINSEN, M.A. (Wisconsin), 1980-  
*Instructor in Economics*

ROBERT EDWARD CHRISTIANSEN, PH.D. (Wayne State, Indiana),  
February 1979-  
*Assistant Professor of Economics*

CATHERINE HERLIHY COCKS, M.A.L.S. (Lake Erie, Michigan), 1980-  
*Faculty Member without Rank: Cataloguer, Library*

J. FRASER COCKS III, PH.D. (Occidental, Michigan), 1975-  
*Faculty Member without Rank: Special Collections Librarian; Acting Director of  
Miller Library, December 1980-August 1981; Lecturer in History*

FREDERICK RUSSELL COLE, PH.D. (Massachusetts, Illinois), 1977-  
*Assistant Professor of Biology*

SUSAN WESTERBERG COLE, M.S. (Knox, Illinois), 1978-  
*Faculty Member without Rank: Science Librarian*

GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas), 1963-  
*Associate Professor; Registrar*

WILLIAM R. COTTER, J.D. (Harvard), 1979-  
*Professor of Government; President*

WALDO HERBERT COVELL, M.ED. (Maine), 1969-  
*Adjunct Assistant Professor of Physical Education*

EILEEN MARY CURRAN, PH.D. (Cornell, Cambridge, Cornell), 1958-  
*Professor of English*

GENE BARTHOLOMEW DELORENZO, B.A. (Colby), 1977-  
*Adjunct Assistant Professor of Physical Education*

PRISCILLA ALLEN DOEL, M.A. (Colby Junior, New York University),  
1965-  
*Associate Professor of Modern Languages (Portuguese and Spanish)*

ROBERT GEORGE DOEL, M.A. (Heidelberg, Kent State), 1965-  
*Assistant Professor of Sociology*

PAUL BRENDEL DORAIN, PH.D. (Yale, Indiana), 1981-  
*Professor of Chemistry and of Physics; Vice-President for Academic Affairs and  
Dean of Faculty*

JOHN MINOT DUDLEY, PH.D. (Massachusetts Institute of Technology,  
California at Berkeley), 1964-  
*Associate Professor of Physics*

THOMAS WILLIAM EASTON, PH.D. (Maine, Brown), 1960-  
*Associate Professor of Biology*



BEATRICE ELIZABETH EDWARDS, PH.D. (Georgetown, Texas, American), 1981-  
*Assistant Professor of Sociology*

BENJAMIN ABRAHAM ELMAN, PH.D. (Hamilton, Pennsylvania), 1980-  
*Ziskind Lecturer in East Asian Studies (Philosophy)*

ROBERT CHAPMAN EWELL, B.A. (Colby), 1978-  
*Adjunct Instructor in Physical Education*

SIDNEY WEYMOUTH FARR, M.A., M.B.A. (Colby, Maine), 1970-  
*Associate Professor; Vice-President for Development*

LEE NATHAN FEIGON, PH.D. (California at Berkeley, Chicago, Wisconsin), 1976-  
*Assistant Professor of History*

CHARLES ANTHONY FERGUSON, PH.D.<sup>2</sup> (Oberlin, Ohio State), 1967-  
*Associate Professor of Modern Languages (French)*

GUY THEOPHILE FILOSOFF, PH.D. (Rollins, Middlebury, Rochester), 1969-  
*Professor of Modern Languages (French)*

DAVID H. FIRMAGE, PH.D.<sup>1</sup> (Brigham Young, Montana), February 1975-  
*Assistant Professor of Biology*

BRUCE EDWARD FOWLES, PH.D.<sup>3</sup> (Brown, California at Berkeley), 1967-  
*Associate Professor of Biology*

FREDERICK H. GAUTSCHI III, M.B.A., PH.D. (U.S. Naval Academy, California State, California at Berkeley), 1981-  
*Assistant Professor of Administrative Science*

FREDERICK ARTHUR GEIB, PH.D. (New Hampshire, Brown, Syracuse), 1955-  
*Professor of Sociology*

HENRY ALBERT GEMERY, PH.D. (Southern Connecticut, Harvard, Pennsylvania), 1961-  
*Dana Professor of Economics*

JAMES MACKINNON GILLESPIE, PH.D. (Harvard), 1951-  
*Professor of Psychology; Associate Dean of Students*

KEMP FREDERICK GILLUM, PH.D.<sup>3</sup> (Illinois, Wisconsin), 1948-  
*Professor of History*

JOHN ANTHONY GOULET, PH.D. (Worcester Polytechnic, Rensselaer Polytechnic), 1976-  
*Assistant Professor of Mathematics*

MICHEL GOULET, M.ED. (New Hampshire, Ohio), 1977-  
*Adjunct Assistant Professor of Physical Education*

HUGH JAMES GOURLEY III, B.A. (Brown), April 1966-  
*Faculty Member without Rank: Director of the Museum of Art*

ARTHUR DAVID GREENSPAN, PH.D. (Columbia, Indiana), 1978-  
*Assistant Professor of Modern Languages (French); Resident Director of Colby in Caen*

KENNETH GEORGE HAMILTON, PH.D. (St. Peter's [N.J.], Rensselaer Polytechnic), 1978-  
*Assistant Professor of Mathematics*

PETER BROMWELL HARRIS, PH.D. (Middlebury, Indiana), 1974-  
*Assistant Professor of English*

CHARLES STEWART HAUSS, PH.D.<sup>2</sup> (Oberlin, Michigan), 1975-  
*Assistant Professor of Government*

HOMER T. HAYSLETT, JR., PH.D. (Bridgewater, Virginia Polytechnic, Dartmouth), 1962-  
*Associate Professor of Mathematics*

ADEL VERNA HEINRICH, A.MUS.D. (Flora Stone Mather, Union Theological, Wisconsin), 1964-  
*Associate Professor of Music*

DOUGLAS RICHARD HILEMAN, PH.D. (Case Western Reserve, Michigan), 1981-  
*Assistant Professor of Biology*

JAN STAFFORD HOGENDORN, PH.D. (Wesleyan, London School of Economics), 1963-  
*The Grossman Professor of Economics*

HENRY HOLLAND, PH.D. (Maine, Harvard, Madrid), 1952-  
*Professor of Modern Languages (Spanish)*

JOHN MICHAEL HOSACK, PH.D. (California Institute of Technology, California at Berkeley), 1981-  
*Assistant Professor of Mathematics*

YEAGER HUDSON, PH.D. (Millsaps, Boston University), 1959-  
*Professor of Philosophy*

JANE HARLOW HUNTER, PH.D.<sup>8</sup> (Yale), 1980-  
*Assistant Professor of History*

JOHN H. INESON, S.T.B.<sup>4</sup> (New Hampshire, Berkeley Divinity School at Yale), 1981-  
*Faculty Member without Rank: Chaplain*

HAROLD ALVIN JACOBSON, ED.D.<sup>3</sup> (Bowling Green, Harvard), 1968-  
*Professor of Education*

ROBERT HURD KANY, PH.D. (Michigan, Pennsylvania State), February 1970-

*Associate Professor of History; Director of Division of Special Programs*

CYNTHIA BAIRD KEATING, M.L.S. (Connecticut, Rhode Island), 1979-  
*Faculty Member without Rank: Reference Librarian*

EDWIN JAMES KENNEY, JR., PH.D.<sup>2</sup> (Hamilton, Cornell), 1968-  
*Associate Professor of English*

SUSAN McILVAINE KENNEY, PH.D.<sup>4</sup> (Northwestern, Cornell), 1968-  
*Assistant Professor of English*

SALLIE BEHN KING, PH.D. (Smith, British Columbia, Temple), 1981-  
*Assistant Professor of Asian Religions*

YVONNE RICHMOND KNIGHT, M.B.A. (Colby, Cornell), 1958-  
*Professor of Administrative Science*

DOROTHY MARIE KOONCE, PH.D. (Cornell, Pennsylvania), 1963-  
*Professor of Classics*

HOWARD LEE KOONCE, PH.D. (Dartmouth, Pennsylvania), 1963-  
*Professor of English*

DONALDSON KOONS, PH.D., SC.D. (Columbia), 1947-  
*Dana Professor of Geology*

THOMAS WARREN KOPP, M.A. (Connecticut), 1978-  
*Adjunct Assistant Professor of Physical Education*

JANIS LYNNE KRUGH, M.A. (Ohio Northern, Toledo [Ohio]), 1979-  
*Instructor in Modern Languages (Spanish)*

HUBERT CHRISTIAN KUETER, PH.D. (Valparaiso, Michigan), 1965-  
*Associate Professor of Modern Languages (German)*

JAY BRIAN LABOV, PH.D. (Miami [Florida], Rhode Island), 1979-  
*Assistant Professor of Biology*

LEWIS FREDERICK LESTER, PH.D.<sup>9</sup> (City University of New York, Connecticut), 1970-  
*Associate Professor of Psychology; Clinical Psychologist*

THOMAS RICHMOND WILLIS LONGSTAFF, PH.D. (Maine, Bangor Theological, Columbia), 1969-  
*Associate Professor of Philosophy and Religion*

PAUL EWERS MACHEMER, PH.D. (Princeton, Pennsylvania), 1955-  
*Merrill Professor of Chemistry*

PAUL STUART MACHLIN, PH.D. (Yale, California at Berkeley), 1974-  
*Assistant Professor of Music*

COLIN EDWARD MacKAY, PH.D. (Brown), 1956-  
*Professor of English*

GEORGE CALVIN MACKENZIE, PH.D. (Bowdoin, Tufts, Harvard), 1978-  
*Assistant Professor of Government*

GEORGE DOUGLAS MAIER, PH.D.<sup>1</sup> (Cornell College, Iowa State), 1965-  
*Associate Professor of Chemistry*

LOUIS SANDY MAISEL II, PH.D. (Harvard, Columbia), 1971-  
*Associate Professor of Government*

PHYLLIS FRANCES MANNOCCHI, PH.D. (Pennsylvania, Columbia), 1977-  
*Assistant Professor of English*

HARRIETT MATTHEWS, M.F.A. (Sullins Junior, Georgia), 1966-  
*Associate Professor of Art*

ALBERT ANTHONY MAVRINAC, PH.D. (Pittsburgh, Harvard), 1958-  
*Dana Professor of Government*

MARILYN SWEENEY MAVRINAC, M.A.<sup>4</sup> (Wellesley, Columbia),  
1963-64, 1967-68, 1969-  
*Assistant Professor of Education and of History*

ROBERT PAUL McARTHUR, PH.D. (Villanova, Temple), 1972-  
*Associate Professor of Philosophy*

KAREN McCORMICK, B.S. (Delaware), 1981-  
*Instructor in Economics*

DEBORAH E. McDOWELL, PH.D. (Tuskegee, Purdue), 1979-  
*Assistant Professor of English*

RICHARD JOHN MCGEE, B.S. in ED. (Maine), 1967-  
*Assistant Professor of Physical Education*

JAMES RICHARD McINTYRE, PH.D. (Michigan State), 1976-  
*Associate Professor of Modern Languages (German)*

JAMES WILLIAM MEEHAN, JR., PH.D. (Saint Vincent, Boston College),  
1973-  
*Associate Professor of Economics*

ROGER NATHAN METZ, PH.D. (Oberlin, Cornell), 1968-  
*Associate Professor of Physics*

FRANK JOSEPH MILLER, PH.D. (Florida State, Indiana), 1978-  
*Assistant Professor of Modern Languages (Russian)*

MARGARET KOONS MILLER, B.A.<sup>4</sup> (Wooster), September 1962-  
January 1963, 1971-  
*Assistant Professor of Art*

WILLIAM BLACKALL MILLER, PH.D. (Harvard, Columbia), 1956-  
*Professor of Art*

CHRISTINE ELIZABETH MITCHELL-WENTZEL, M.A. (Massachusetts,  
Michigan), 1973-  
*Adjunct Assistant Professor of Dance*

JOHN MIZNER, PH.D. (Antioch, Pennsylvania), 1963-  
*Professor of English*

JUDITH SCHACHTER MODELL, PH.D. (Vassar, Columbia, Minnesota),  
1981-  
*Assistant Professor of Anthropology*

THOMAS JACK MORRIONE, PH.D. (Colby, New Hampshire, Brigham  
Young) 1971-  
*Associate Professor of Sociology*

JANE MERYL MOSS, PH.D. (Wellesley, Yale), 1979-  
*Assistant Professor of Modern Languages (French)*

RICHARD JAMES MOSS, PH.D. (Michigan State), 1978-  
*Assistant Professor of History*

JOE DAVID MOUNT, M.A., M.L.S. (Wake Forest, Ohio, Indiana),  
December 1979-  
*Faculty Member without Rank: Acquisitions Librarian*

SUANNE WILSON MUEHLNER, M.L.S., M.B.A. (California at Berkeley,  
Simmons, Northeastern), 1981-  
*Faculty Member without Rank: Director of the Colby Libraries*

BARBARA KUCZUN NELSON, M.A.<sup>4</sup> (Colby, Middlebury), 1978-  
*Lecturer in Modern Languages (Spanish)*

CARL E. NELSON, M.ED. (Boston University, Maine), November 1967-  
*Adjunct Assistant Professor of Physical Education; Director of Health Services*

THOMAS ALLEN NEWTON, PH.D. (Hobart, Bucknell, Delaware), 1978-  
*Assistant Professor of Chemistry*

STANLEY A. NICHOLSON, PH.D. (Montana, Duke), 1981-  
*Professor of Economics; Administrative Vice-President*

AUGUSTINE (AUSTINE) S. O. OKWU, PH.D. (Fourah Bay [Sierra Leone],  
Southern Connecticut, Columbia), 1981-  
*Assistant Professor of Black Studies*

PATRICIA ARNOLD ONION, PH.D.<sup>4</sup> (Connecticut College, Harvard),  
1974-  
*Lecturer in English*

FRANCES M. PARKER, M.S.L.S.<sup>2</sup> (Harpur, Columbia), August 1974-  
*Faculty Member without Rank: Assistant Director for Public Services, Library*

FRANCIS HOWARD PARKER, PH.D. (Evansville, Indiana, Harvard),  
1971-  
*Dana Professor of Philosophy*

HAROLD PAYSON III, PH.D.<sup>5</sup> (Harvard, Fletcher School of Law and  
Diplomacy), 1979-  
*Assistant Professor of Economics*

PAUL POWERS PEREZ, PH.D.<sup>9</sup> (U.S. Coast Guard Academy, New York University), February 1960-

*Professor of Psychology; Clinical Psychologist*

FEDERICO A. PEREZ-PINEDA, PH.D. (Pennsylvania State), 1980-

*Assistant Professor of Modern Languages (Spanish)*

HAROLD RICHARD PESTANA, PH.D. (California, Iowa), 1959-

*Associate Professor of Geology*

DEBORAH ANN PLUCK, B.S. (Slippery Rock), 1979-

*Adjunct Instructor in Physical Education*

HAROLD BRADFORD RAYMOND, PH.D. (Black Mountain, Harvard), 1952-

*Professor of History*

PETER JOSEPH RÉ, M.A. (Yale, Columbia), 1951-

*Professor of Music*

DOROTHY SWAN REUMAN, M.A.<sup>4</sup> (Wooster, Wisconsin), 1961-64, 1966-

*Associate Professor of Music*

ROBERT EVERETT REUMAN, PH.D. (Middlebury, Pennsylvania), 1956-

*Professor of Philosophy*

JOHN FRANCIS REYNOLDS, PH.D.<sup>1</sup> (Tufts, Virginia), 1978-

*Assistant Professor of Modern Languages (German)*

LAURENCE DALE RICHARDS, M.B.A., PH.D. (Maine, West Florida, Mississippi State, Pennsylvania), 1980-

