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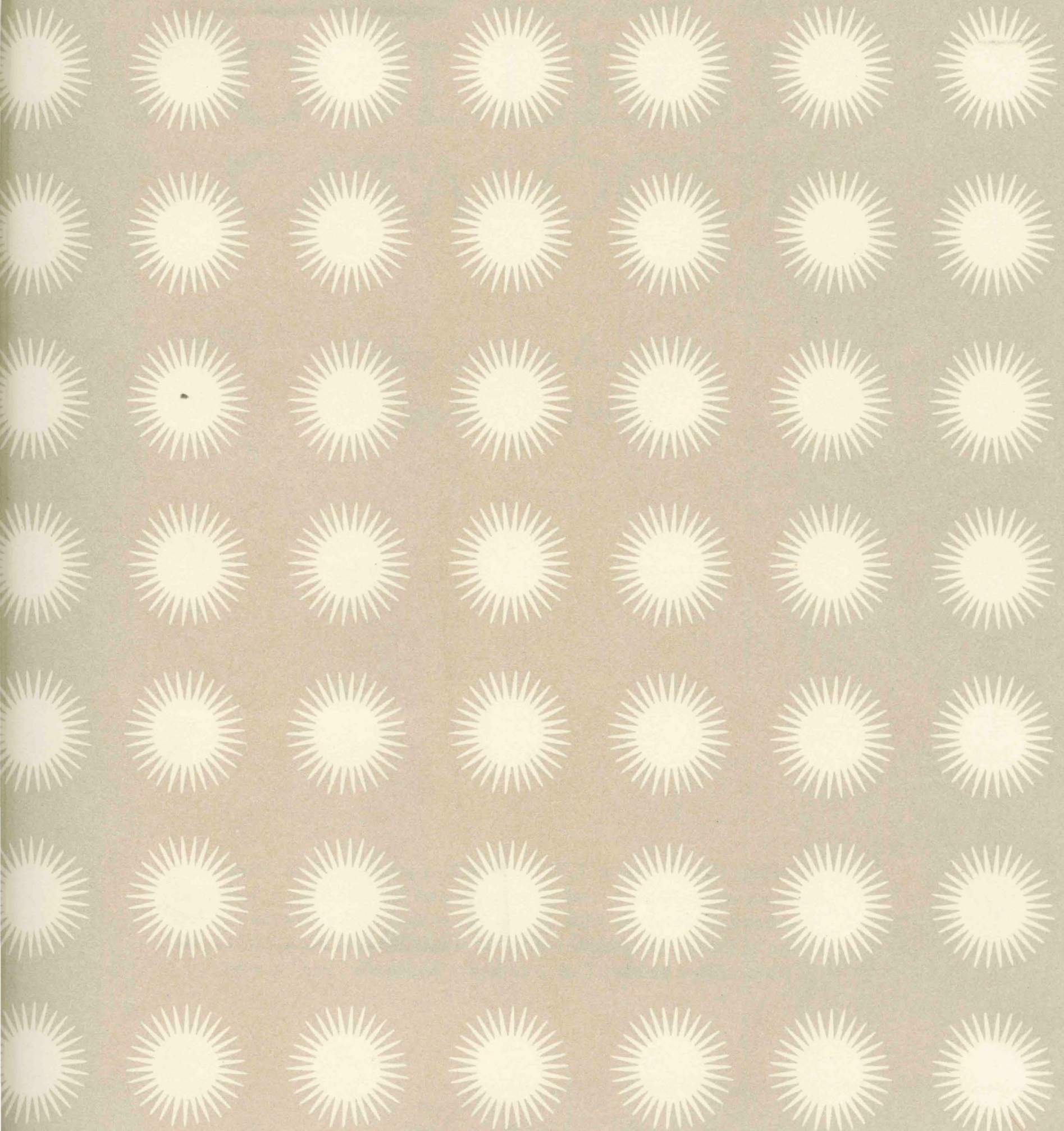
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COLBY COLLEGE BULLETIN

Catalogue, September 1980



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COLBY COLLEGE CATALOGUE

Colby College Bulletin
September 1980

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>
FOREIGN STUDENT ADVISOR	PETER JORDAN, <i>Director of Intercultural Activities</i>
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HOUSING	JANICE SEITZINGER, <i>Associate Dean of Students</i>
JANUARY PROGRAM	ELIZABETH KIRALIS, <i>Assistant to the Dean of Faculty</i>
RECORDS AND TRANSCRIPTS	GEORGE L. COLEMAN II, <i>Registrar</i>
SCHOLARSHIPS, STUDENT EMPLOYMENT	GARY N. WEAVER, <i>Director of Financial Aid</i>
CAREER PLANNING	PATRICIA L. HICKSON, <i>Director of Career Planning</i>

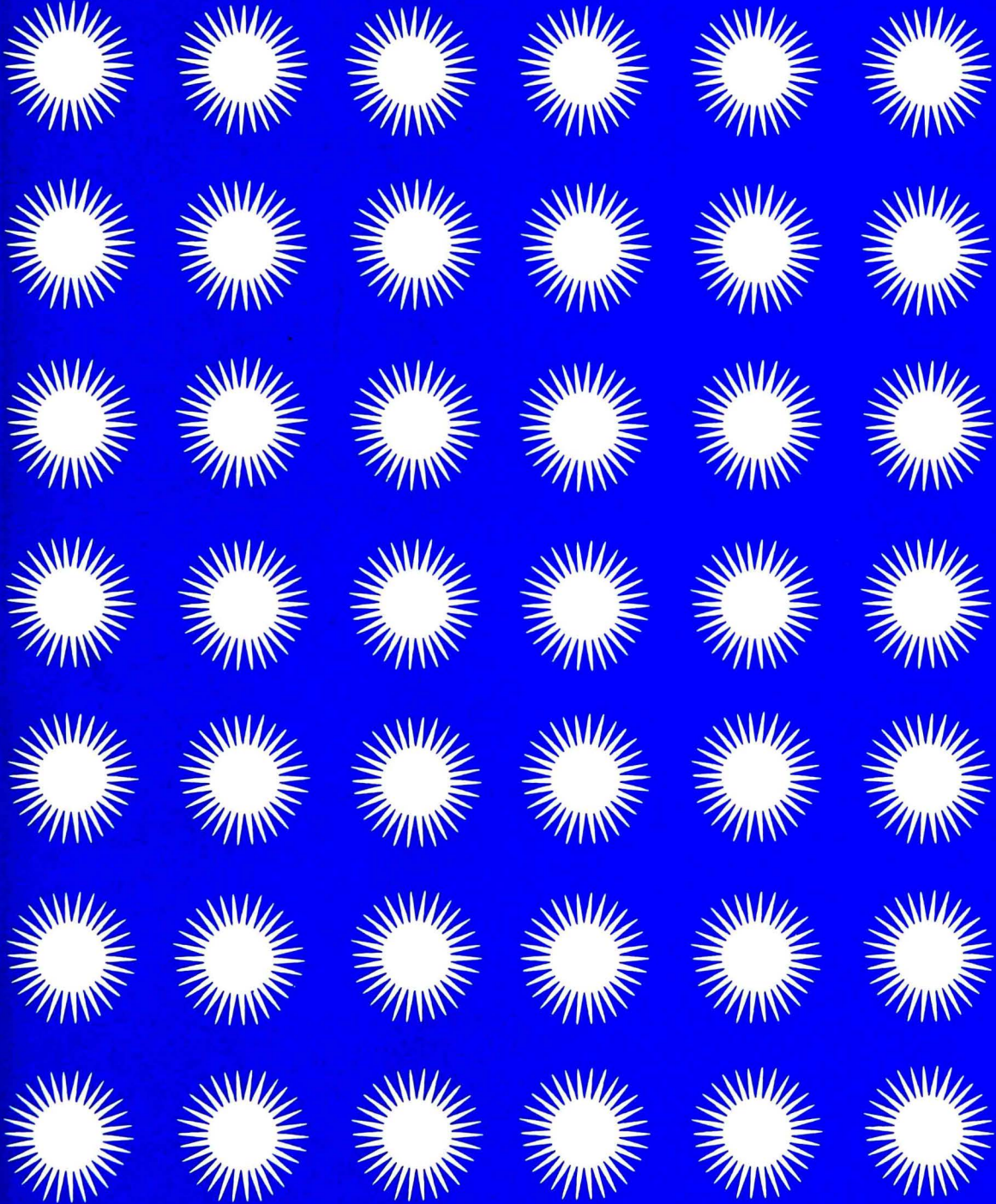
Mailing address: Colby College, Waterville, Maine 04901.
Telephone: (207) 873-1131.

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

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

Colby College admits qualified students of any race, religion, or national or ethnic origin without regard to sex or handicapped status. It does not discriminate on the basis of 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	1,693 (opening, 1979).
FACULTY	152 full-time and part-time.
ENDOWMENT	\$24,665,026 (market value as of June 30, 1979).
LIBRARY	360,000 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 for Indian Studies, and American Studies Association. Corporate member of American Association of University Women; chapter of American Association of University Professors. Colby chapter of Phi Beta Kappa founded 1895; New England Small College Athletic Conference.
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. 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 was inaugurated as Colby's eighteenth president. His initial year was distinguished by significant innovations and developments: the establishment of the Ralph J. Bunche Scholarship Program for outstanding minority students; an extensive curriculum review; authorization by the board of trustees for a new dormitory and a major renovation-expansion of Miller Library; the establishment of Colby overseers to serve as an advisory council to the college; and a program of visiting committees in academic and administrative areas.

The growth of Colby since the transfer to Mayflower Hill has been striking. On 900 acres there are now forty-one buildings and several playing fields. Enrollment has risen from 600 to 1,600, and students come from two thirds of the states and many foreign countries. The faculty, numbering fifty-six in 1940, now is 152. Endowment has increased from three million to twenty-five 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.

RESIDENTS

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 fur-

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

On the occasion of the college's 150th anniversary, in connection with a convocation dedicated to the general subject *The Heritage of Mind in a Civilization of Machines*, President Strider wrote: "Colby and other colleges were founded upon ideals that have not changed. A center for sound learning in the quiet wilderness of Maine in 1813 was something to be desired. The quiet wilderness almost everywhere is gone, and the cacophonous megalopolis that stretches the length of our Atlantic coast

has crept to the margins of the forests to the North. But the need for sound learning remains, and the human race, wherever it is found, still faces the fundamental questions that are prompted by man's perennial curiosity." In the 1980's Colby College is maintaining this commitment.

The Campus

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

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

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

The new 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 eat on campus. Classes are distributed equally through all eighteen dormitories, some of which are coeducational.

A new residence hall, located on the wooded slope behind the chapel, is expected to be completed by the fall of 1981. Designed to take optimum advantage of passive solar energy, the building will accommodate 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.

In September 1980, a student-operated coffee house will be opened in Mary Low Hall.

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

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

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, at the center of the campus, is about to undergo an extensive renovation 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 library is a member of the New England Library Network. 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 360,000 volumes. The library has 1,400 current periodicals, with strong retrospective runs, and daily newspapers from this country and abroad. In addition, on file are specialized types of material such as microfilms of newspapers, periodicals, and documents, a spoken-record collection, some films, and video tapes. Miller Library is a selective depository for United States government documents.

There are two libraries devoted to departmental collections. The Bixler Center has the Ambrose Coghill Cramer Room for the library of fine arts and music. The science collections are housed in the 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 Masefield, William Dean Howells, and Thomas Mann.

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

George Bernard Shaw, and many others. The Healy Collection has 6,000 primary and critical sources representing the Irish Literary Renaissance, 1880-1940.

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

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

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

The Academic Program

DIVISIONS OF INSTRUCTION

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

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

THE STUDENT'S PROGRAM

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

To assure distribution among the divisions mentioned above, students must include English composition and literature, a foreign language (unless exempted by examination), and courses to meet "area" requirements in the humanities, social sciences, and natural sciences. Programs 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 is assigned to a member of the faculty who advises him during the first year; at the end of that year he is assigned a new adviser from the department in which he has declared his major.

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

which he might later wish to major. As a service to new students seeking assistance with their academic programs, the office of the dean of students maintains a “hot line” on which specific questions can be answered.

GRADUATION
REQUIREMENTS

To qualify for the degree of Bachelor of Arts, a candidate must meet specific requirements in quantity, quality, distribution, and concentration, and must also complete a January program for every first semester in residence to a maximum of four (see also JANUARY PROGRAM OF INDEPENDENT STUDY).

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 course numbered above 123 in a modern foreign language 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, 223, 224, 351, 352, 353, and 358; Philosophy 313, 355, 356, and 372; philosophy and religion seminars when topics are relevant)

B. NATURAL SCIENCES

Astronomy

Biology

Chemistry

Geology

Mathematics

Physics

C. SOCIAL SCIENCES

Administrative Science

Ancient History

Economics

Education

Government

History

Philosophy and Religion (except courses listed among
the humanities)

Psychology

Sociology

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

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

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

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

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

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

INDEPENDENT MAJORS

A student may design an independent major by presenting a detailed written proposal prepared with the support of an ad-

viser 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.