*Assistant Professor of Administrative Science*

NICHOLAS LEROY ROHRMAN, PH.D. (Butler, Miami [Ohio], Indiana), 1977-

*Professor of Psychology*

SONYA ORLEANS ROSE, PH.D. (Antioch, Northwestern), 1977-

*Assistant Professor of Sociology; Associate Dean of Faculty*

JONAS OETTINGER ROSENTHAL, M.A. (Swarthmore, North Carolina), 1957-

*Associate Professor of Sociology*

IRA SADOFF, M.F.A.<sup>1</sup> (Cornell, Oregon), 1977-

*Associate Professor of English*

JEAN MARIE SANBORN, PH.D.<sup>4</sup> (Mount Holyoke, Harvard, Union for Experimenting Colleges and Universities), 1976-

*Lecturer in English*

- RICHARD CRITTENDEN SEWELL, M.A., 1974-  
*Adjunct Assistant Professor; Director of Powder and Wig*
- THOMAS WAYNE SHATTUCK, PH.D. (Lake Forest, California at Berkeley), 1976-  
*Assistant Professor of Chemistry*
- DAVID LAWRENCE SIMON, PH.D. (Boston University, London), 1981-  
*Associate Professor of Art*
- DIANE CAROL SKOWBO, PH.D.<sup>3</sup> (Miami [Ohio], Brandeis), 1974-  
*Assistant Professor of Psychology*
- DALE JOHN SKRIEN, PH.D. (St. Olaf, Washington), 1980-  
*Assistant Professor of Mathematics*
- DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas, Connecticut), 1968-  
*Associate Professor of Mathematics*
- EARL HAROLD SMITH, B.A. (Maine), 1970-  
*Associate Professor; Dean of Students*
- WAYNE LEE SMITH, PH.D.<sup>1</sup> (Hartwick, Pennsylvania State), 1967-  
*Associate Professor of Chemistry*
- CHUNG SO, M.A. (International Christian University [Tokyo], Princeton), 1978-  
*Assistant Professor of Modern Languages (Chinese and Japanese)*
- JEFFREY STEVEN SOLOMON, B.A. (Bowdoin), February 1981-December 1981  
*Lecturer in Mathematics*
- LEANNE H. STAR, M.A.<sup>4</sup> (California at Berkeley, Chicago), 1979-  
*Lecturer in English*
- SARAH MEHLHOP STRONG, M.A.<sup>4</sup> (Oberlin, Chicago), 1980-  
*Lecturer in Modern Foreign Languages (Japanese)*
- DAVID STARK SULLIVAN, B.A. (Pomona), 1981-  
*Taylor Lecturer in Classics*
- JOHN HALE SUTHERLAND, PH.D. (Swarthmore, Pennsylvania), 1951-  
*Professor of English; Editor of Colby Library Quarterly*
- JOHN ROBERT SWENEY, PH.D. (Colorado College, Claremont, Wisconsin), 1967-  
*Associate Professor of English*
- ROBERT LEE TERRY, PH.D.<sup>2</sup> (Earlham, Pennsylvania), 1952-  
*Professor of Biology*
- THOMAS HARRY TIETENBERG, PH.D. (U.S.A.F. Academy, University of the East in the Philippines, Wisconsin), 1977-  
*Associate Professor of Economics*

- GUSTAVE HERMAN TODRANK, PH.D. (DePauw, Boston University), 1956-  
*Professor of Philosophy and Religion*
- ORIEN LEE TULP, PH.D. (Vermont), 1981-  
*Visiting Associate Professor of Chemistry*
- GAIL RUTH WALKER, PH.D.<sup>1</sup> (Wells, Indiana), 1978-  
*Assistant Professor of Mathematics*
- NEWELL E. WARDE, PH.D.\* (Hamilton, Massachusetts), 1981-  
*Lecturer in Modern Languages (German)*
- ROBERT STEPHEN WEISBROT, PH.D. (Brandeis, Harvard), 1980-  
*Assistant Professor of History*
- JONATHAN MARK WEISS, PH.D. (Columbia, Yale), 1972-  
*Associate Professor of Modern Languages (French)*
- GUENTER WEISSBERG, J.D., PH.D. (New York University, Columbia Law, Columbia), 1965-  
*Professor of Government*
- GINA S. WERFEL, M.F.A. (Kirkland, Columbia), 1980-  
*Assistant Professor of Art*
- JAMES BENJAMIN WESCOTT, M.S. (Plymouth State, Indiana), 1978-  
*Adjunct Assistant Professor of Physical Education*
- DAVID SCOTT WESTERMAN, PH.D.\* (Allegheny, Lehigh), 1980-  
*Assistant Professor of Geology*
- PETER WESTERVELT, PH.D. (Harvard), 1961-  
*Professor of Classics*
- JOHN DAVID WESTLIE, PH.D. (New College, Minnesota, Yale), 1981-  
*Assistant Professor of Modern Languages (French)*
- RICHARD LATHAM WHITMORE, JR., M.ED. (Bowdoin, Maine), 1970-  
*Adjunct Assistant Professor of Physical Education*
- STEPHEN RICHARD WOODY, M.F.A. (California State, Yale), 1976-  
*Adjunct Assistant Professor; Technical Director for Performing Arts*
- EDWARD HARRY YETERIAN, PH.D. (Trinity, Connecticut), 1978-  
*Assistant Professor of Psychology*
- GLENN DORIN ZOHNER, PH.D. (Brigham Young, Massachusetts), 1963-66, 1969-  
*Associate Professor of Psychology*
- LUCILLE PINETTE ZUKOWSKI, M.A. (Colby, Syracuse), 1943-  
*Professor of Mathematics*
- WALTER HENRY ZUKOWSKI, PH.D. (Clark), 1952-  
*Wadsworth Professor of Administrative Science*



<sup>1</sup>On leave full year 1981-82.

<sup>2</sup>On leave first semester 1981-82.

<sup>3</sup>On leave second semester 1981-82.

<sup>4</sup>Part-time 1981-82.

<sup>5</sup>Part-time first semester 1981-82.

<sup>6</sup>Part-time second semester 1981-82.

<sup>7</sup>On medical leave.

<sup>8</sup>Professors Bernard and Hunter share a joint appointment.

<sup>9</sup>Teaches part-time in psychology department; serves part-time as clinical psychologist in the Student Health Center.

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SITING TUTORS  
APPLIED MUSIC

NORMAN BALABAS

*Concertmaster*

JUDITH CORNELL, B.A. (California at Santa Barbara)

*Voice*

CARL DIMOW

*Guitar*

THOMAS HOFFMANN, M.M. (Syracuse)

*Classical Guitar*

MARK LEIGHTON, M.A. (New England Conservatory)

*Classical Guitar*

ADRIAN LO, M.M. (Indiana, Smith)

*Electronic Music, Violin, and Viola; Director of Colby Band*

MARION McVEA

*Piano*

JEAN ROSENBLUM, B.A. (Oberlin)

*Flute*

WILLIAM WALLACE, B.M. (Oberlin)

*Piano*

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RSHALS

YVONNE RICHMOND KNIGHT, M.B.A.

*College Marshal*

FRANCISCO ANTONIO CAUZ, PH.D.

THOMAS WILLIAM EASTON, PH.D.

G. CALVIN MACKENZIE, PH.D.

*Assistant College Marshals*

STANLEY A. NICHOLSON, PH.D.

*Platform Marshal*

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ISTANTS

BETSY CHAMPLIN, B.A.

*Assistant, Biology*

ISABELLE-CLAUDE GUILLIERY, B.A.

*Assistant, French*

JEAN MCINTYRE, B.A.

*Assistant, Chemistry*

BIRGIT ROCKSTEDT, PH.D.

*Assistant, German*

WILLIAM M. TIERNAN, B.A.

*Assistant, Physics*

FACULTY APPOINTED FOR 1980-81  
AFTER THE ANNUAL CATALOGUE  
WAS PUBLISHED

ARCHILLE HENRI BIRON, A.M.<sup>1</sup> (Clark, Institut de Phonetique, Paris, Middlebury), 1951-77, 1980-81

*Professor of Modern Languages, Emeritus; Lecturer in Modern Languages (French)*

KAREN LOUISE FRESCO, M.A.<sup>1</sup> (Carleton, Indiana), 1980-81

*Lecturer in Modern Languages (French)*

MERRILL VARGO HUNT, PH.D.<sup>2</sup> (Cornell), 1980-81

*Lecturer in English*

KATHARYN L. LIEBEN, M.A. (S.U.N.Y. at Brockport, S.U.N.Y. at Albany), 1980-81

*Instructor in Sociology*

DAVID HORTON MILLS, M.A.<sup>3</sup> (Colby, Illinois, Harvard), 1980-81

*Lecturer in English*

THOMAS CHARLES PIERSON, M.A. (Pennsylvania State), 1980-81

*Instructor in History*

<sup>1</sup>Part-time first semester 1980-81.

<sup>2</sup>Part-time second semester 1980-81.

<sup>3</sup>Part-time 1980-81.

COLLEGE COMMITTEES  
1980-81

The president of the college, and in his absence the acting dean of faculty, 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 Cotter / Vice-President Pullen / Acting Dean of Faculty Rose / Professors Weiss ('81), Longstaff ('82), Walker ('83) / Dean of Students Smith / Assistant to the President Dyer / Registrar Coleman, secretary, nonvoting / three students: Ms. Pniewski, Messrs. Ballotti, Gordy.

ADMISSIONS Acting Dean of Faculty Rose / Professors Dudley ('81), Armstrong ('82), Cocks ('83), Machlin ('83) / Vice-President Pullen / Dean of

Students Smith / Dean of Admissions Carroll, nonvoting / four students: Ms. Riley, Messrs. Cutler, Gibson, Neville / one nonvoting alumnus: Mr. Collins.

**ATHLETICS** Professors Machemer ('83), McIntyre ('81), Maisel ('82) / Director of Athletics McGee / Assistant Director for Women's Athletics DeLorenzo / three students: Mses. Becknell, Bruen, Mr. Carr / one nonvoting alumnus: Mr. O'Halloran.

**BOOKSTORE** Professors J. Goulet ('83), Skowbo ('81), Dudley ('82) / Bookstore Manager Fair / Treasurer Broekhuizen / two students: Messrs. Schofield, McLaughlin.

**EDUCATIONAL POLICY** Acting Dean of Faculty Rose / Professors Meehan, Parker, Skowbo ('81), Archibald ('81), Fowles ('81), McIntyre ('82), R. Moss ('82), Newton ('82) / two students appointed by the president: Ms. Hallee, Mr. Marcus / three students selected by the Student Association: Messrs. Curseadan, Ryan, Wolf / without vote: Associate Dean of Students Gillespie, secretary; Acting Director of the Library Cocks; alumna Mrs. Abbott.

**FINANCIAL AID** Vice-President Pullen / Deans Gillespie, Carroll / Treasurer Broekhuizen / Director of Financial Aid Weaver / Professors Bennett ('81), Brancaccio ('82), D. Allen ('82), Hogendorn ('83) / four students: Messrs. Freeman, McKeon, Simon, Trimble / one nonvoting alumna: Mrs. Dewitt.

**FINANCIAL PRIORITIES** Vice-President Pullen / Acting Dean of Faculty Rose / Professors Raymond ('81), Dudley ('82), S. Kenney ('83) / three students: Ms. Sondergeld, Messrs. Maley, Raiche / one nonvoting alumnus: Mr. Adams.

**FOREIGN STUDY AND  
STUDENT EXCHANGE PROGRAMS**

*Policy Review and  
Accrediting Committee* Professors Cauz, Reynolds, Champlin, Newton, Hogendorn, Hauss / Registrar Coleman / Assistant to the Dean of Faculty Kiralis / Dean of Admissions Carroll / Director of Financial Aid Weaver / Acting Dean of Faculty Rose / four students: Mses. Haussman, Zimmermann, Messrs. Hasty, Weissmann.

*Study Abroad and  
Exchange Program Advisors* Professors Cauz, Filosof, Champlin, Reynolds, MacKay, Rosenthal, So / Registrar Coleman / Assistant to the Dean of Faculty Kiralis / Dean of Admissions Carroll / Director of Financial Aid Weaver.

**INDEPENDENT MAJOR BOARD** Acting Dean of Faculty Rose / Professors D. Allen ('81) (on leave semester one), Firmage (semester one), Morrione ('81), McIntyre ('81), Mackenzie ('82), F. Miller ('82), Pestana ('82) / two students: Ms. Pniewski, Mr. Schofield.

- JANUARY PROGRAM** Professors Shattuck, Sweney ('81), M. Mavrinac ('82), Cole ('83) / Assistant to the Dean of Faculty Kiralis / three students: Ms. Perry, Messrs. Baker, Wald.
- LIBRARY** Professors Sadoff ('81), M. Mavrinac ('81), Metz ('82), Hamilton ('83) / Acting Director of the Library Cocks / three students: Meses. Howland, Paul, Mr. Lyons.
- SENIOR SCHOLARS** Professors W. Miller, Hudson ('81), Armstrong ('82), W. Smith ('83) / one student: Ms. Howland.
- STUDENT AFFAIRS** Professors Newton ('83), Morrione ('81), R. Moss ('81), F. Miller ('82), McDowell ('82), F. R. Cole ('83) / Dean of Students Smith, ex officio / four students appointed by the Student Association: Meses. French, Reinhalter, Messrs. Emery, McLaughlin / two students appointed by the president: Ms. Sondergeld, Mr. Silk.

## FACULTY COMMITTEES

1980-81

- ADVISORY COMMITTEE ON FACULTY PERSONNEL POLICIES** Professors Holland, McArthur, Hogendorn ('81), E. Kenney ('82), Dudley ('83) / Acting Dean of Faculty Rose.
- APPEALS BOARD<sup>1</sup>** Professors Brancaccio ('82), Paul ('81), Mackenzie ('83).
- GRADUATE SCHOLARSHIP** Professors Charles Bassett, McIntyre, D. Reuman, Walker, W. Smith, Hauss, Tietenberg, Skowbo, Curran, Mannocchi, Mackenzie / Acting Dean of Faculty Rose / Assistant to the Dean of Faculty Kiralis / Director of Career Planning Hickson.
- GRIEVANCE** Professors Geib ('81), F. R. Cole ('82), E. Kenney ('83).
- HEARING COMMITTEE FOR DISMISSAL PROCEEDINGS** (Chairman to be elected by the committee.) Professors Brancaccio ('81), Berschneider ('81) (on leave semester two), Koons ('81), Charles Bassett ('81), Skowbo ('81), E. Kenney ('82), Yeterian ('82), Dudley ('82), L. Zukowski ('82) (on leave semester two), R. Reuman ('82), Benbow ('83), Meehan ('83), Champlin ('83), Rohrman ('83), Tietenberg ('83).
- NOMINATING** Professors Mizner, Gemery, Champlin, Skowbo, Shattuck.
- PROMOTION AND TENURE** Benbow, Armstrong ('81), Perez ('81), Hayslett ('81), Brancaccio ('82), R. Reuman ('82), Easton ('82), Charles Bassett ('83), Gemery ('83), Champlin ('83).
- REMEMBRANCE** Professors D. Reuman, Easton / Associate Dean of Students Gillespie.
- RESEARCH, TRAVEL, AND SABBATICAL LEAVES** Acting Dean of Faculty Rose / Vice-President Pullen / Professors Champlin, Gemery, Mizner.

STANDING Professors Knight, Benbow, Bennett / Acting Dean of Faculty Rose / Registrar Coleman / Dean of Students Smith.

<sup>1</sup>As described in Article v, "Student Judiciary," of *The Student Handbook*.