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.

JANUARY PROGRAM OF INDEPENDENT STUDY

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

Great diversity is evident in the nature and conduct of the projects, which may be undertaken with a group or independently. Upperclass students may work on campus or away, in laboratories, museums, libraries, hospitals, professional offices, government agencies, and the like. The college does not impose restrictions on the subject matter nor on the method of research, but each project must have demonstrable academic or creative merit and be conducted through direct supervision by the faculty sponsor or an off-campus supervisor working with the sponsor.

Because the January program assures most students considerable flexibility in use of their time, it offers a chance to participate fully in extracurricular activities 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 successfully complete one January program for each first semester in residence unless he studies abroad or on exchange during the second semester with the approval of the college. (For students entering Colby in September 1981 and thereafter, three January programs will be required, including one taken during the freshman year. In the fall of 1980, the faculty will consider adjustments in the January program requirement for students already in progress toward their degrees.)

Beginning in 1981-82, credit options will be added to the January program. Programs may be offered for two or three credit hours, either basic or flexible depending on the subject matter; noncredit programs will continue to be offered. The January program requirement for graduation can be satisfied with credit or noncredit programs; credits earned in January permit students to reduce the number of credits for which they would otherwise need to register during semesters.

Registration for the program takes place during the first semester, when descriptions of group projects and a list of facul-

ty available during January are published. Two options are offered:

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

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

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

January programs are graded *honors*, *pass*, or *fail*. Marks of *Abs* (absent from final examination) or *Inc* (work otherwise incomplete) may be given only in cases where the student has an excuse from the dean of students. A grade of *CF* (conditional failure) may be reported if the sponsor judges the work generally creditable but flawed by errors or inadequacies which may be corrected by the student. Projects receiving grades of *Abs*, *Inc*, or *CF* must be completed by the end of spring vacation.

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

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

SENIOR SCHOLARS

This honors program permits a limited number of seniors to devote six credit hours per semester to a project approved by a faculty committee and pursued under the guidance of a faculty

member. A final report is judged by three faculty readers and, upon successful completion, the senior scholar's report is deposited in the college library. Senior scholars are cited in the commencement exercises.

FOREIGN STUDY

Colby has a Junior Year Abroad program in France, established in 1970 with the University of Caen. Details of the program are available from the department of modern foreign languages.

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

By agreement with Manchester College Oxford, 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 experiences which have a direct, demonstrated relationship to their major field of interest. Such field experiences may be done while in residence at the college, concurrent with regular course work, or away from campus while on a leave of absence. Students must submit a formal proposal, to be approved by the appropriate academic department in advance of the start of the field experience. 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.

FOREIGN STUDENTS

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

Students from foreign countries other than Canada should

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

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

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

The adviser to foreign students is Peter Jordan, director of intercultural activities.

COMPUTER RESOURCES

Students have free access from more than a dozen keyboard terminals to two Digital Equipment PDP-11 time-sharing systems. One runs RSTS/E and supports programming in BASIC or FORTRAN; the other runs Bell Laboratories' UNIX operating system and allows users to program in C, PASCAL, APL, FORTRAN, BASIC, or assembly language. Several microcomputers are also available for student use. Informal instruction is provided in the use of computers, and several courses in mathematics and the sciences make use of computer facilities.

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.

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.

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

AUDITING COURSES

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

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

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

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 send grades directly to parents. In practice, a student often obtains his mark directly from the instructor, but the only official record is that in the registrar's office. Normally, grades are posted as *A*, *B*, *C*, *D*, *E*, *F*; pluses and minuses may be appended to grades of *A* through *D*. Courses described as "nongraded" are marked *Cr* (credit) or *NC* (no credit). If a course has been elected to be taken on a pass/fail basis, the registrar will convert the letter grade to *P* or *NP* before recording and releasing it.

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

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

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

A mark of *Abs* indicates that a student has been absent from the final examination (see EXAMINATIONS). A mark of *Inc* indicates a course not finished for some reason other than failure to take the final 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 se-

mester. After these dates, any remaining mark of *Abs* or *Inc* will be changed to an *F*. The dean of students may give limited extensions for the completion of work without penalty but only for excuses similar to those acceptable for missing a final exam.

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

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

The letter *R* is used together with an appropriate mark when a student has repeated a course previously passed, and in such a case there can be no additional credit in terms of credit hours.

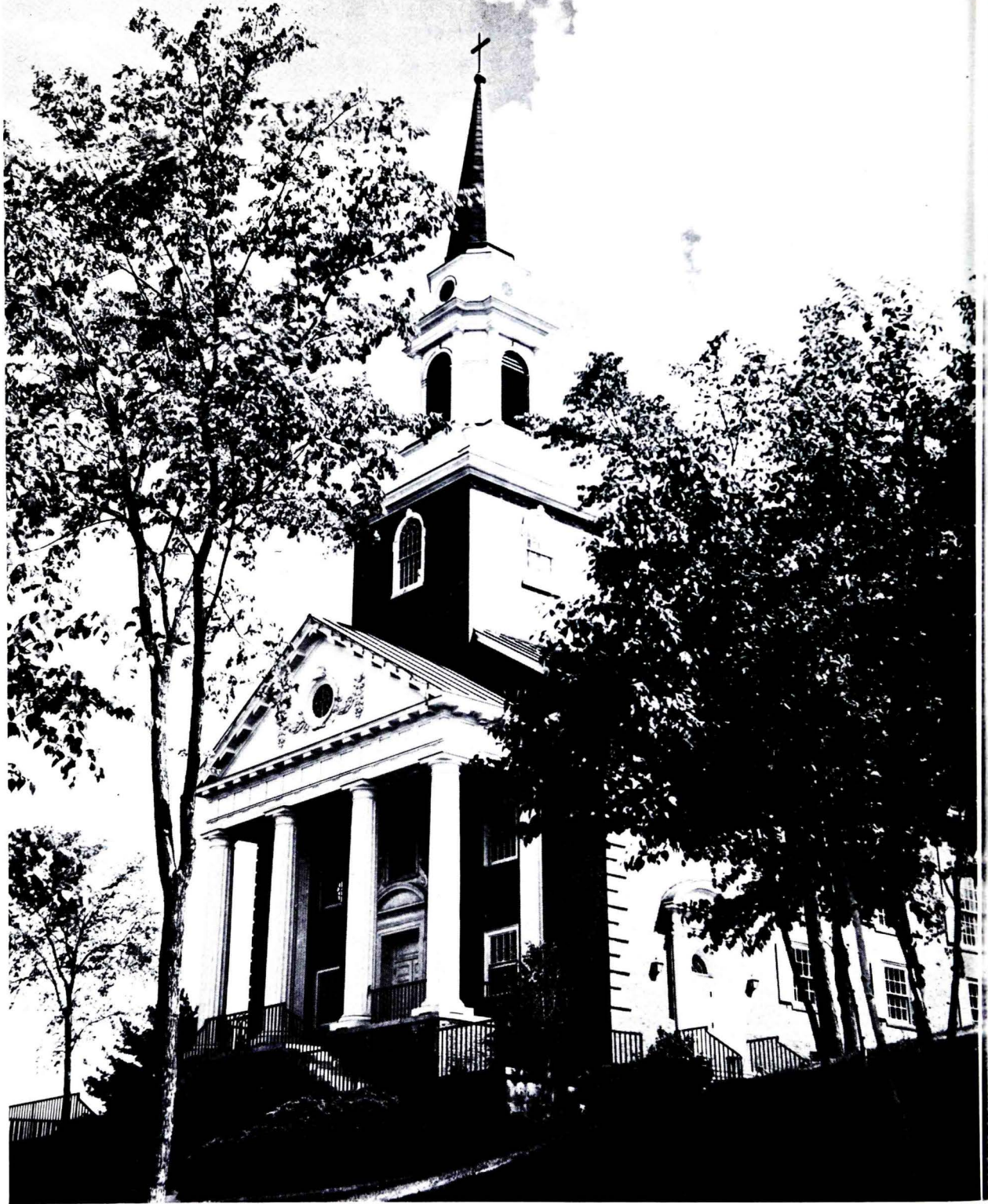
When a student's academic record is seriously deficient, the decision to retain or dismiss him from college or to place him on probation is made by the committee on standing. The committee considers both quantity and quality of work in determining progress. The faculty has endowed this committee with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

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.





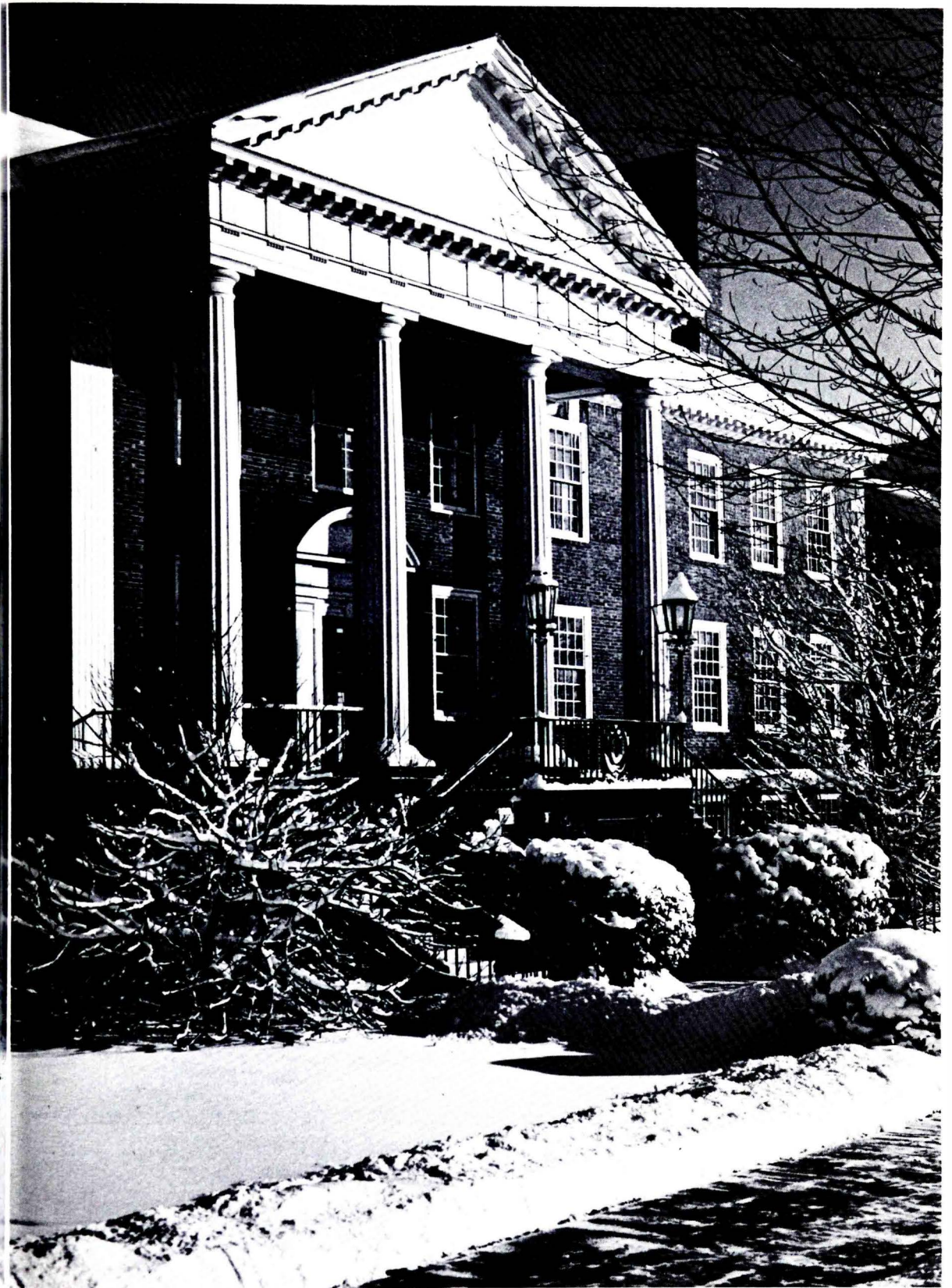
Lorimer Chapel

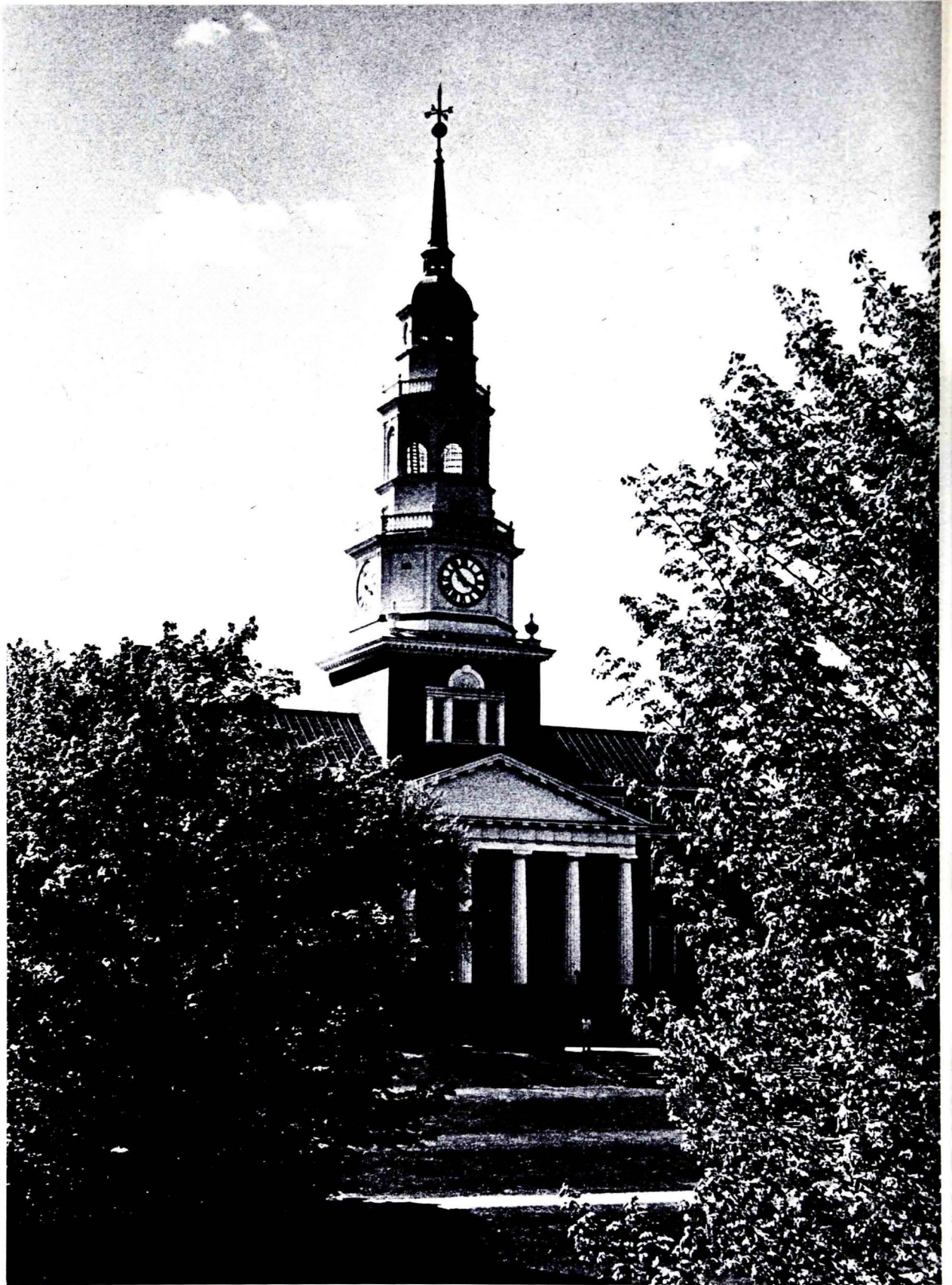


COLBY LIBRARY

Championship meet, Fieldhouse