## OTHER COMMITTEES

1980-81

- ADVISORY COMMITTEE ON FOREIGN STUDENT ADMISSIONS Professors Holland, Weiss, Easton / Dean of Admissions Carroll / Registrar Coleman / nonvoting: Director of Financial Aid Weaver.
- ADVISORY COMMITTEE ON INVESTMENT RESPONSIBILITY Professors Tietenberg, Whitmore / Vice-President Pullen / two alumni representatives: Messrs. Jolovitz, Bernier.
- ADVISORY COMMITTEE ON LIBRARY CONSTRUCTION Professors Armstrong, W. Smith, Sadoff, Maisel / Acting Dean of Faculty Rose / four students: Mses. Rudolph, Samaras, Messrs. Higgins, Scott.
- ADVISORY COMMITTEE ON SPECIAL COLLECTIONS (LIBRARY) Professors Pestana, Labov, Curran / Acting Director of the Library and Special Collections Librarian Cocks / Acting Dean of Faculty Rose.
- ADVISORY COMMITTEE ON USE OF ANIMAL SUBJECTS IN RESEARCH Professors Champlin, Bennett, Rohrman, Yeterian / Acting Dean of Faculty Rose / one alumnus: Mr. Orloff, D.V.M.
- ADVISORY COMMITTEE ON USE OF HUMAN SUBJECTS IN RESEARCH Professors Easton, Lester, Maisel, Morrione, Skowbo / Acting Dean of Faculty Rose.
- AFFIRMATIVE ACTION Professors Walker ('81), Bowen ('81), Weiss ('82) / Assistant Director of the Library for Public Services Parker ('82) / Assistant Dean of Admissions Alway ('82) / Custodian Mercier ('82) / Mark Sawyer, food service ('81) / Secretary to Director of Planned Giving McCaslin ('82) / one student: Ms. Zavotsky.
- RALPH BUNCHE SCHOLARS Ralph T. Bunche, Jr., honorary chairman / Dean of Admissions Carroll / Trustee Johnson / Director of Financial Aid Weaver / Director of Intercultural Activities Jordan / Professors McDowell, Rosenthal, Brancaccio.
- COMMITTEE TO FUND STUDENTS' SPECIAL PROJECTS Acting Dean of Faculty Rose / Professors Maier, Skowbo, Sadoff / one student: Ms. Pizzurro.
- COMMUNICATIONS Assistant to the President Dyer / Vice-President Farr / Acting Dean of Faculty Rose / Dean of Students Smith / Director of Alumni Relations and Annual Giving Williamson / College Editor Crilly / Professor Charles Bassett.
- COMPUTER Professors Maisel, Metz, Shattuck, Firmage, Morrione, Rohrman / Vice-President Pullen / Acting Dean of Faculty Rose / Acting

Director of the Library Cocks / Director of Computer Services Allen /  
Treasurer Broekhuizen / Systems Programmer Cooley / two students:  
Mes. Breton, Jacques.

## GRANTS

*Humanities* Professors Mizner, Armstrong, Brancaccio, Carpenter, Holland,  
Hudson, D. Koonce, Raymond / Acting Dean of Faculty Rose / Vice-  
President Pullen.

*Natural Sciences* Professors Champlin, Bennett, Koons, Metz, Machemer, L. Zukow-  
ski / Vice-President Pullen.

*Social Sciences* Professors Gemery, Jacobson, Knight, A. Mavrinac, Morrione,  
Rohrman / Acting Dean of Faculty Rose / Vice-President Pullen.

INTERDISCIPLINARY STUDIES Professors Tietenberg, Charles Bassett, Brancaccio, So, Hudson, D.  
Koonce, Weiss, H. Koonce / Acting Dean of Faculty Rose.

LIPMAN LECTURE Professors Longstaff, Jacobson, Maisel, Weisbrot, Weissberg / Acting  
Dean of Faculty Rose / Assistant to the President Dyer / Vice-  
President Farr / Acting Director of the Library Cocks / one student:  
Ms. Sapers.

PERFORMING ARTS Professors H. Koonce, Brancaccio, Mitchell-Wentzel, Sewell, Woody,  
Machlin, Weiss / two students: Ms. Ellis, Mr. Worster.

## PROFESSIONAL PREPARATION

*Law and Government Service* Acting Dean of Faculty Rose / Director of Career Planning Hick-  
son / Assistant to the Dean of Faculty Kiralis / Professors Mackenzie,  
Haus, Maisel, Metz, Meehan, Tietenberg.

*Medical and Dental* Professors Maier, Bennett, Metz, Terry, Yeterian / Acting Dean of  
Faculty Rose / Director of Career Planning Hickson.

REGIONAL STUDIES Professors Weiss, Charles Bassett, Bennett, Brancaccio, Koons, W.  
Miller, Rosenthal, Tietenberg.

# Administration 1981-82

PRESIDENT, William R. Cotter, J.D.

ASSISTANT TO THE PRESIDENT, Richard N. Dyer, B.A.

DIRECTOR OF THE NEWS BUREAU, Peter J. Kingsley, M.A.

DIRECTOR OF PUBLICATIONS, Donald E. Sanborn, Jr., B.A.

PUBLICATIONS ASSISTANT, Martha F. Shattuck, B.A.

COLLEGE EDITOR, To be appointed

VICE-PRESIDENT FOR ACADEMIC AFFAIRS AND DEAN OF FACULTY, Paul B. Dorain, PH.D.

ASSOCIATE DEAN OF FACULTY, Sonya O. Rose, PH.D.

ADMINISTRATIVE ASSISTANT TO THE DEAN OF FACULTY, Alice E. Poirier

ASSISTANT TO THE DEAN OF FACULTY, Elizabeth Kiralis, M.L.S.

DEAN OF ADMISSIONS, Harry R. Carroll, M.A.

ASSOCIATE DEAN OF ADMISSIONS, Alison K. Bielli, M.ED.

ASSOCIATE DEAN OF ADMISSIONS, Walter J. Brooks, M.A.

ASSISTANT DEAN OF ADMISSIONS, Joan Alway, B.A.

ASSISTANT TO THE DEAN OF ADMISSIONS, Judith L. Brody, B.A.

ASSISTANT TO THE DEAN OF ADMISSIONS, Lloyd E. Hall, A.B.

ASSISTANT TO THE DEAN OF ADMISSIONS, Jane M. Venman, B.A.

REGISTRAR, George L. Coleman II, M.A.

DIRECTOR OF CAREER PLANNING, Patricia L. Hickson, M.A.

DIRECTOR OF THE COLBY LIBRARIES, Suanne W. Muehlner, M.L.S.,  
M.B.A.

AUDIOVISUAL LIBRARIAN, Samuel L. Atmore, M.S.

REFERENCE LIBRARIAN, Rita P. Bouchard, M.A.

HEAD CATALOGUER, Jeanne Burnette, M.L.S.

CATALOGUE LIBRARIAN, Catherine H. Cocks, M.A.L.S.

SPECIAL COLLECTIONS LIBRARIAN, J. Fraser Cocks III, PH.D.

SCIENCE LIBRARIAN, Susan W. Cole, M.S.

LIBRARY TECHNICIAN, Paul B. Irgang, B.A.

REFERENCE LIBRARIAN, Cynthia B. Keating, M.L.S.

ACQUISITIONS LIBRARIAN, Joe D. Mount, M.A., M.L.S.

ASSISTANT DIRECTOR FOR PUBLIC SERVICE, Frances M. Parker,  
M.S.L.S.

DIRECTOR OF THE MUSEUM OF ART, Hugh J. Gourley III, A.B.

DIRECTOR OF DIVISION OF SPECIAL PROGRAMS, Robert H. Kany,  
PH.D.

ASSISTANT DIRECTOR, DIVISION OF SPECIAL PROGRAMS, Joan  
Sanzenbacher, B.A.

CHAPLAIN, John H. Ineson, S.T.B.

ADMINISTRATIVE VICE-PRESIDENT, Stanley A. Nicholson, PH.D.

TREASURER, Karl W. Brockhuizen, M.B.A.<sup>1</sup>

PERSONNEL OFFICER, Nicolaas Kaan, Jr., B.B.A.

CONTROLLER/ASSISTANT TREASURER, Douglas E. Reinhardt,  
M.B.A.

BOOKSTORE MANAGER, SueBeth Fair, B.A.

BUSINESS MANAGER, Gloria Goodine, B.A., B.F.A.

DIRECTOR OF COMPUTER CENTER, Jonathan D. Allen, B.A.

SYSTEMS PROGRAMMER, David W. Cooley, M. DIV.

JUNIOR PROGRAMMER/ADMINISTRATIVE ASSISTANT, Judith B.  
Judkins, B.A.

DIRECTOR OF FINANCIAL AID, Gary N. Weaver, B.A.

ASSISTANT TO THE DIRECTOR OF FINANCIAL AID, H. O'Neal  
Turner, M.A.

DIRECTOR OF FOOD SERVICES, J. Paul O'Connor

MANAGER, ROBERTS DINING HALL, Russel W. Colvin

MANAGER, DANA DINING HALL, John Jenkins

MANAGER, FOSS DINING HALL, Dawn Williams

DIRECTOR OF PHYSICAL PLANT, H. Stanley Palmer, S.B.

SUPERINTENDENT OF BUILDINGS AND GROUNDS, Ansel A. Grindall

SANITATION FOREMAN, J. Norman Poulin

ASSISTANT CUSTODIAL SUPERVISOR, Arthur Sawtelle

BUILDING MAINTENANCE SUPERVISOR, Lee Spaulding

HVAC FOREMAN, Marc Bizier

OUTSIDE FOREMAN, Fernand J. Michaud

ENERGY ENGINEER, Jonathan Linn, B.S., B.A.

CLERK OF NEW CONSTRUCTION WORKS, Patrick Mullen

VICE-PRESIDENT FOR DEVELOPMENT, Sidney W. Farr, M.A., M.B.A.

DIRECTOR OF PLANNED GIVING, David L. Roberts, M.S.

DIRECTOR OF ALUMNI RELATIONS AND ANNUAL GIVING, Charles P.  
Williamson, Jr., B.A.

ASSOCIATE DIRECTOR OF ALUMNI RELATIONS, Jean M. Papalia,  
M.ED.

ASSOCIATE DIRECTOR OF ANNUAL GIVING, Melita M. Teichert,  
A.B.

ASSISTANT TO THE DIRECTOR, Pamela M. Alexander, B.A.

RESEARCHER, Mary C. Roy

DEAN OF STUDENTS, Earl H. Smith, B.A.

ASSOCIATE DEAN OF STUDENTS, James MacK. Gillespie, PH.D.

ASSOCIATE DEAN OF STUDENTS, Janice A. Seitzinger, M.A.

DIRECTOR OF STUDENT ACTIVITIES, Patrick Chassé, Jr., M.ED.

DIRECTOR OF INTERCULTURAL ACTIVITIES, To be appointed



TUTOR AND STUDY COUNSELOR, Elizabeth Todrank, M.ED.

COLLEGE PHYSICIAN, Jeffrey Lovitz, M.D.

DIRECTOR OF HEALTH SERVICES, Carl E. Nelson, M.ED.

CLINICAL PSYCHOLOGIST, Paul P. Perez, PH.D.

CLINICAL PSYCHOLOGIST, Lewis F. Lester, PH.D.

CONSULTANT IN SURGERY, John F. Reynolds, M.D.

HEALTH ASSOCIATE, Jane T. Schwartz, B.F.A., P.A.-C.

HEAD NURSE, Priscilla Sargent, R.N.

ASSISTANT TRAINER, Normand E. Sylvestre, B.A.

DIRECTOR OF SAFETY AND SECURITY, Kenneth T. Gagnon, B.A.

<sup>1</sup>To August 31, 1981.

# Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL  
LOCATIONS OF STUDENTS' HOMES 1980-81

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
ALL AREAS	883	780	1663	Texas	2	2	4
NEW ENGLAND	650	569	1219	Utah	1	0	1
Connecticut	76	85	161	Virginia	9	10	19
Maine	144	117	261	Virgin Islands	0	1	1
Massachusetts	365	292	657	Washington	2	2	4
New Hampshire	30	45	75	West Virginia	1	1	2
Rhode Island	24	19	43	Wisconsin	1	2	3
Vermont	11	11	22	FOREIGN COUNTRIES	24	10	34
OUTSIDE NEW ENGLAND	209	201	410	Belgium	1*	0	1
Alaska	1	2	3	Bolivia	0	1	1
California	8	11	19	Canada	9*	2*	11
Colorado	6	1	7	Chile	0	1	1
Delaware	2	4	6	Denmark	0	1	1
District of Columbia	7	4	11	England	1*	1*	2
Florida	4	6	10	Ghana	2	0	2
Georgia	3	3	6	Hong Kong	1	0	1
Illinois	12	13	25	India	1	0	1
Indiana	0	1	1	Italy	1*	0	1
Kansas	0	2	2	Japan	2	0	2
Louisiana	1	0	1	Malaysia	3	1	4
Maryland	11	6	17	Mexico	1	0	1
Michigan	3	4	7	Netherlands Antilles	1*	0	1
Minnesota	6	3	9	Switzerland	0	1*	1
Missouri	1	3	4	Turkey	1	1*	2
Montana	0	1	1	West Germany	0	1*	1
Nebraska	0	1	1				
New Jersey	28	25	53				
New Mexico	0	1	1				
New York	59	61	120				
North Carolina	0	3	3				
Ohio	10	9	19				
Oklahoma	0	2	2				
Oregon	2	0	2				
Pennsylvania	24	16	40				
Puerto Rico	4	0	4				
Tennessee	1	1	2				

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. 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 31, 1981

### BACHELOR OF ARTS

- Michele Ann Adams, *China, Me.*  
 Christine Lee Ahlstrom, *Holden, Mass.*  
 David Steven Allaire, *Mendon, Mass.*  
 Jeannette Almodovar, *Bronx, N.Y.*  
 Lawrence Leslie Anderson III, *Oakbrook, Ill.*  
 Michele Andrea, *Stamford, Conn.*  
 John Waller Andrews, *Nashville, Tenn.*  
 Peter George Attenborough, *Portsmouth, N.H.*  
 Stewart French Babbott, *Morristown, N.J.*  
 Margaret Farrell Babcock, *Bangor, Me.*  
 Thomas L. Baldwin, *Portland, Me.*  
 Bruce Barber, *North Bay, Ontario*  
 Deborah Anne Bartlett, *Concord, N.H.*  
 Stephen Nathaniel Batchelder, *Nashua, N.H.*  
 Karen Elizabeth Baumstark, *Omaha, Neb.*  
 Peter Robert Baye, *Newton, Mass.*  
 Kathleen Ann Beane, *North Smithfield, R.I.*  
 Timothy John Bernard, *Norwood, Mass.*  
 Margaret Mary Bernier, *Waterville, Me.*  
 Thomas Andrew Betro, *East Walpole, Mass.*  
 Robin Dee Bickford, *New Hartford, Conn.*  
 David James Biggar, *Chappaqua, N.Y.*  
 Carrie Lynn Bingham, *West Burke, Vt.*  
 Peter Clark Bishop, *Sherbrooke, Québec*  
 Janet Broughton Blau, *Wayland, Mass.*  
 Mark Henry Bloom, *Salem, Mass.*  
 Suzanne Alice Blunt, *Brockton, Mass.*  
 David Lawrence Bolger III, *Groton, Mass.*  
 Jonathan Wayne Boole, *Needham, Mass.*  
 James Winslow Bourne, *Potomac, Md.*  
 Elizabeth Howard Bowen, *Swansea, Mass.*  
 Holly James Brackett, *Eastham, Mass.*  
 Faith Woodley Bramhall, *Falmouth, Me.*  
 Leslie Lou Breton, *Topsham, Me.*  
 Mary Elizabeth Brooks, *Orr's Island, Me.*  
 Shannon Brown, *Harmony, Me.*  
 Kenneth Albert Bruder, Jr., *Oyster Bay, N.Y.*  
 Helynne Eileen Bruen, *Lynn, Mass.*  
 Alfred R. Bruzzese III, *Revere, Mass.*  
 Dawn Mary Brydon, *Westbrook, Me.*  
 Virginia Rita Bulford, *Waterford, Conn.*  
 Barbara Ellen Bullock, *Newark, Del.*  
 Sara Stillman Bunnell, *Norwell, Mass.*  
 Stephen Edward Burke, *Dorchester, Mass.*  
 Jeremiah Staniford Burns, Jr., *Salem, Mass.*  
 John Townsend Burns, *Deep River, Conn.*  
 Elizabeth Anne Burton, *Marblehead, Mass.*  
 Peter Thomas Buzzini, *Lincoln Center, Me.*  
 Eleanor Saltonstall Campbell, *Cambridge, Mass.*  
 Joyce Kelby Cannell, *Cape Elizabeth, Me.*  
 Cheryl Marie Carr, *Melrose, Mass.*  
 Joel Daniel Castleman, *Longmeadow, Mass.*  
 Douglas Fraser Cawley, *West Newbury, Mass.*  
 Trudi Anne Chase, *Skowhegan, Me.*  
 Magdalene Christolow, *Portland, Me.*  
 Joseph Anthony Ciota, *Lynn, Mass.*  
 Toni Marie Ciota, *Lynn, Mass.*  
 Robert Paul Clark, *Enfield, Conn.*  
 Sandra Clemens, *Sudbury, Mass.*  
 Peter L. Clerkin, *Dedham, Mass.*  
 John Andrew Clevenger, *Cape Elizabeth, Me.*  
 Linda Mary Clifford, *Basking Ridge, N.J.*  
 William Paul Clifford, *Lewiston, Me.*  
 Wayne William Cobleigh, *Westerly, R.I.*  
 Peter Joseph Cocciardi, *Everett, Mass.*  
 Jeffery David Cochran, *Rutland, Vt.*  
 Harvey Samuel Coco, *Cottonport, La.*  
 Mary Whelan Coe, *Cohasset, Mass.*  
 Maureen Theresa Commane, *Milton, Mass.*  
 Suzanne Louise Connolly, *Marblehead, Mass.*  
 Eileen Mary Conway, *Wakefield, Mass.*  
 Deborah T. Cook, *Rehoboth, Mass.*  
 Douglas Matthew Cook, *Melrose, Mass.*  
 Barbra Louise Cooper, *Denmark, Me.*  
 Kathryn Louise Critchlow, *Lincolndale, N.Y.*  
 Michael Jude Cronan, *Salem, Mass.*  
 Edward Francis Curran, Jr., *Portland, Me.*  
 Glenn William Currier, *Westbrook, Me.*  
 Joel Edward Cutler, *Newton, Mass.*  
 John Joseph Daley, Jr., *Lynn, Mass.*  
 Marisa Holly D'Andrea, *Lincoln, R.I.*  
 Lynn Ann D'Angelo, *Greenland, N.H.*