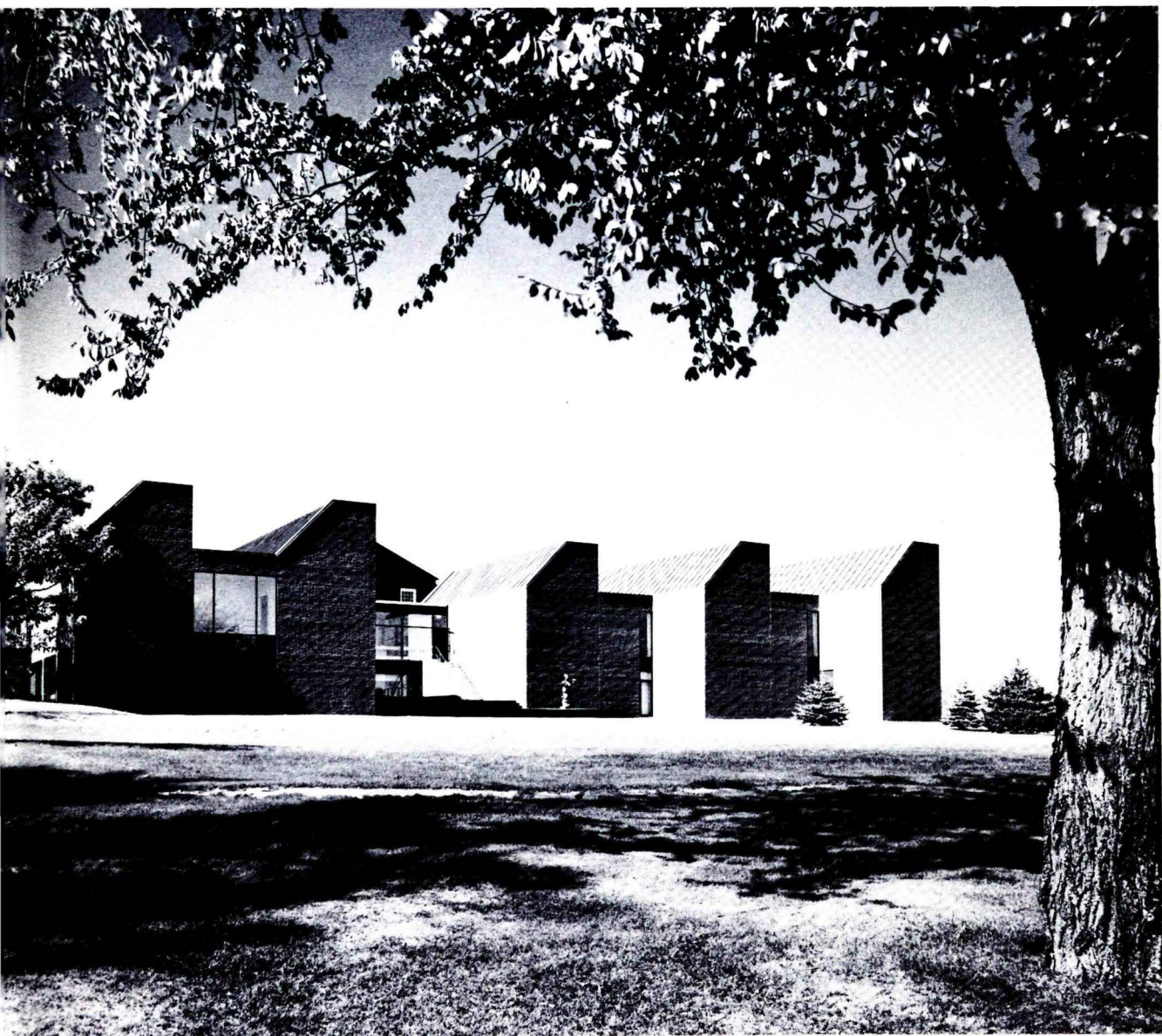






Miller Library

Museum of Art



COLBY LIBRARY

Across Johnson Pond



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 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.

TRANSFERRED CREDITS

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

- (1) When students are admitted by transfer, their records are tentatively evaluated by the registrar to determine the transferable equivalent in Colby courses. These courses are credited subject to confirmation through satisfactory progress at Colby College.
- (2) College level courses taken by freshmen prior to matriculation are evaluated on the same basis as courses presented by new transfer students.
- (3) Students on approved foreign study or student exchange programs will receive credit under terms specified by the committee on foreign study and student exchange programs. Credits earned in summer school may be transferred if approved by the appropriate Colby department; forms for this purpose can be obtained at the registrar's office and should be filed prior to taking the course. No student may receive credit toward graduation for more than fourteen credit hours taken in summer school for the purpose of making up deficiencies incurred at Colby.

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

Admission

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

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

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

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

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, junior or senior SAT's, and three achievement tests (English composition and two others) prior to January 15, and include the printed form requesting early decision. Early decision candidates may file regular applications to other colleges with the understanding that these will be withdrawn if the candidate is accepted on an early decision basis at Colby.

College notification of action is normally given within four weeks of the receipt of the completed application but no earlier than December 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 and Air New England.

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.

NONMATRICULATED
STUDENTS

Subject to limitation of enrollment in individual courses and the consent of the instructors, the college permits adults to enroll as nonmatriculated students. Such persons must present evidence that they are qualified to pursue the intended courses and pay the fee of \$205 per credit hour. Individuals sixty-five or older may audit a course without charge.

A limited number of gifted area secondary students may take a course at Colby for an administration charge of \$30. These students are recommended for selection to the dean of admissions, who has the responsibility for the admission of non-matriculated students.

HEALTH CERTIFICATE

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

Orientation

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

READING TESTS

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

PLACEMENT IN MATHEMATICS

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

PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1980-81 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>
1980-81	Tuition	\$2,695	\$2,695	\$5,390
	Board	605	605	1,210
	Room	495	495	990
	General Fee	290		290
		<hr/>	<hr/>	<hr/>
		\$4,085	\$3,795	\$7,880

CALENDAR OF PAYMENTS	<i>Upon acceptance for admission</i>		
1980-81	<i>June 15</i>	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.)	\$4,085
	<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.)	\$3,795
	<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.

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 \$2,695 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 \$205 per credit hour. Nonmatriculating students will be charged at the rate of \$205 per credit hour.

Board: Board in college dining halls is charged at the rate of \$605 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 \$495 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 ar-

rangements 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 \$290 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.

Telephone: Telephones are located in each room of the following dormitories and fraternity: Dana, Taylor, Sturtevant, and KDR. Each student living in these housing facilities is charged a fee of \$12 per semester for the use of these telephones.

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 \$5,500 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 in-

dividual 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.

The business office cannot permit deferred payment of any portion of the charges due prior to registration. Students and parents must deal directly with the controller 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 feder-

ally 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.

VERPAYMENTS

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 nearly two million dollars in grants, loans, and campus employment to approximately 600 students, or thirty-five percent of the enrollment. The average award in 1979-80 was \$3,350. In addition, Colby administers the full range of federal and state financial aid programs, including Basic Grant (BEOG), 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 student financial aid.

Campus Life

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 1979-80 exhibitions were the annual *Student Arts Festival*; *Prints by Deli Sacilotto*; *Chinese and Japanese Paintings and Prints*, from the museum's collection; faculty exhibition: *Barbara Kasel, Harriett Matthews, Recent Work*; *Sculpture by Athena Tacha*; *Contemporary Prints*, from the museum's collection; alumni exhibition: *Recent Work by Professional Artists*; *Eight Hundred Years of Chinese Painting and Calligraphy*, album leaves from the collection of the Museum of Fine Arts, Boston; the selections from the permanent collection that were exhibited (September 25-October 20) at the Davis and Long Company Gallery in New York; *Prints from Aeropress*, New York, arranged by Patricia Branstead, artist-in-residence; *African Art*, in conjunction with the Black Culture Festival; January Plan exhibition project: *Six Thousand Years of Chinese Ceramics*, arranged by Ellen Steeves '80; *Watercolors by James M. Carpenter*; selections from the permanent collection: *Juxtaposing Works of Similar Subject Matter but from Different Periods*; senior exhibitions; *Colby Alumni Photography Exhibition*. 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 1979-80 season were Kei Takei's Moving Earth Chamber Ensemble, an experimental dance company in residence for one week (under the trisponsorship of the Colby/Bates/Bowdoin Dance Alliance).

In addition to a rigorous rehearsal schedule in conjunction with their fall and spring concerts, the Colby Dancers and members of the music department presented a premiere performance of *Shakespeare in Music and Dance*, with original music by Adel Heinrich and choreography by 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 was reactivated in the spring of 1980 with the intention of organizing in the fall as the college's first coeducational fraternity.

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, hockey, lacrosse, golf, tennis, cross-country, indoor and outdoor track, swimming, and squash. Varsity as well as junior varsity teams compete in baseball, basketball, and soccer. 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.

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 Winthrop H. Smith Visiting Scholars Program brings a speaker for two days to lecture, to talk in classes, and to meet informally with students and faculty. The Spencer Lecture, established in 1973, focuses on topics relating to world unity. The Clara M. Southworth Lecture considers subjects in environmental design. The Guy P. Gannett Lectures focus on general subject areas not covered by other established lectures at the college. The Samuel and Esther Lipman Lectureship is devoted to Jewish studies and contemporary Jewish thought. The Grossman Lecture concerns itself with topics in the field of economics. 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 1979-80 were the Dana-Bixler Convocation: Henry B. Veatch, visiting professor of philosophy, Colby; Lovejoy Convocation: Katherine Fanning, editor and publisher, *Anchorage Daily News*; Spencer Lecture on World Unity: David H. Popper, former ambassador to Chile and Cyprus; Phi Beta Kappa Visiting Scholar: Anna J. Harrison, William R. Kenan Professor of Chemistry, Mount Holyoke College; Clara M. Southworth Lecture: Robert A. M. Stern, designer and architect; Grossman Lecture: Jan Hogendorn, The Grossman Professor of Economics, Colby; Winthrop H. Smith Visiting Scholar: Carlos Fuentes, Mexican author, critic, and diplomat; The Samuel and Esther Lipman Lecture: Cynthia Ozick, essayist and novelist.