- Alec Emil Danz, *Smithtown, N. Y.*  
 Jeffery Thayer Davis, *South Williamstown, Mass.*  
 Cynthia DelPapa, *Marblehead, Mass.*  
 John Hardie Densmore, *Rutland, Vt.*  
 Patrick Leo DeVivo, *Greenfield, Mass.*  
 John Vincent Dolbec, *Quincy, Mass.*  
 John Henry Donegan, *Lynnfield, Mass.*  
 Katherine Jane Dornish, *Gorham, Me.*  
 Eliza Anne Dorsey, *Freeport, Me.*  
 Jeff Grant Douglas, *Winthrop, Me.*  
 Lawrence Francis Drago, *Cohasset, Mass.*  
 John Cauley Driscoll, *Milton, Mass.*  
 Richard Joseph Dube, *Waltham, Mass.*  
 Karen Hale Dunkle, *North Falmouth, Mass.*  
 Catherine Marie Dwyer, *Scituate, Mass.*  
 James William Dwyer, *Manchester, Conn.*  
 Jane Ellen Eklund, *Brockton, Mass.*  
 Elizabeth Dudley Ellis, *Weston, Mass.*  
 Pamela Jo Ellis, *Rangeley, Me.*  
 Kathleen Ann Ennis, *Brockton, Mass.*  
 Elisabeth Hagar Eustis, *Princeton, Mass.*  
 Michael Fitzsimons Federle, *Waterville, Me.*  
 Sally Avis Fernsten, *Mechanicsburg, Penn.*  
 Frank Thomas Finetto, *Tenafly, N.J.*  
 Champe Andrews Fisher, Jr., *West Newton, Mass.*  
 Richard Michael Forster, *Farmington, Me.*  
 Mark Levite Fortier, *Skowhegan, Me.*  
 John Joseph Foster, *Painted Post, N. Y.*  
 Ellen S. Freedman, *Newton, Mass.*  
 Stephen John Freese, *Holden, Mass.*  
 Andrew L. Frenkiel, *Bronx, N. Y.*  
 Lisa Kathryn Gale, *North Conway, N. H.*  
 Kenneth Peter Gall, *North Haledon, N.J.*  
 Kathy Anne Gallop, *Houlton, Me.*  
 B. Russell Garrity III, *Warwick, R.I.*  
 Christy Ann Gauss, *Fairbanks, Alas.*  
 Daphne Harrison Geary, *New York, N. Y.*  
 Peter Gent, *Reading, Mass.*  
 Laura Chesney Gockel, *Shaker Heights, Ohio*  
 Jeffrey Alan Goliger, *Framingham, Mass.*  
 Wayne Richard Gombotz, *Gales Ferry, Conn.*  
 Charles Burton Gordy II, *Harvard, Mass.*  
 Mark John Govoni, *Burlington, Mass.*  
 Judith Manning Greene, *Needham, Mass.*  
 Harry Alexander Hadiaris, *Saco, Me.*  
 Lisa Ann Hallee, *Waterville, Me.*  
 Lauren Lee Hampton, *Topsfield, Mass.*  
 Peter Carl Hanson, *South Burlington, Vt.*  
 J. Cody Harper, *Peekskill, N. Y.*  
 Joel Shorey Harris, *Wayland, Mass.*  
 Jane Carlisle Hartzell, *Merion, Penn.*  
 Amy Meredith Haselton, *Manchester, Me.*  
 Mark Dudley Haskins, *Norton, Mass.*  
 Christopher Spencer Hasty, *Portland, Me.*  
 Melissa Ann Haussman, *Wellesley, Mass.*  
 Michael John Hawrylycz, *Southington, Conn.*  
 Susan Elizabeth Haywood, *Lisbon, N. H.*  
 Stephen William Healey, *Plainville, Mass.*  
 Pamela Anne Heleen, *New Bedford, Mass.*  
 Pamela Sherwood Helyar, *Falmouth, Mass.*  
 Glenn Arthur Herdeg, *Hamilton, Mass.*  
 Jeffrey Alban Hermanson, *Holden, Mass.*  
 Jodie Lynn Hewey, *Skowhegan, Me.*  
 Charles Higginson, Jr., *Cohasset, Mass.*  
 Craig Daryl Hill, *Yarmouth, Me.*  
 Paula Jean Hinckley, *Manchester, N. H.*  
 Kimberly Ann Hokanson, *Brunswick, Me.*  
 Jonathan Dix Holder, *Chestnut Hill, Mass.*  
 Darlene Joi Howland, *Wellesley, Mass.*  
 Joseph F. Huber III, *Williston, Vt.*  
 Susan Ingraham, *Houlton, Me.*  
 Lawrence Carl Isaacson, *Auburn, Me.*  
 Geoffrey Bradshaw Ives, *Rockport, Mass.*  
 Diane Cecile Jacques, *Amesbury, Mass.*  
 Theresa M. Jacques, *Livermore Falls, Me.*  
 Janice Carol Johnson, *Danbury, Conn.*  
 Virginia Beatrice Johnson, *Winthrop, Me.*  
 Dana Alan Johnston, *South Portland, Me.*  
 Alexander Robert Jones, *Winsted, Conn.*  
 Alison Ann Jones, *Troy, Ohio*  
 Nancy Joan Jones, *Waterville, Me.*  
 Leslie Dana Kaplan, *Wellesley, Mass.*  
 Kelley James Kash, *Columbus, Ohio*  
 Jonathan Marc Kaufman, *Highland Park, Ill.*  
 Kevin Owen Kehoe, *Dedham, Mass.*  
 Joseph Francis Kelliher, *Reading, Mass.*  
 Henry Robbins Kennedy, *Nobleboro, Me.*  
 Ronald James Koch, Jr., *Kenmore, N. Y.*  
 Paula Kot, *Enfield, Conn.*  
 Mark Kruger, *Montréal, Québec*  
 Jay D. Krusell, *North Brookfield, Mass.*  
 James Francis Lafrance, *Laconia, N. H.*  
 Anthony Lawrence Lainez, *Sudbury, Mass.*  
 Susan Beatty Lankton, *West Boylston, Mass.*  
 Hilary Katherine Laraba, *Bradford, Mass.*  
 Thomas Dwight Leary, *Acton, Mass.*

- Gregory G. Leeds, *Great Neck, N.Y.*  
 Oliver Stevens Leland III, *Wellesley, Mass.*  
 Stephen Anthony Leonard, *Duxbury, Mass.*  
 Choon Heng Leong, *Penang, Malaysia*  
 Adam Michael Levin, *Newton, Mass.*  
 DeAnn Elizabeth Lewis, *New Wilmington, Penn.*  
 Margaret Ellen Libby, *Winthrop, Me.*  
 William Jack Lichtblau, *New York, N.Y.*  
 Jonathan Wolf Light, *Armonk, N.Y.*  
 Susan Jean Lindberg, *Stow, Mass.*  
 Emily Lindemann, *Westerville, Ohio*  
 Laura Eleanor Littlefield, *Raynham, Mass.*  
 Edward Redfield Lovejoy, *Weston, Mass.*  
 Virginia Rebecca Low, *Greenwich, Conn.*  
 Paulette Marie Lynch, *Lynn, Mass.*  
 Holly Clare Mackin, *Augusta, Me.*  
 Martha Dean MacMillin, *Ridgewood, N.J.*  
 Frederick Richardson Madeira, *Falmouth, Me.*  
 Marie Elise Maggioni, *Dedham, Mass.*  
 William Burton Maley, Jr., *Orange, Conn.*  
 Laura Beth Manger, *Shelton, Conn.*  
 Susan Cummings Mann, *Buzzards Bay, Mass.*  
 Moira Emmet Manning, *Milton, Mass.*  
 Todd Carlson Marble, *Kensington, Conn.*  
 Kathy A. Marciarille, *Somerset, Mass.*  
 Michael Kevin Martin, *Wilton, Me.*  
 Todd Miller Masterman, *Ridgewood, N.J.*  
 Alan Joseph Mathieu, *Waterville, Me.*  
 John Philbrick Matthews, *Rockport, Me.*  
 Carrie Martin Mauhs, *Cobleskill, N.Y.*  
 William Clark McCartney, *Wantagh, N.Y.*  
 James Mendrick McCracken III, *Needham, Mass.*  
 William Francis McCully III, *Babylon, N.Y.*  
 Robert McCurdy, *Newburgh, N.Y.*  
 Scott Richmond McIntire, *Bedford, N.H.*  
 Lynn Diane McLaren, *Westford, Mass.*  
 Jeffrey J. McLaughlin, *Sudbury, Mass.*  
 Daniel John McLean, *Braintree, Mass.*  
 Paul David Meade, *Falmouth, Mass.*  
 Christian Leonard Melby, *Milton, Mass.*  
 Julia Diane Mellentin, *Dover, Mass.*  
 Susan Marie Meyer, *Southborough, Mass.*  
 David Alan Mitchell, *Eastport, Me.*  
 Joan Elizabeth Molino, *Cherry Hill, N.J.*  
 Frank Arend Moltz III, *Bryn Mawr, Penn.*  
 Jeffrey Alan Monhart, *Chicago, Ill.*  
 Ellyn Terrill Montgomery, *Bethesda, Md.*  
 Katherine Halbert Moore, *Charleston, W. Va.*  
 Teresa Elvira Morales, *New York, N.Y.*  
 Christopher Carrington Morrill, *North Granby, Conn.*  
 Ruth Morrison, *Concord, N.H.*  
 Shawn Michael Morrissey, *Irvine, Calif.*  
 Neil Trumbull Moynihan, *Mansfield, Conn.*  
 John Joseph Mscisz, *Topsfield, Mass.*  
 Trudy Lynn Mulford, *Presque Isle, Me.*  
 Mary Elizabeth Mullen, *Villanova, Penn.*  
 Scott Lawrence Murchie, *Leominster, Mass.*  
 Patrick Dennis Murphy, *Hyde Park, Mass.*  
 Richard Carlton Muther, *Needham, Mass.*  
 Cedric Culbertson Nash, *Barrington, R.I.*  
 John David Neeson, *Pittsburgh, Penn.*  
 Daniela Patricia Nemeec, *Munich, West Germany*  
 Hugh Conant Neville II, *Barrington, R.I.*  
 R. Geoffrey Neville, Jr., *Dover, Mass.*  
 Randall Browne Newbury III, *East Millinocket, Me.*  
 Lucy Prentiss Nichols, *Bedford, N.H.*  
 Michael Clement Nimon, *Oakland, Me.*  
 Hiroshi Nishimura, *Kyoto, Japan*  
 Lisa Diane Nolan, *Metuchen, N.J.*  
 Robert William Norton, *Dorchester, Mass.*  
 Vanessa Marie Norton, *Palatine, Ill.*  
 Dale Peterson Oak, *Presque Isle, Me.*  
 Elisabeth Ruth Ober, *Framingham, Mass.*  
 Edward William Ofria, *Arlington, Mass.*  
 Chai Hoon Ooi, *Alor Setar, Kedah, Malaysia*  
 Karen Jean Orloff, *Waterville, Me.*  
 Jay Harold Otis, *Veazie, Me.*  
 Ellen Carroll Owens, *Simsbury, Conn.*  
 John Ward Palmer, *Madawaska, Me.*  
 Amy Ellinwood Parker, *Flossmoor, Ill.*  
 Richard Taylor Parrish, *Lexington, Mass.*  
 Glenn Alfred Paterson, *Malden, Mass.*  
 Deborah Marie Paul, *Scituate, Mass.*  
 Anthony Francis Peduto, Jr., *Arlington, Mass.*  
 Catherine Elizabeth Pelletier, *Bath, Me.*  
 Eugene Jason Pelletier, *Danvers, Mass.*  
 Sally Pendleton, *Portsmouth, R.I.*  
 Herbert P. Perry, *Englewood Cliffs, N.J.*  
 Susan Chamberlin Perry, *Sherborn, Mass.*  
 Stephen Charles Pfaff, *Beverly, Mass.*  
 Karen Louise Pfeiffer, *Scarsdale, N.Y.*  
 Mary Elizabeth Phipps, *Framingham, Mass.*  
 Brian Picard, *Winsted, Conn.*  
 Martha Louise Pingree, *Melrose, Mass.*