Gannett lecturers were Sol Gittleman, chairman, department of German and Russian, Tufts University; Walter Carrington, acting president, African-American Institute; Victor Kiernan, professor-emeritus, history department, University of Edinburgh; Robert Spaethling, professor of German, University of Massachusetts, Boston; Vishwanath Naravane, visiting philosopher; John Chettle, director for North and South America of the South Africa Foundation, Washington, D.C.; Karl Guthke, professor of German, Harvard University; J. Dell Johnson, assistant professor of religion, Ohio Wesleyan University.

Other lecturers included Joseph C. Miller, professor of economic history, University of Virginia, Charlottesville; Derel C. Bok, president, Harvard University (convocation inaugurating William R. Cotter as the eighteenth president of Colby College); Linda L. Fagenholz, M.D. '68, codirector, outpatient clinic, department of pediatrics, St. Vincent Medical Center; Deborah Brooks, vocational rehabilitation, Department of Human Services; William Kazar, correspondent for *The Far Eastern Economic Review* and *Newsday*; Robert Morris, chairman, American Zimbabwe Rhodesia Association in New York City; Mr. Ncube, assistant director, Zimbabwe African Peoples Union in New York City; Kuang Mei, Asian scholar, in-residence, Colby; Henry Barber, mountain climber; Patricia

Branstead, artist-in-residence, Colby; Sister Margaret Dorgan, The Hermitage Monastery, Orland, Maine; Cliffe Knechtle, Inter-Varsity evangelist; Joel Horn '77; Karen Gustafson '77; Robert Campbell, advocate for the rights of mental patients; Charles Blockson, archivist and author; Alf Hildebeitel, professor of religion, George Washington University; Florence Denmark, president, American Psychological Association; Catherine E. Costello, department of chemistry, Massachusetts Institute of Technology; Harold Burrell, nurse practitioner, Mid-Maine Medical Center; Currier McEwen, M.D., Arthritis Foundation; Everett Ellis Briggs, career diplomat; Melvin Gottlieb, director, Princeton Plasma Physics Laboratory; Aloysius M. Lugira, visiting professor from the Center for the Study of World Religions, Harvard University; Larry Kasmin, emergency room physician; Stephen Toulmin, professor of social thought and philosophy, University of Chicago; Susan Haddad, Franklin Pierce Law Center; Josh Rubinstein, Amnesty International; William Worthy, correspondent and columnist, *Baltimore Afro-American*; Regina Herzlinger, author; Jane Morrison, filmmaker; Benjamin Schwartz, Leroy B. Williams Professor of History and Political Science, Harvard University; Marjorie Lalime, director, nutritional care, Mid-Maine Medical Center; Peter Ashton '76, research associate, Charles River Associates; Detmar Schnitker, Ira C. Darling Center, Walpole, Maine; Barbara Tennant, biology department, Stanford University; Jim Jordan, Institute of Fine Arts, New York University; Robert Schneider, Harvard Cyclotron Laboratory; Hal Prince, Broadway director; debate with John B. Randazza, vice-president, Central Maine Power Company and Maine Yankee, and Pat Garrett, Safe Power for Maine (energy advocacy group); Charles Simmonds, sculptor; Stephen Brooke '68, conservator, Augusta State Museum.

Poets and fiction readers were Steve Orlen, Mekeel McBride, Steve Bauer, Ira Sadoff, Charles Simic, Raymond Carver, Ken McClane, Cecil Giscombe.

MUSIC

Musical activities converge in the Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium and a new electronic music center, opened in 1978. Facilities for musical theater and opera are pro-

vided in the Performing Arts Center, while the Alma Morrisette McPartland Music Shell permits the adaptation of Wadsworth Gymnasium for large-scale choral and orchestral concerts. The Gould Music Shell, placed in a natural bowl on the northeast corner of the campus, is available for summer concerts.

Students are invited to participate (with or without academic credit) in the Colby Band, the Colby Community Symphony Orchestra, the Colby Glee Club, and the Lorimer Chapel Choir, all under faculty direction. There are also informal student groups: the Colby Eight, the Colbyettes, and others.

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Music Associates, a student-college-community group, which arranges the Colby Music Series and contributes to musical life on the campus. In 1979-80 the series included performances by the Hancock Woodwind Quintet; Claude Monteux and Jara Goodrich, flute and harp duo; Michael Rudiakov and Gilbert Kalish, violoncello and piano duo; the Composers String Quartet.

Among other programs were concerts by the Banchetto Musicale, baroque chamber orchestra; John Rynne and Judy Rynne, trumpet and piano duo; Louis Hall, Susan Heath, and Kathryn Ann Foley, oboe, flute, and piano trio; Douglas Rafter, organ; the Aeolian Chamber Players; Loose Caboose; Karla Bonoff; Robbie Craft and the Ivory Coast; The Blend; The Johnny Winter Group; Pat Metheny; Jean Rosenblum, flute; Peter Waring, organ; Joanne Low; Adrian Lo, viola.

Soloists for the Colby Community Symphony Orchestra concerts were Peter Zazofsky, violin; Raymond Pellerin, piano; Jara Goodrich, harp; Pei-loh Chia, harpsichord; Linda Hurwitz '82, violin. The Sunday Chapel Vesper Concerts offered recitals on the Walcker organ in Lorimer Chapel by the college organist and visiting artists. Concerts were given by college musical organizations, faculty, and students at Friday Noonday Recitals and on other occasions.

PERFORMING ARTS

In addition to the courses in dramatic literature offered by the departments of classics, English, and modern languages, Colby provides courses and opportunities for practical experience in

all the areas of theatrical production, as well as dance and music. The Strider Theater and the Dunn Dance Studio serve as laboratories for the arts and as performance centers.

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

Under the auspices of the performing arts program and with faculty supervision, productions are presented. The 1979-80 season offered *The Firebugs*, *Diary of a Scoundrel*, and John Gardner's *Helen at Home*, a world premiere performance.