- Elizabeth Joan Pizzurro, *Scarsdale, N. Y.*  
 Beth Ann Pniewski, *Hyde Park, N. Y.*  
 Suzanne Mary Poitras, *Harvard, Mass.*  
 John Anthony Polimeno, Jr., *Reading, Mass.*  
 Gregory Clarence Pomeroy, *Hyannis, Mass.*  
 Joel Albert Potvin, *Biddeford, Me.*  
 Mari-Ellen Pratt, *Winsted, Conn.*  
 Heidi Elizabeth Proctor, *Osterville, Mass.*  
 Jeffrey Payton Protentis, *Brockton, Mass.*  
 Mary Lynn Quincy, *Wilton, Conn.*  
 Brigitte Marie Raquet, *Stamford, Conn.*  
 Carol Ann Reed, *Center Ossipee, N.H.*  
 Kathryn Reilly, *Lowell, Mass.*  
 Ellen Louise Reinhalter, *South Hamilton, Mass.*  
 Ann Elizabeth Renner, *Cleveland, Ohio*  
 Robert Alan Reynolds, *Foxboro, Mass.*  
 David Nolan Rich, *Wellesley, Mass.*  
 Salome Lee Riley, *Albion, N. Y.*  
 Dennis Paul Ring, *Woburn, Mass.*  
 James Leonard Roberti, *Hopedale, Mass.*  
 Sara Ann Robinson, *Philadelphia, Penn.*  
 David Karl Rocks, *Colorado Springs, Colo.*  
 Gary Frederick Rogers, *Riverside, Conn.*  
 Kathryn Clark Rogers, *Houlton, Me.*  
 Michael Francis Romano, *West Hartford, Conn.*  
 Renee Ann Ross, *Wilmington, Del.*  
 Deborah Josephine Rowe, *Miami, Fla.*  
 Edward Searles Rowland, Jr., *South Hamilton, Mass.*  
 Jeffrey Alan Russell, *Falmouth, Me.*  
 Robert Michael Ruzzo, *Dorchester, Mass.*  
 Robert Joseph Ryan, *Falmouth, Me.*  
 David Alden Ryley, *Canton, Mass.*  
 Mari Anthe Samaras, *Haverhill, Mass.*  
 Bradford MacCall Sargent, *Plymouth, Mass.*  
 Veronica Hazel Saunero Nava, *La Paz, Bolivia*  
 Kathleen Mary Scandura, *Winchester, Mass.*  
 Richard Frederick Schaub, Jr., *Anandale, N.J.*  
 Thomas Daniel Schofield, *Framingham, Mass.*  
 Daniel Brant Schultz, *North Woodmere, N. Y.*  
 Katherine Mackinnon Scott, *Slingertands, N. Y.*  
 Jennifer Jane Sears, *Bedford, Mass.*  
 Matthew Lewis Shapiro, *Teaneck, N.J.*  
 Marda E. Sharkey, *Brockton, Mass.*  
 Kenneth Kevin Sharples, *Braintree, Mass.*  
 Emily Shea, *Barnstable, Mass.*  
 Judy Anne Sheehan, *Enfield, Conn.*  
 Daniel Paul Sheehy, Jr., *Cohasset, Mass.*  
 Frederick Jay Shore, *Watertown, Mass.*  
 Jean Mary Siddall, *Attleboro, Mass.*  
 David Peterson Silk, *Newton, Mass.*  
 Brian Richard Skene, *Huntington, Conn.*  
 Susan Fay Slawson, *North Attleboro, Mass.*  
 Bette Ann Smith, *Tenants Harbor, Me.*  
 Christopher Lee Smith, *Sudbury, Mass.*  
 Gary Patrick Smith, *Middletown, R. I.*  
 Lisa Jean Smith, *Wilmington, Mass.*  
 Lynda Irene Smith, *Attleboro, Mass.*  
 Victoria Sneff, *State College, Penn.*  
 Cynthia Anne Soder, *Surrey, England*  
 Serge Marcus Sondak, *Livorno, Italy*  
 Karen Elizabeth Sondergeld, *West Hartford, Conn.*  
 Jose Lorenzo Sorrentino Brunisholz, *Guaynabo, Puerto Rico*  
 Timothy Scott Springer, *Edina, Minn.*  
 Spencer William Staples, *Liberty Corner, N.J.*  
 Lawrence Carl Starke, *Amherst, N.H.*  
 Elizabeth Craig Stiller, *Wichita, Kans.*  
 Eric Neil Stinneford, *Weld, Me.*  
 Bruce Kevin Stokes, *Lynnfield, Mass.*  
 Thomas Signor Stratton, *Bedford, N.H.*  
 Gust Stephen Stringos, *Skowhegan, Me.*  
 Linda Haruko Suzuki, *Gaithersburg, Md.*  
 Sarah Lee Swager, *Sheridan, Mont.*  
 Chandler Whiting Symmes II, *Concord, Mass.*  
 Valentine Hillary Talland, *LaGrange, Ill.*  
 Theodore Warren Taylor, *Cumberland Center, Me.*  
 Joanne Elizabeth Terry, *Hopkinton, Mass.*  
 Barry Allen Tesman, *Union, N.J.*  
 Elwin R. Thibault II, *Arecibo, Puerto Rico*  
 Alison Aldrich Thomas, *Lincoln, Mass.*  
 Peter Harry Tibbetts, *Scituate, Mass.*  
 Robert Sherwood Todd II, *Rouley, Mass.*  
 Jennifer Ann Tolan, *Schenectady, N. Y.*  
 Elizabeth Torracca, *Cape Elizabeth, Me.*  
 Bonnie L. Turnbull, *Madison, Conn.*  
 Scott David Vandersall, *Huntington, N. Y.*  
 Josephine Marie Venti, *Longmeadow, Mass.*  
 Victor L. Vesnaver, *Somers, N. Y.*  
 James Patrick Violette, Jr., *Waterville, Me.*  
 James Callaway Votta, *Warwick, R. I.*  
 Stephanie H. Vratton, *West Roxbury, Mass.*  
 Kimberly Jean Wadkins, *Winthrop, Mass.*  
 Robert J. Wallace, *Albion, Me.*  
 Samuel Scott Weiser, *Plantation, Fla.*  
 Nancy Ellen Welsh, *Wellesley Hills, Mass.*

Bryon Paul Wenrich, *Nashua, N.H.*  
 Janice Lynn Westman, *Grand Isle, Vt.*  
 Nancy Katherine Weyl, *McLean, Va.*  
 Duncan Harrower Whitney, *Williamstown, Mass.*  
 Frank F. Wirmusky, *Hoosick Falls, N.Y.*  
 Alan Eric Wolf, *Portland, Me.*  
 Susan Kim Wolff, *Glencoe, Ill.*  
 Pamela Jeanne Woods, *Glastonbury, Conn.*  
 John Ward Yates, *Harvard, Mass.*  
 Diane Cynthia Young, *Andover, Mass.*  
 Kathryn Ann Young, *Saratoga, Calif.*  
 Keith Sze-Fun Yuen, *Kowloon City, Hong Kong*  
 Thomas John Zito, *Cranston, R.I.*

*As of the Class of 1980*

Cecily Cannon, *West Simsbury, Conn.*  
 Reid Joseph Cassidy, *Swampscott, Mass.*  
 Judith Lynn Duran, *Concord, Mass.*  
 Mark Edward Garvin, *Groton, Mass.*  
 Douglas John Herbert, *Swampscott, Mass.*  
 Joshua Hoover, *Norwalk, Conn.*  
 Robert Botond Lokody, *New Canaan, Conn.*  
 Geoffrey Li Rogers, *New York, N.Y.*

*As of the Class of 1979*

Sara Jane Burns, *Swarthmore, Penn.*  
 William Franz Muller, *Aspen, Colo.*

*As of the Class of 1978*

Marie Suzanne de Grouchy, *Marblehead, Mass.*  
 Philip L. Redo, *New York, N.Y.*

*As of the Class of 1970*

Kathryn Patricia Hayes, *Media, Penn.*  
*Degrees Granted in October as of the Class of 1980*  
 Michael Harry Brinkman, *Farmington, Me.*  
 John Thomas Moylan, Jr., *East Greenwich, R.I.*  
 Rosemarie Nawfel, *Waterville, Me.*  
 Shaun Sutner, *Teaneck, N.J.*

HONORARY DEGREE RECIPIENTS

Daniel Aaron  
*Doctor of Letters*  
 Robert Coles  
*Doctor of Letters*  
 Robert Indiana  
*Doctor of Fine Arts*  
 Edward G. Kaelber  
*Doctor of Laws*  
 Roberta Peters  
*Doctor of Music*  
 Allen S. Rupley  
*Doctor of Humane Letters*  
 Garry Trudeau  
*Doctor of Laws*

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## Honors

BACHELOR'S DEGREE WITH HONORS

*Summa Cum Laude*

Judith Manning Greene  
 Paula Kot  
 Chai Hoon Ooi  
 Robert Michael Ruzzo  
 Elizabeth Torraca

*Magna Cum Laude*

Michele Ann Adams  
 Michele Andrea  
 Elizabeth Howard Bowen  
 Mary Elizabeth Brooks

Linda Mary Clifford  
 Marisa Holly D'Andrea  
 Jeffery Thayer Davis  
 Karen Hale Dunkle  
 Pamela Jo Ellis  
 Glenn Arthur Herdeg  
 Jeffrey Alban Hermanson  
 Theresa M. Jacques  
 Alison Ann Jones  
 Edward Redfield Lovejoy  
 Ruth Morrison  
 Scott Lawrence Murchie  
 Daniela Patricia Nemeč



Michael Clement Nimon  
 Elisabeth Ruth Ober  
 Susan Chamberlin Perry  
 Carol Ann Reed  
 Ann Elizabeth Renner  
 James Leonard Roberti  
 Renee Ann Ross  
 David Alden Ryley  
 Richard Frederick Schaub, Jr.  
 Marda E. Sharkey  
 Judy Anne Sheehan  
 Lynda Irene Smith

*Cum Laude*

Christine Lee Ahlstrom  
 Margaret Farrell Babcock  
 Deborah Anne Bartlett  
 Karen Elizabeth Baumstark  
 Margaret Mary Bernier  
 Holly James Brackett  
 Barbara Ellen Bullock  
 Elizabeth Anne Burton  
 Eleanor Saltonstall Campbell  
 Trudi Anne Chase  
 Jeffery David Cochran  
 Richard Joseph Dube  
 James William Dwyer  
 Jane Ellen Eklund  
 Michael Fitzsimons Federle  
 Kathy Anne Gallop  
 Jeffrey Alan Goliger  
 Lisa Ann Hallee  
 Amy Meredith Haselton  
 Christopher Spencer Hasty  
 Kimberly Ann Hokanson  
 Darlene Joi Howland  
 Joseph F. Huber III  
 Janice Carol Johnson  
 Kelley James Kash  
 Mark Kruger  
 Choon Heng Leong  
 Paulette Marie Lynch  
 William Clark McCartney  
 Jeffrey J. McLaughlin  
 Paul David Meade  
 Christian Leonard Melby  
 Julia Diane Mellentin  
 John Joseph Mscisz  
 Mary Elizabeth Mullen

Elizabeth Joan Pizzurro  
 Suzanne Mary Poitras  
 Brigitte Marie Raquet  
 Deborah Josephine Rowe  
 Emily Shea  
 Jean Mary Siddall  
 Susan Fay Slawson  
 Serge Marcus Sondak  
 Eric Neil Stinneford  
 Valentine Hillary Talland  
 Theodore Warren Taylor  
 Barry Allen Tesman  
 Peter Harry Tibbetts  
 Robert Sherwood Todd II  
 Bryon Paul Wenrich  
 Janice Lynn Westman  
 Frank F. Wirmusky  
 John Ward Yates  
 Keith Sze-Fun Yuen

HONORS IN ECONOMICS

Judith Manning Greene  
 Alison Ann Jones

HONORS IN GOVERNMENT

Glenn William Currier  
 Lisa Ann Hallee  
 Melissa Ann Hausman  
 Charles Higginson, Jr.  
 Sara Ann Robinson

DISTINCTION IN THE MAJOR

*Administrative Science*

Jeffery David Cochran  
 Suzanne Mary Poitras  
 Renee Ann Ross  
 Susan Fay Slawson  
 Barry Allen Tesman

*Administrative Science-Mathematics*

Deborah Anne Bartlett  
 Richard Joseph Dube

*American Studies*

Lisa Ann Hallee  
 Kimberly Ann Hokanson  
 Paulette Marie Lynch  
 William Clark McCartney  
 Robert Sherwood Todd II

*Art*

Pamela Jo Ellis  
Margaret Ellen Libby  
Mary Elizabeth Mullen

*Biology*

Stewart French Babbott  
Peter Robert Baye  
James William Dwyer  
Jeffrey Alan Goliger  
Wayne Richard Gombotz  
Janice Carol Johnson  
Nancy Joan Jones  
William Francis McCully III  
Julia Diane Mellentin  
Scott Lawrence Murchie  
Elisabeth Ruth Ober  
Chai Hoon Ooi  
Susan Chamberlin Perry  
David Alden Ryley  
Emily Shea  
Jean Mary Siddall  
Lynda Irene Smith

*Chemistry*

Jeffery Thayer Davis  
Edward Redfield Lovejoy

*Chemistry: Biochemistry*

David Alden Ryley  
Emily Shea

*Classics*

Kelley James Kash  
Valentine Hillary Talland

*Classics-English*

Elizabeth Anne Burton

*East Asian Studies*

Choon Heng Leong  
Ann Elizabeth Renner

*Economics*

Shannon Brown  
Kenneth Albert Bruder, Jr.  
Judith Manning Greene  
Christopher Spencer Hasty  
Jeffrey Alban Hermanson  
Joseph F. Huber III  
Alison Ann Jones  
Mark Kruger  
James Francis Lafrance

John Joseph Mscisz  
Mary Lynn Quincy  
Richard Frederick Schaub, Jr.

*Economics-Mathematics*

Judith Manning Greene

*English*

Kathleen Ann Beane  
David Lawrence Bolger III  
Mary Elizabeth Brooks  
Barbara Ellen Bullock  
Elizabeth Anne Burton  
Marisa Holly D'Andrea  
Lynn Ann D'Angelo  
Patrick Leo DeVivo  
Jane Ellen Eklund  
Michael Fitzsimons Federle  
Kathy Anne Gallop  
Charles Burton Gordy II  
Theresa M. Jacques  
Paula Kot  
Paul David Meade  
Deborah Marie Paul  
Karen Louise Pfeiffer  
Brigitte Marie Raquet  
Carol Ann Reed  
Deborah Josephine Rowe  
Katherine Mackinnon Scott  
Judy Anne Sheehan

*Environmental Studies*

Jennifer Jane Sears

*French*

Elizabeth Howard Bowen  
Eleanor Saltonstall Campbell

*Geology*

Theodore Warren Taylor

*Geology: Environmental Science*

Scott Lawrence Murchie

*German*

Daniela Patricia Nemeç  
Robert Michael Ruzzo  
Bryon Paul Wenrich  
Janice Lynn Westman

*Government*

Eleanor Saltonstall Campbell  
Linda Mary Clifford  
Glenn William Currier

Joel Edward Cutler  
 Lawrence Francis Drago  
 Lisa Ann Hallee  
 Melissa Ann Haussman  
 Jeffrey Alban Hermanson  
 Charles Higginson, Jr.  
 Jeffrey J. McLaughlin  
 Jay Harold Otis  
 Sara Ann Robinson  
 Robert Michael Ruzzo  
 Richard Frederick Schaub, Jr.  
 Judy Anne Sheehan  
 David Peterson Silk

#### *History*

Margaret Mary Bernier  
 Joyce Kelby Cannell  
 Douglas John Herbert (1980)  
 John Joseph Mscisz  
 John David Neeson  
 Suzanne Mary Poitras  
 James Leonard Roberti  
 Geoffrey Li Rogers (1980)  
 Marda E. Sharkey  
 Bruce Kevin Stokes

#### *Human Development*

Maureen Theresa Commane  
 Christy Ann Gauss  
 Christian Leonard Melby  
 Sally Pendleton

#### *Mathematics*

Mary Elizabeth Brooks  
 Jeffrey Alan Goliger  
 Diane Cecile Jacques  
 Jonathan Marc Kaufman  
 Eric Neil Stinneford  
 Barry Allen Tesman  
 Nancy Ellen Welsh  
 John Ward Yates

#### *Philosophy*

Peter Robert Baye  
 Peter Carl Hanson  
 Todd Miller Masterman  
 Daniel Brant Schultz

#### *Philosophy-Mathematics*

Diane Cecile Jacques

#### *Physics*

Michael John Hawrylycz  
 Glenn Arthur Herdeg  
 Peter Harry Tibbetts  
 Keith Sze-Fun Yuen

#### *Psychology*

Michele Ann Adams  
 Karen Elizabeth Baumstark  
 Amy Meredith Haselton  
 Christian Leonard Melby  
 Heidi Elizabeth Proctor  
 Matthew Lewis Shapiro  
 Janice Lynn Westman

#### *Religion*

Dana Alan Johnston  
 Michael Clement Nimon

#### *Sociology*

Michele Andrea  
 Holly James Brackett  
 Kathy Anne Gallop  
 Mark John Govoni  
 James Leonard Roberti  
 Frank F. Wirmusky

#### *Spanish*

Karen Hale Dunkle  
 Ruth Morrison  
 Renee Ann Ross  
 Jose Lorenzo Sorrentino Brunisholz  
 Elizabeth Torraca

#### PHI BETA KAPPA

#### *Elected in Junior Year*

Jeffery Thayer Davis  
 Paula Kot  
 Robert Michael Ruzzo

#### *Elected in Senior Year*

Michele Ann Adams  
 Michele Andrea  
 Elizabeth Howard Bowen  
 Mary Elizabeth Brooks  
 Linda Mary Clifford  
 Marisa Holly D'Andrea  
 Karen Hale Dunkle  
 Pamela Jo Ellis  
 Kathy Anne Gallop  
 Jeffrey Alan Goliger  
 Judith Manning Greene

Lisa Ann Hallee  
 Glenn Arthur Herdeg  
 Jeffrey Alban Hermanson  
 Theresa M. Jacques  
 Janice Carol Johnson  
 Alison Ann Jones  
 Edward Redfield Lovejoy  
 Ruth Morrison  
 Scott Lawrence Murchie  
 Daniela Patricia Nemeč  
 Michael Clement Nimon  
 Elisabeth Ruth Ober  
 Chai Hoon Ooi  
 Susan Chamberlin Perry  
 Carol Ann Reed  
 Ann Elizabeth Renner  
 James Leonard Roberti  
 Renee Ann Ross  
 David Alden Ryley  
 Richard Frederick Schaub, Jr.  
 Marda E. Sharkey  
 Emily Shea  
 Judy Anne Sheehan  
 Lynda Irene Smith  
 Elizabeth Torraca

## SENIOR SCHOLARS

Margaret Mary Bernier  
*A Labor Study of the Franco-American Community of Waterville from 1890 to 1940*

Kenneth Albert Bruder, Jr.  
*Economics and Chemistry in Environmental Perspectives: An Analysis of Ozone Depletion by Chlorofluorocarbons*

Jeffery Thayer Davis  
*A Novel Approach to the Synthesis of Carbon Nucleosides: Potential Antibiotics*

Jane Ellen Eklund  
 "Painting in Half-Light" and Other Poems

Dana Alan Johnston  
*Women in the Hebrew Bible: Misunderstanding and the Tyranny of Tradition*

Margaret Ellen Libby  
*The Nude and Its Environment*

Susan Marie Meyer  
*Women's Quilts, Women's Lives  
 A study of historic Maine quilts and the women who made them*

Katherine Halbert Moore  
*The Exploration of the Idea of the Horse in Graphics and Sculpture*

## JULIUS SEELYE BIXLER SCHOLARS

*Class of 1981*  
 Judith Manning Greene, *Needham, Mass.*  
 Paula Kot, *Enfield, Conn.*  
 Chai Hoon Ooi, *Alor Setar, Kedah, Malaysia*  
 Renee Ann Ross, *Wilmington, Del.*  
 Robert Michael Ruzzo, *Dorchester, Mass.*  
 Elizabeth Torraca, *Cape Elizabeth, Me.*

*Class of 1982*  
 Martin Jay Eisenberg, *Teaneck, N.J.*  
 Fidel Fajardo, *Jalisco, Mexico*  
 Diana Jean Fuss, *Wellesley Hills, Mass.*  
 Joseph Michael Herman, *Wilbraham, Mass.*  
 Barbara J. Leafman, *Hingham, Mass.*  
 Margaret Midori Yanagihara, *Tokyo, Japan*  
 Diane Marlene Zavotsky, *South River, N.J.*

*Class of 1983*  
 Margaret Hessler, *Ellsworth, Me.*  
 Douglas Alan Kopsco, *Wantagh, N.Y.*  
 David Winslow Niles, *Raynham, Mass.*  
 Steven John Shields, *Auburn, Me.*  
 Linda June Syiek, *Andover, Mass.*  
 Daniel Eastman Weeks, *Amherst, Mass.*

## CHARLES A. DANA SCHOLARS

*Class of 1981*  
 Michele Andrea, *Stamford, Conn.*  
 Elizabeth Howard Bowen, *Suwanee, Mass.*  
 Mary Elizabeth Brooks, *Orr's Island, Me.*  
 Jeffery Thayer Davis, *Williamstown, Mass.*  
 Karen Hale Dunkle, *North Falmouth, Mass.*  
 Pamela Jo Ellis, *Rangeley, Me.*  
 Glenn Arthur Herdeg, *South Hamilton, Mass.*  
 Scott Lawrence Murchie, *Leominster, Mass.*  
 Michael Clement Nimon, *Oakland, Me.*  
 Susan Chamberlin Perry, *Sherborn, Mass.*  
 Carol Ann Reed, *Center Ossipee, N.H.*  
 Ann Elizabeth Renner, *Cleveland, Ohio*  
 Richard Frederick Schaub, Jr., *Annandale, N.J.*  
 Marda E. Sharkey, *Brockton, Mass.*

*Class of 1982*  
 Lisa Anne Clark, *Waterville, Me.*  
 Scott Gerald Delcourt, *Norridgewock, Me.*

Lorene Lee Douglas, *Milford, Me.*  
 Donna Christine Fabiani, *Andover, Mass.*  
 Miriam Goldberg, *Burlington, Mass.*  
 Marguerite Deware Holden, *Albany, N. Y.*  
 David Charles Marcus, *Brussels, Belgium*  
 John Varant Najarian, *Portland, Me.*  
 Haluk Gokhan Nural, *Izmir, Turkey*  
 Susan Jean Prendergast, *Malden, Mass.*  
 James Daniel Sullivan, *Auburn, N. Y.*  
 David Mark Znamierowski, *Glastonbury, Conn.*

*Class of 1983*

Phillip Goodwin Allen, Jr., *Malvern, Penn.*  
 Robert William Bullock, *Cape Elizabeth, Me.*  
 James Daniel DeZazzo, *Haverhill, Mass.*  
 Bruce Alan Leonard, *Newton, Mass.*  
 Beth Lynch, *Brookfield, Conn.*  
 Janet Ann McDonnell, *Medfield, Mass.*  
 Jeffrey Clark Moore, *Windsor, Conn.*  
 Diane Ellen Peterec, *Smithtown, N. Y.*  
 Ann Noelle Poncelet, *Pittsburgh, Penn.*  
 Barbara Ellen Roth, *Littleton, Mass.*  
 Susan Jane Sheehan, *Enfield, Conn.*  
 Kevin Scott Young, *Guilford, Conn.*

RALPH J. BUNCHE SCHOLARS

*Class of 1984*

Leon Curtis Buck, *Philadelphia, Penn.*  
 Ralph Donald Hale, *Washington, D. C.*  
 Leda Louise Hill, *Brooklyn, N. Y.*  
 David Jerome Howell, *Atlanta, Ga.*  
 Valerie Jean Miller, *Bronx, N. Y.*  
 Veda Rose Robinson, *South Bend, Ind.*  
 Patricia Ann Shelton, *Dorchester, Mass.*  
 Lanz Jeffrey Thompson, *Hyde Park, Mass.*  
 Cynthia Ann Villarreal, *Limestone, Me.*  
 Jacqueline White, *Washington, D. C.*

*Class of 1985*

Barrando Butler, *Mattapan, Mass.*  
 Marriette Castillo, *Pelham, N. Y.*  
 Angela Darlene Drennan, *Silver Spring, Md.*  
 Deborah Ann England, *Bangor, Me.*  
 Kelly Mitsuko Frame, *Chicago, Ill.*  
 Imogen Pearl Mintzer, *New Hope, Penn.*  
 David A. Mitchell, *Boston, Mass.*  
 Todd Vincent Robinson, *Memphis, Tenn.*  
 Oscar Weekes, *Mattapan, Mass.*  
 Charmongene Williams, *Washington, D. C.*

MAYFLOWER HILL SCHOLARS

*Class of 1985*

Diane Marie Albert, *East Millinocket*  
 Maureen Cyr, *Van Buren*  
 Margaret Ellen Hale, *Lisbon Falls*  
 Jane Adams Hastings, *Skowhegan*  
 Julie Diane Karnes, *Mapleton*  
 Stephen Russell Langlois, *North Windham*  
 Tammy Jo Perkins, *South Portland*  
 Claude Alex Taylor, *Bethel*  
 Carla Marie Thompson, *Limestone*  
 Victoria Whited, *South Portland*

# College Prizes 1981

GENERAL. *American Bible Society Award.*

DANA ALAN JOHNSTON '81.

*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.

1980: REBECCA ANN BADGER '82, CAROL WADSWORTH BIRCH '82, SANDRA CLEMENS '81, DONNA CHRISTINE FABIANI '82, FIDEL FAJARDO '82, SUSAN PARKER FRENCH '82, MIRIAM GOLDBERG '82, MARC DAVID GORDON '82, CHRISTOPHER SPENCER HASTY '81, JOSEPH MICHAEL HERMAN '82, ALISON ANN JONES '81, MICHAEL HOWARD KOONCE '82, SANDRA ANN LANG '82, BARBARA J. LEEFMAN '82, RICHARD CARLTON MUTHER '81, JOHN VARANT NAJARIAN '82, JAY HAROLD OTIS '81, RICHARD TAYLOR PARRISH '81, ROBERT JAMES PATIENCE '82, SUSAN JEAN PRENDERGAST '82, RICHARD FREDERICK SCHAUB, JR. '81, BRIAN HUGH SHARPLES '82, SUSAN FAY SLAWSON '81, BRYON PAUL WENRICH '81, DAVID MARK ZNAMIEROWSKI '82.

*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 Scholarships.*

1980: RICHARD LONNIE FREEMAN '82, ANNE MARIE GEAGAN '83, DANIEL WALLACE MARRA '83, ROBERT BRIAN MCPHERSON '81, STEVEN PAUL MONTEBELLO '83, JOHN RICHARD OLSON '83.

*Colby Library Associates Book Prize.*

Not awarded.

*Condon Medal.* Gift of the late Randall J. Condon, 1886, 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."

JAY HAROLD OTIS '81.

*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.

*Adelaide True Ellery Scholarships.* Awarded to women for outstanding religious leadership.

LISA ELLEN SUKEFORTH '83, JOAN FENN DUNCAN '83.

*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.

DIANE MARLENE ZAVOTSKY '82.

*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."

CATHERINE WALSH '84, GREGORY FRANCIS PETER WALSH '84.

*Phyllis S. Fraser Scholarship.* Presented by Alpha chapter of Sigma Kappa to a Colby son or daughter.

Not awarded.

*Hillel Honor Award.* Presented by the B'nai B'rith Hillel Foundations for outstanding leadership.

ABBY ESTHER SAPERS '83.

*Lieutenant John Parker Holden, II, Award.* For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

JANE FRANCES WHITE '82.

*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.

JOSEPH MICHAEL HERMAN '82.

*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.

JEFFRA ANN BECKNELL '82.

*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.

MARY ELIZABETH WHITAKER '82.

*Ninetta M. Runnals Scholarship.* Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.

DIANE ELIZABETH CONLEY '82.

*Scott Paper Foundation Award for Leadership.* Awarded to a sophomore who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.

DIANE ELLEN PETEREC '83.

*Student Association Awards.* Presented to a senior man, a senior woman, and college employees for service to the college.

JAY HAROLD OTIS '81, DARLENE JOI HOWLAND '81, PROFESSOR CHARLES BASSETT.

*Student Library Contest Prize.*

Not awarded.

*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."

JOHN VARANT NAJARIAN '82.

*Carrie M. True Award.* Given to a woman selected for pronounced religious leadership and influence on the life of the college.

BETTE ANN SMITH '81.

*Waterville Area Alumni Association Award.* Presented for scholastic and personal achievement to a senior from the Waterville area.

Not awarded.

*Waterville Business and Professional Women's Club Award.*

SUSAN MARIE MEYER '81.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

REBECCA ANN BADGER '82, TIMOTHY DENNISON DEAN '82, JOSEPH MICHAEL HERMAN '82, SANDRA ANN LANG '82, BARBARA J. LEEFMAN '82, JAMIE ANN MACKINTOSH '82, JOHN VARANT NAJARIAN '82, HALUK GOKHAN NURAL '82, ROBERT JAMES PATIENCE '82, DIANE ELLEN PETEREC '83, SUSAN JEAN PRENDERGAST '82, LAURA JEAN YOUNG '82.

*Ernest L. Parsons Prizes.*

DEBORAH ANNE BARTLETT '81, JEFFERY DAVID COCHRAN '81, JEFFREY GRANT DOUGLAS '81, RICHARD JOSEPH DUBE '81, HARRY ALEXANDER HADIARIS '81, HOLLY CLARE MACKIN '81, SUZANNE MARY POITRAS '81, RENEE ANN ROSS '81, SUSAN FAY SLAWSON '81, BARRY ALLEN TESMAN '81.

*Prentice-Hall Accounting Award.*

DIANE ELLEN PETEREC '83.

*Wall Street Journal Award in Finance.*

JOHN GORDON KILPATRICK '82.

ART *Charles Hovey Pepper Prize.* Awarded for meritorious creative work in painting or sculpture.

MARGARET ELLEN LIBBY '81.

CLASSICS *John B. Foster Prizes.*

SUSAN ELIZABETH BOLAND '83, DANIEL MIDDLETON MATLAK '83, BROOKE WOODS '80.



DRAMATICS *Andrew Blodgett Award.*  
Not awarded.

ECONOMICS *Breckenridge Prize.*  
JUDITH MANNING GREENE '81.  
*Faculty Prize in Economics.*  
ALISON ANN JONES '81.

ENGLISH *Mary Low Carver Prizes for Poetry.*  
JANE ELLEN EKLUND '81, FIDEL FAJARDO '82, BENJAMIN EATON LENTZ '82.  
*Solomon Gallert Prize for Excellence in English.*  
PAULA KOT '81.  
*Elmira Nelson Jones Prizes for Creative Writing.*  
KAREN LOUISE PFEIFFER '81, BRIGITTE MARIE RAQUET '81, DAVID NOLAN RICH '81.

GOVERNMENT *F. Harold Dubord Prize in Political Science.*  
ROBERT MICHAEL RUZZO '81.  
*Laurie Peterson Memorial Prize in Government.* Given to a junior government major who, through academic achievement and evidence of leadership and character, has made an outstanding contribution to the department.  
CYNTHIA ROWLAND KOEHLER '82.  
*Susan Lee Yovic Award.* Presented to the student who has achieved the highest degree of competence in the field of international law.  
Not awarded.

HISTORY *Edward Lampert Prize.*  
Not awarded.  
*William J. Wilkinson Prizes.*  
JEFFRA ANN BECKNELL '82, JOHN ARLINGTON CLARK '82, MARTIN JAY EISENBERG '82, DAVID CHARLES MARCUS '82.  
*William J. Wilkinson and Paul A. Fullam Prize.*  
MARDA E. SHARKEY '81.

INTERDISCIPLINARY STUDIES *American Studies Prizes.*  
*1st Prize:* LISA ANN HALLEE '81.  
*2nd Prize:* WILLIAM CLARK MCCARTNEY '81.  
*3rd Prize:* ROBERT SHERWOOD TODD II '81.  
*East Asian Studies Prizes.*  
CHOON HENG LEONG '81, ANN ELIZABETH RENNER '81.  
*Excellence in Human Development Prizes.*  
CHRISTY ANN GAUSS '81, CHRISTIAN LEONARD MELBY '81.

MODERN LANGUAGES *Chinese Book Prize.*

HIROSHI NISHIMURA '81.

*French Book Prizes.*

RACHEL AIDA BARSHACK '83, ANN CHRISTINE BRACHMAN '84, THERESA ANN FORSTER '83, KIMBERLY ANN HAMILTON '84, SARAH JANE JORDAN '84, JENNIFER LYNN KNOLL '83, SARAH LOVEGREN '83, DONNA ELIZABETH NAJARIAN '84, DAVID ALLEN SCALES '84, STEVEN EDWARD SIMCOCK '84, STEVEN MICAH SMOLNIK '83, KAIYA INGRIDA VITTANDS '84, CHARLES RIPLEY ALLEN WILTON '84, MAUREEN ANN YOUNG '83.

*Japanese Book Prizes.*

ELEANOR TERESA RUGGIERO '83, SHARON RACHEL YOUNG '82.

*Harrington Putnam Prizes for Excellence in German.**Beginning German:* DEBORAH LYNN SPRING '83.*Intermediate German:* JAMES DANIEL DEZAZZO '83, BERND EUGEN HEFELE '84, MARY ELIZABETH RADLHAMMER '83.*Advanced German:* DANIELA PATRICIA NEMEC '81, ROBERT MICHAEL RUZZO '81, JANICE LYNN WESTMAN '81.*Russian Book Prize.*

Not awarded.

*Spanish Book Prizes.*

TIMOTHY JOSEPH CROWLEY '84, JANET B. PEABODY '84, JACQUELINE MARIE POISSON '83, BARBARA ELLEN ROTH '83, KATHRYN MARY SODERBERG '84.

MUSIC *Colby College Band Awards.*

CHRISTINE LEE AHLSTROM '81, KENNETH ALBERT BRUDER, JR. '81.

*Ermanno Comparetti Music Prize.*

MARTHA DEAN MACMILLIN '81.

*Glee Club Awards.*

DARLENE JOI HOWLAND '81, MARY ELIZABETH RUDOLPH '82.

*Lorimer Chapel Choir Awards.*

DARLENE JOI HOWLAND '81, BETTE ANN SMITH '81.

*Alma Morrissette Award.*

Not awarded.

*Symphony Orchestra Awards.*

CHRISTINE LEE AHLSTROM '81, STACEY LYNNE SORENSEN '83.

NATURAL SCIENCES *Accreditation by the American Chemical Society.*

JEFFERY THAYER DAVIS '81, STEPHEN JOHN FREESE '81, EDWARD REDFIELD LOVEJOY '81, DUNCAN HARROWER WHITNEY '81.

*ACS Undergraduate Award in Analytic Chemistry.*

Not awarded.

*American Institute of Chemists Award.*

EDWARD REDFIELD LOVEJOY '81.

*Thomas C. Bove Awards in Geology.*

LISA KATHRYN GALE '81, ERIC TODD LAPP '82.

*Webster Chester Biology Prize.*

PETER ROBERT BAYE '81.

*Chi Epsilon Mu Prize in Chemistry.*

RICHARD DANIEL PATTEN '84.

*Alan Samuel Coit Biology Prizes.*

JEFFREY ALAN GOLIGER '81, CHAI HOON OOI '81.

*Departmental Prizes in Science.**Biology:* Not awarded.*Chemistry:* MARGARET ELLEN CARLTON '81, JEFFERY THAYER DAVIS '81,  
JAMES HENRY REYNOLDS '83.*Geology, Junior Prize:*

BRITT ANN HOLMEN '82.

*Geology, Senior Prizes:*

SCOTT LAWRENCE MURCHIE '81, THEODORE WARREN TAYLOR '81.

*Geology, Sophomore Prize:* DAVID TODD COFFIN '83.*Mathematics:* MARY ELIZABETH BROOKS '81, JEFFREY ALAN GOLIGER  
'81, JOSEPH MICHAEL HERMAN '82, ERIC NEIL STINNEFORD '81, BARRY  
ALLEN TESMAN '81.*Physics:* Not awarded.*Samuel R. Feldman Award for Premedical Studies.*

TRUDI ANNE CHASE '81.

*Geology Alumni Award.*

THOMAS DWIGHT LEARY '81.

*Mark Lederman Prize for Study of Medicine.*

DAVID ALDEN RYLEY '81.

*Mark Lederman Scholarships in Biology.*

JAMES DANIEL SULLIVAN '82, DIANE MARLENE ZAVOTSKY '82.

*William A. Rogers Prize in Physics.*

RICHARD LOYD KASBO '82.

PHILOSOPHY *John Alden Clark Essay Prize in Philosophy and Religion.*

DIANA JEAN FUSS '82.

*Honorable Mention:* PETER ROBERT BAYE '81, GARY PATRICK SMITH '81.*Stephen Coburn Pepper Prize in Philosophy.*

PETER ROBERT BAYE '81.

PSYCHOLOGY *E. Parker Johnson Prizes in Psychology.*

MICHELE ANN ADAMS '81, KAREN ELIZABETH BAUMSTARK '81.

PUBLIC SPEAKING *Coburn Speaking Prizes.**1st Prize:* CHARLES BURTON GORDY II '81.*2nd Prize:* JAMES FOX TRUMM '82.*3rd Prize:* RAYMOND GEORGE, JR. '82.*Goodwin Public Speaking Prize.*

Not held.

*Extemporaneous Competition.*

Not held.

*Hannibal Hamlin Speaking Prize.*

Not held.

*Herbert Carlyle Libby Prize.*

Not held.

*Montgomery Interscholastic Speaking Contest Prize.*

Not held.

*Murray Debating Prize.*

Not held.

SOCIOLOGY *Albion Woodbury Small Prize.*

Not awarded.

GENERAL ATHLETICS *Marjorie D. Bither Award* (outstanding senior scholar-athlete).

SARA STILLMAN BUNNELL '81.

*Donald P. Lake Award* (outstanding senior scholar-athlete).

JOHN HENRY DONEGAN '81.

*Ellsworth W. Millett Award* (outstanding contribution to athletics over four years).

PAUL RICHARD BELANGER '81.

*Patty Valavanis Trophy.*

Not Awarded.

*Norman R. White Leadership and Sportsmanship Awards.*

JEFFERY THAYER DAVIS '81, RICHARD CARLTON MUTHER '81.

MEN'S ATHLETICS *J. Seelye Bixler Award in Track.*

DUNCAN HARROWER WHITNEY '81.

*James Brudno Award in Track.*

JAMES FRANCIS O'GRADY '82.

*Coaches' Awards.**Baseball:* JEFFERY THAYER DAVIS '81.*Basketball:* ROBERT JAMES PATIENCE '82.*Football:* Not awarded.*Hockey:* EDWARD WILLIAM OFRIA '81.

*Peter Doran Award in Track.*

CHRISTOPHER LEE SMITH '81.

*Ewell-Steinberg-Goodhope Lacrosse Award.*

JOEL DANIEL CASTLEMAN '81.

*Paul F. "Ginger" Fraser Award for a Nonletterman in Football.*

CHRISTOPHER JOHN GEMEASKY '82.

*Free Throw Award in Basketball.*

JEFFREY GRANT DOUGLAS '81.

*Sam Koch Soccer Award.*

NICHOLAS STURTEVANT NORTON '82.

*Lacrosse Awards.*

*Most Improved Player:* RICHARD CARLTON MUTHER '81.

*Most Valuable Player:* JEREMIAH STANIFORD BURNS, JR. '81.

*Robert LaFleur Memorial Basketball Award.*

PAUL RICHARD BELANGER '81.

*Gilbert F. "Mike" Loeb's Soccer Award.*

PATRICK JOSEPH FORTIN '82.

*Ellsworth W. Millett Hockey Awards.*

PATRICK DENNIS MURPHY '81, ROBERT WILLIAM NORTON '81.

*Most Valuable Defensive Player in Football Award.*

Not awarded.

*Most Valuable Offensive Player in Football Award.*

Not awarded.

*Cy Perkins Track Award.*

JAMES FRANCIS O'GRADY '82.

*Edward C. Roundy Memorial Baseball Award.*

PAUL RICHARD BELANGER '81.

*Mike Ryan Track Award.*

JAMES FRANCIS O'GRADY '82.

*Theodore N. Shiro Basketball Award.*

WILLIAM WALKER STOREY '82.

*Squash Award.*

*Most Valuable Player:* CHAMPE ANDREWS FISHER, JR. '81.

*Herbert E. Wadsworth Football Awards.*

PAUL RICHARD BELANGER '81, JOHN HENRY DONEGAN '81, BRUCE KEVIN STOKES '81.

*Robert "Tink" Wagner Baseball Award.*

ROY HOWARD DOW '84.

*Norman E. Walker Hockey Award.*

PAUL KARL MAIER '82.

*Matthew Zweig Award.*

JEFFREY GRANT DOUGLAS '81.

WOMEN'S ATHLETICS *Basketball Awards.**Most Improved Player:* SUSAN LEE KALLIO '82.*Most Valuable Player:* SUSAN LEE KALLIO '82.*Cross-country Award.**Most Valuable Runner:* VIRGINIA REBECCA LOW '81.*Field Hockey Awards.**Most Improved Player:* MAUREEN BETRO '84.*Most Valuable Player:* SARA STILLMAN BUNNELL '81.*Ice Hockey Awards.**Captain's Cup for Team Spirit:* KIMBERLY JEAN WADKINS '81.*Most Improved Player:* WENDY RUNSTADLER '83.*Most Valuable Players:* MARY WHELAN COE '81, PAMELA JEANNE WOODS '81.*J. V. Field Hockey Awards.**Most Improved Player:* Not awarded.*Most Valuable Player:* Not awarded.*J. V. Lacrosse Award.**Most Improved Player:* MICHELLE ELIZABETH PAULES '84.*Lacrosse Award.**Most Valuable Player:* MARY WHELAN COE '81.*Soccer Awards.**Captain's Cup for Team Spirit:* ANNE HERBERT TIEDEMANN '84.*Leadership Award:* Not awarded.*Most Improved Player:* MAURA ANN CASSIDY '84.*Most Valuable Player:* JEFFRA ANN BECKNELL '82.*Softball Award.**Most Valuable Player:* PAMELA JEANNE WOODS '81.*Spring Outdoor Track Awards.**Coaches' Award:* Not awarded.*Most Valuable Runner:* LIZABETH ANNE MURPHY '83.*Squash Award.**Most Valuable Player:* BARBARA ELLEN BULLOCK '81.*Swimming Awards.**High Point Award:* LISA MARIE TOURANGEAU '84.*Most Valuable Swimmer:* SARA ANN ROBINSON '81.*Tennis Awards.**Most Improved Player:* SANDRA VANDERBEEK WINSHIP '84.*Most Valuable Player:* MAURA ANNE SHAUGHNESSY '83.*Winter Indoor Track Award.**Most Valuable Runner:* LIZABETH ANNE MURPHY '83.

# Interviewers for Admission 1981-82

This list is arranged alphabetically by states and numerically by zip codes.

## ALASKA

Mr. Edward S. Cronick '75  
2419 Telequana Drive  
Anchorage 99503

## CALIFORNIA

Ms. Barbara Monahan '67  
4223 Wilkinson Avenue  
Studio City 91604

Miss Carol C. Miller '79  
16851 Bluewater Lane  
Huntington Beach 92649

Mr. Lloyd I. Cohen '59  
18524 Cottonwood  
Fountain Valley 92708

Miss Joy Sawyer '77  
Thacher School  
Ojai 93023

Rev. Robert Peale '51  
1904 South C Street  
Oxnard 93030

Mrs. Lawrence W. Carr '60  
24285 Summerhill  
Los Altos 94022

Mrs. Richard Canton '57  
457 Walsh Road  
Atherton 94025

Mr. Francis J. Evans '75  
221 Sansoms Street  
San Francisco 94104

Mrs. S. Baines Howard '53  
4882 Richmond Avenue  
Fremont 94536

Mr. John W. E. Vollmer '60  
1623 Silver Dell  
Lafayette 94549

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Mill Valley 94941

Mrs. Anne H. Jordan '73  
19 Stasia Drive  
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## COLORADO

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Denver 80210

Mrs. George Clymer '57  
508 High Street  
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Mr. John Smedley '79  
1020 12th Street, #9  
Boulder 80302

Ms. Martha DeCou '66  
28591 Moss Rock Road  
Golden 80401

Mrs. Roland C. McEldowney '63  
29434 Green Wood Lane  
Evergreen 80439

## CONNECTICUT

Mrs. Gerard Haviland '61  
84 Coppermine Road  
Farmington 06032

Mr. Arthur White '52  
Hotchkiss School  
Lakeville 06039

Mr. Anthony M. Maramarco '71  
34 Alder Road  
Simsbury 06070

Miss Ellen Owens '81  
62 Library Lane  
Simsbury 06070

Mr. Harry R. Offinger '78  
19A Capitol Avenue  
Hartford 06106

Mr./Mrs. Lawrence Bigelow '72/'73  
67 Bentwood Road  
West Hartford 06107

Mr./Mrs. Thomas Cleaves '72/'69  
52 Newport Avenue  
West Hartford 06107

Mr. Norman P. Lee '58  
6 Paxton Road  
West Hartford 06107

Mr./Mrs. Robert Roth '51/'51  
96 Van Buren Avenue  
West Hartford 06107

Miss Virginia Bulford '81  
37 Cross Road  
Waterford 06385

Mr./Mrs. L. Fleming Fallon, Jr.  
'72/'74

508 Oak Avenue, Apt. 6  
Cheshire 06410

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Middletown 06457

Mr./Mrs. Karl Decker '54/'54  
R.F.D. 5, 692 Elm Street  
Monroe 06468

Mrs. James C. Hummel '59  
White Oak  
Southbury 06488

Mr. George M. Cain '66  
28 Elaine Street  
Trumbull 06611

Mr. Robert E. Neilsen '59  
28 Park Place  
New Canaan 06840

Mr. Jay H. Sandak '68  
63 Old Gaston Turnpike  
Weston 06883

Miss Ronnie-Jo Posner '78  
66 Indian Rock Road  
Stamford 06903

Mrs. Marsha Palmer Reynolds '63  
154 Cold Spring Road, #25  
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Hollis Center 04042

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Orr's Island 04066

Miss Mari Samaras '81  
R.F.D. 4  
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Scarborough 04074

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Scarborough 04074

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South Windham 04082

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Topsham 04086

Mrs. David R. O'Brien '77  
Yarmouth Woods, I-1  
Yarmouth 04096

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27 Hedgerow  
Falmouth Foreside 04105

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Cape Elizabeth 04107

Mrs. Daniel (Lisa) Rapaport '77  
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Cape Elizabeth 04107

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63 Loring Avenue  
Auburn 04210

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Mr. Brian Shacter '66  
Wayne 04284

Mrs. James Castonguay '71  
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Bangor 04401

Mr. Swift Tarbell III '72  
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Bangor 04401

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Millinocket 04462

Mr./Mrs. Gordon Bowie '65/'65  
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Winterport 04496

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Rockport 04856

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Gambrills 21054

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Glencoe 21152

Ms. Sally Janney '76  
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Baltimore 21212

Ms. Angela Mickalide '79  
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Baltimore 21218

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Longmeadow 01106

Ms. Betsy C. Brigham '75  
22 Crestmont Street  
Springfield 01108

Mr./Mrs. Robert E. Brolli '59/'62  
Furnace Road  
Richmond 01254

Mr. David Bolger '81  
Pleasant Street  
Groton 01450

Mr. Alan H. Blanker '73  
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Greenfield 01301

Ms. Deborah T. Glass '67  
Littleton Road  
Harvard 01451

Ms. Jana Kendall Harrison '78  
49 Heritage Lane, Building #10,  
Apt. C6  
Leominster 01453

Mr. John A. Lumbard '76  
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Grafton 01519

Mr. Jay Krusell '81  
Bell Hill  
North Brookfield 01535

Mr. Richard J. Lane '70  
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Worcester 01608

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Framingham 01701

Mr. Stephen Wurzel '69  
11 Cahill Park Drive  
Framingham 01701

Mr. Benjamin R. Sears '52  
31 Sweetwater Avenue  
Bedford 01730

Mr. Clifford A. Bean '51  
10 Wood Street  
Concord 01742

Ms. Ann C. Conway '76  
52 Bedford Street  
Concord 01742

Miss Susan K. Nutter '66  
1729 Wedgewood Common  
Concord 01742

Mr. Edward Ruscitti '61  
3 Caroline Drive  
Milford 01757

Ms. Barbara Croft '79  
13 Euclid Avenue  
Natick 01760

Mr./Mrs. John C. Parsons II '65/'65  
15 Greenleaf Road  
Natick 01760

Mr. Solomon J. Hartman '67  
145 Woodland Street  
Sherborn 01770

Dr./Mrs. Alton Lamont, Jr. '52/'52  
7 Clubhouse Lane  
Wayland 01778

Mr. Donald D. Mordecai '60  
223 Glezen Lane  
Wayland 01778

Miss Edith E. Emery '37  
59 Chandler Street  
Haverhill 01830

- Mrs. Douglas B. Allan '33  
37 Bradstreet Road  
North Andover 01845
- Mr. Donald Hyde '78  
485 Wood Lane  
North Andover 01845
- Mr. Mark Shovan '67  
Brooks School  
North Andover 01845
- Mr. Frederick R. Boyle '51  
267 Grove Street  
Reading 01867
- Dr. Barry Rabin '76  
202 Broadway  
Wakefield 01880
- Mrs. Robin Cote '70  
45 Hayes Avenue  
Beverly 01915
- Mrs. Louise M. Robbins '65  
13 Thorndike Street  
Beverly 01915
- Mr. Gerald Wolper '58  
6 Berrywood Lane  
Beverly 01915
- Mr. Robert S. Lee '51  
128 Maple Street  
Hotwatt, Inc.  
Danvers 01923
- Mr. David Bergquist '61  
4 Harrington Way  
Manchester 01944
- Mr. Kenneth W. Gorman '73  
P.O. Box 1506  
Manchester 01944
- Miss Elizabeth Burton '81  
4 Pig Rock Lane  
Marblehead 01945
- Mr. Richard A. Vose '51  
2 Livingston Drive  
Peabody 01962
- Mrs. Richard L. Hampton '55  
48 Fox Run Road  
Topsfield 01983
- Miss Alison Coady '65  
25 Spring Lane  
Canton 02021
- Ms. Ingrid Gjestebj '79  
81 Old Pasture Road  
Cohasset 02025
- Mr. Whitford S. Bond '63  
705 Westfield Street  
Dedham 02026
- Mr. William C. Foehl '59  
Centre Street  
Dover 02030
- Mr. Russell MacPherson '70  
3 Crest Drive  
Dover 02030
- Mr. R. Geoffrey Neville, Jr. '81  
81 Glen Street  
Dover 02030
- Mr. Paul G. Black '77  
1 Neal Gate Street  
Greenbush 02040
- Mr. Charles A. Pearce '49  
957 Main Street  
Hingham 02043
- Mrs. Leland D. Potter, Jr. '66  
12 Village Lane  
Hingham 02043
- Mrs. Joseph J. Belmosto '73  
34 Marshview Street  
Marshfield 02050
- Mr./Mrs. Doug Gorman '73/'74  
215 South Street  
Medfield 02052
- Miss Deborah Paul '81  
12 Acorn Street  
Scituate 02066
- Mr. Harvey S. Coco '81  
Tufts University School of  
Dental Medicine  
Pofner Hall  
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- Mr. Scott W. Houser '76  
180 Commonwealth Avenue, #2  
Boston 02116
- Mrs. Bruce E. Camber '68  
4 Union Park  
Boston 02118
- Ms. Lynn Collins '80  
374 Chestnut Hill Avenue, Apt. 55  
Brighton 02135
- Ms. Deborah A. Ralphs '78  
25 Claymoss Road, Apt. #3  
Brighton 02135
- Ms. Blair Washburn '79  
78 Chestnut Hill Avenue  
Brighton 02135
- Mr. Robert A. Weinstein '76  
25 Longfellow Road  
Cambridge 02138
- Ms. Jennifer Frutchy '76  
108 Washington Avenue  
Cambridge 02140
- Mr. William B. Williamson II '71  
24 Frost Street  
Cambridge 02140
- Mr. Leon T. Nelson, Jr. '60  
175 Freeman Street, #213  
Brookline 02146
- Ms. Cathy Talbot '80  
92 Lancaster Terrace  
Brookline 02146
- Miss Susan E. Hannigen '76  
1808 Stearns Hill Road  
Waltham 02154
- Mr. Joel Cutler '81  
172 Cotton Street  
Newton 02158
- Ms. Jacqueline S. Low '80  
377 Waverley Avenue  
Newton 02158
- Mr. Marvin S. Joslow '48  
74 Elinor Road  
Newton Highlands 02161
- Miss Peggy S. Braasch '77  
149 Dorset Road  
Waban 02168

Mr. Mark McAuliffe '79  
68 Trafford Street  
Quincy 02169

Mr. William Welte '77  
5 Royal Street  
Watertown 02172

Ms. Michelle P. MacDonald '70  
6 Patterson Road  
Lexington 02173

Mr. John M. McGirr '67  
66 Burlington Street  
Lexington 02173

Mr. Kevin Schneider '79  
12 Lee Street  
Stoneham 02180

Mr. John T. King II '54  
8 Edgehill Road  
Wellesley 02181

Mr. David P. Donegan '78  
151 Brewster Avenue  
Braintree 02184

Ms. Meredith A. Turner '78  
50 McCusker Drive, Apt. 7  
Braintree 02184

Ms. Susan Reilly '78  
580 Adams Street  
Milton 02186

Mr. Jeffrey Werner '74  
185 Mediterranean Drive, Apt. 29  
Weymouth 02188

Mr. Michael S. McGlynn '72  
1639 Main Street  
South Weymouth 02190

Mr. Kurt A. Cerulli '78  
516 Park Drive  
Boston 02215

Miss Beth Pniewski '81  
395 Commonwealth Avenue  
Boston 02215

Mr. Andrew J. Karkos '31  
14 Langford Street  
Plymouth 02360

Mr. Valdir R. Macedo '77  
13 Riverside Drive  
Kingston 02364

Mr. Herbert Nagle '52  
106 Crickett Road  
Brockton 02401

Mr. Ronald J. Saad '65  
75 Huntington Street  
Brockton 02401

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East Sandwich 02537

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Mr. George H. Leberz, Jr. '52  
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Mr. Ralph W. Hilton '44  
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Mr. Ross A. Moldoff '79  
48 Perkins Road  
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Mrs. Albert F. Lilley '56  
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Ms. Susan A. Schink '73  
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Chappaqua 10514

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Brightwaters 11718

Miss Jessie McGuire '68  
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Lindenhurst 11757

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64 Lewis Road  
Northport 11768

Dr. Paul M. Ross '65  
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Solon 44139

Mr. Ormonde L. Brown '51  
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Hudson 44236

Mrs. Sidney S. (Ruth E.) Holmes  
'67  
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Hudson 44236

Mr. William D. Wooldredge '61  
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Hudson 44236

Dr. Lawrence S. Kaplan '47  
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Kent 44240

Ms. Judith de Luce '68  
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State College 16801

Ms. Jan Morris '79  
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State College 16801

Ms. Joanne Tankard '74  
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Boalsburg 16827

Miss Sally Fernsten '81  
6327 Stephen's Crossing  
Mechanicsburg 17055

Mrs. Sarah P. McIntosh '59  
25 Wall Street  
Bethlehem 18015

Dr. David S. Crocket '52  
301 Burke Street  
Easton 18042

Mr./Mrs. Daniel H. Traister '63/'65  
153 Jonathan Drive  
Easton 18042

Mr. Bill Ferretti '65  
3610 Catherine Drive  
Allentown 18103

Mr./Mrs. Thomas McK. Thomas  
'63/'65  
Church School Road, R.D. 4  
Doylestown 18901

Dr. Charles C. Leighton '60  
765 John's Lane  
Ambler 19002

- Mr. Chester D. Harrington, Jr. '51  
Outpost, 757 Newton  
Villanova 19085
- Mrs. Clifford Henrickson '66  
2 Copples Lane  
Wallingford 19086
- Mr. Alan E. Donnenfeld '78  
Penn Hospital  
8th & Spruce Streets  
Philadelphia 19107
- Mr. Kirk Paul '79  
523 Pelham Road  
Philadelphia 19119
- Mr. Lawrence R. Pugh '56  
1183 Reading Boulevard  
Wyomissing 19610
- RHODE ISLAND**
- Mr. Norval E. Garnett '51  
Dr. Norma A. Garnett '52  
73 Phillips Road  
East Greenwich 02818
- Mr. John C. Edes '58  
2 David Street  
Greenville 02828
- Mr. Gary P. Smith '81  
114 Boulevard  
Middletown 02840
- Mr. John S. Baxter '58  
41 Fiume Street  
Pawtucket 02860
- Miss Marissa D'Andrea '81  
15 Cormier Road  
Lincoln 02865
- Mr. Courtney L. Davis '60  
Box 382, 156 Ferry Road  
Saunderstown 02874
- Mr. Craig Weeden '68  
15 William Ellery Place  
Providence 02904
- Mr./Mrs. Michael J. Szostak '72/'72  
230 Eighth Street  
Providence 02906
- Mr. Robert McCaughey, Jr. '77  
1990-A Village Green Square  
East Providence 02915
- TEXAS**
- Miss Linda K. Wackwitz '72  
1618 Mosswood Circle  
Garland 75042
- Mr. Alden E. Wagner '44  
3812 Gillon Avenue  
Dallas 75205
- Mr. James S. Hall '50  
3928 Royal Palms Court  
Dallas 75234
- Mrs. Donald E. Gilbert, Jr. '64  
162 Plantation Road  
Houston 77024
- Mr. Lewis Krinsky '65  
11015 Olympia  
Houston 77042
- Mr. Stephen L. Mixer '76  
1958 Winrock Boulevard, #429  
Houston 77057
- VERMONT**
- Miss Priscilla Bondy '77  
206 West Canal Street  
Winooski 05404
- Mr./Mrs. Michael D. Flynn '61/'62  
Box 27A, R.R. 1A, Hills Point  
Road  
Charlotte 05445
- Mr./Mrs. John N. Carvellas '66/'68  
Wilderness Rise, R.D. 4  
Colchester 05446
- VIRGINIA**
- Mr. Jeffrey N. Silverstein '70  
6654 New Chandler Court  
Burke 22015
- Mr./Mrs. Nathaniel E. Butler  
'63/'63  
343 Club View Drive  
Great Falls 22066
- Mr. Stuart H. Rakoff '65  
2020 Chadds Ford Drive  
Reston 22091
- Mrs. Michael S. Starr '67  
10404 Hunter Ridge Drive  
Oakton 22124
- Mrs. Kevin (Gail) McCarthy '73  
913 North Montana Street  
Arlington 22205
- Miss Margaret C. Milligan '77  
1663 Preston Road  
Alexandria 22302
- Mr. Jonathan Fenton '77  
3132 Hanover Avenue, Second Floor  
Richmond 23221
- Mrs. Willard I. Walker '51  
6505 Barcraft Lane  
Richmond 23226
- Mr./Mrs. Curtis A. Sears '73/'73  
Route #4, Box 144R  
Covington 24426
- WASHINGTON**
- Mr. James E. Harris '64  
2302 200th Avenue, S.E.  
Issaquah 98027
- Mrs. Mary Collegeman '53  
8400 S.E. 82nd Street  
Mercer Island 98040
- Mr. Don Vollmer '56  
7232 West Mercer Way  
Mercer Island 98040
- Mr./Mrs. David Galvin '75/'75  
3654 Dayton Avenue, North  
Seattle 98103
- Mr. Karl B. Ostendorf '66  
716 North 61st Street  
Seattle 98103
- Mrs. Brewster H. Gere, Jr. '66  
2315 18th, East  
Seattle 98112
- Mrs. Donald G. Sachs '45  
17820 4th, Southwest  
Seattle 98166
- Mrs. Jeremy Mattox '64  
2591 Perkins Lane, West  
West Seattle 98199
- WISCONSIN**
- Mr. John Ladky '74  
2916 North Marietta Avenue  
Milwaukee 53211

Miss Rosemarie Carbino '62  
1341 Morrison Street  
Madison 53703

Mr./Mrs. Bruce Davey '65/'64  
518 Virginia Terrace  
Madison 53705

Mr. Douglas Endreson '75  
University of Wisconsin Law School  
Madison 53706

Ms. Joanne S. Graaskamp '55  
234 Roosevelt Avenue  
Eau Claire 54701

#### ENGLAND

Mr. Richard G. Lucier '60  
19 Gayton Road  
London NW3

Mrs. Warren J. Randolph '57  
"The Cottage," Squire's Mount  
London NW3

#### THAILAND

Ms. Maureen Ulevich '70  
P.O. Box 775  
Associated Press  
Bangkok

#### WYOMING

Mr. Charlie Hurd '78  
Box 404  
Wilson 83014

#### AUSTRALIA

Dr. Ralph A. Bradshaw '62  
3 Stroy Street  
Parkville, Victoria 3052

#### CANADA

Mr. Robert Cockburn '59  
866 Windsor Street  
Fredericton, New Brunswick

Ms. Christiana S. Pope '74  
103 Capital Manor  
Fredericton, New Brunswick E3A  
2K7

Mr./Mrs. Andrew M. Hayashi  
'70/'70  
2937 Inlake Court  
Mississauga, Ontario L5N 2A4

Mrs. Albert F. Lilley '56  
R.R. 3  
Elgin, Ontario K0G 1E0

Miss Melissa Haussman '81  
Carleton University  
Ottawa, Ontario

Mr. Peter F. Winstanley '66  
c/o Standard Brands, Ltd.  
1 Dundas Street, W.  
Toronto, Ontario M5G 2A9

Mr. Daniel S. Timmons '70  
628 Parkview Street  
Otterburn Park, Québec J3H 2M4

# 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 1981-82

## FIRST SEMESTER

Thursday, September 10

Sunday, September 13

Monday, September 14

Saturday, September 19

Friday-Sunday, September 25-27

Friday-Sunday, October 16-18

Friday, October 23

Monday, October 26

Friday-Sunday, November 13-15

Wednesday, November 25, at the conclusion of  
12:30 classes to Monday, November 30, 8:00 a.m.

Friday, December 11

Saturday, December 12

Wednesday, December 16 *through*

Monday, December 21

Tuesday, December 22

Wednesday, December 23

Monday, January 4 *through*

Friday, January 29

Freshman program begins

Upperclass registration

First classes

Monday 1:30 classes meet at 8:30, Monday 3:00  
classes meet at 10:00

Weekend for families of sophomores, juniors,  
and seniors

Homecoming weekend

Midsemester

Midsemester break (no classes)

Weekend for families of freshmen

Thanksgiving recess

Last classes of the first semester

Last day for scheduled events

Semester examinations

Make-up examinations

Christmas recess begins (residence halls closed)

January program

## SECOND SEMESTER

Sunday, February 7

Monday, February 8

Friday, March 26

Friday, March 26, 5:30 p.m. to

Monday, April 5, 8:00 a.m.

Monday, May 3 *through*

Friday, May 14

Friday, May 14

Saturday, May 15

Wednesday, May 19 *through*

Monday, May 24

Tuesday, May 25

Sunday, May 30

Registration

First classes

Midsemester

Spring recess (residence halls closed)

Optional reading period for 300- and 400-level  
courses

Last classes of the second semester

Last day for scheduled events

Semester examinations

Make-up examinations

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.

# 1981

S M T W T F S

## JULY

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## AUGUST

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## SEPTEMBER

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## OCTOBER

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# 1982

S M T W T F S

## JANUARY

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S M T W T F S

## JULY

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## AUGUST

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# 1983

S M T W T F S

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## APRIL

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## MAY

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## JUNE

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Colby College  
Waterville, Maine 04901

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at Waterville, Maine