Dance concerts were given by Colby students and visiting artists.

The student-directed drama club, Powder and Wig, presents a variety of productions. In 1979-80 these included *Mother Courage*, *Roar of the Greasepaint—Smell of the Crowd*, *Rosencrantz and Guildenstern Are Dead*, a one-act festival of six plays by various playwrights, *The Old Jew*, and *Hello Out There*.

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 a student group, under the direction of the college chaplain, conducts an all-college worship service in the chapel. Music for this service and for special concerts is

performed by the students of the chapel choir under the leadership of Adel Heinrich, associate professor of music.

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

SPEECH AND DEBATE

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

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), and Pi Sigma Alpha (political science). 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, Gymnastics, Film Direction, Pottery Club, Powder and Wig, Russian Club, WMHB (Radio Colby), Cross-country Ski Club, Fencing Club, and Woodsmen's Team.

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

Music organizations are the Colby Jazz Band, Colby Eight

Colbyettes, Colby Community Symphony Orchestra, Glee Club, and Lorimer Chapel Choir.

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.

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 ex-

cused from any class because of extracurricular or athletic activities.

BEHAVIOR

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

The trustees have delegated to various sectors of the college, including the Student Association, extensive autonomy in the conduct of student affairs. Colby College assumes that those who accept admission to the student body are able and willing to conduct themselves with the maturity consistent with this responsibility. 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 respects the laws and ordinances of the civil jurisdictions within which it lies. It does not stand in loco parentis for its students, nor is the campus to be considered a sanctuary from civil law.

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

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

ACADEMIC HONESTY

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. Students are subject to

suspension from the college whenever they are found guilty of academic dishonesty. A student is entitled to appeal charges of academic dishonesty to the faculty appeals board, which shall recommend action to the president of the college.

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.

SPECIAL DIETS

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

AUTOMOBILES

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

Students, faculty, and staff are assigned lots according to their place of residence or work, and are discouraged from using their cars simply to move about campus. The annual registration fee for a car is \$20.

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

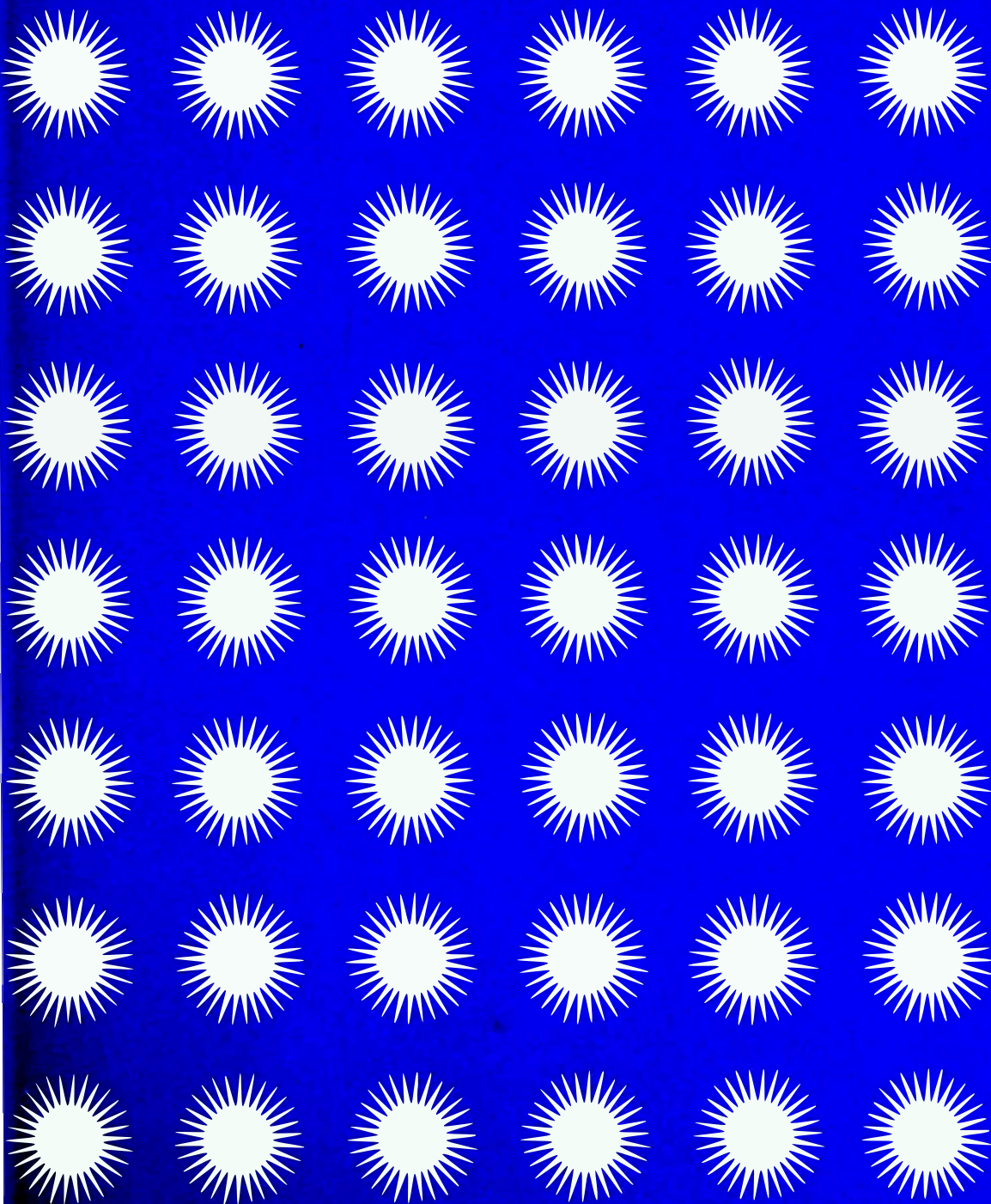
HOUSING AND STUDENT LIVING Students are housed in twenty-six living units: eighteen college residences (some of them coeducational) and eight fraternity houses. Some dormitory sections have a faculty member or faculty family in residence. All freshmen not living at home or with relatives are required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

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

STUDENT RECORDS

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

II Divisions, Departments, and Courses of Study



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Divisions, Departments, and Courses of Study

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

Courses are offered within four divisions:

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*.

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*.

DIVISION OF
NATURAL SCIENCES

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

DIVISION OF
PHYSICAL EDUCATION
AND ATHLETICS

Courses in *Physical Education*.

In the departmental statements following, members of the active faculty for the academic year 1980-81 are listed.

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 112; 133 or 211; 331, 332; 491 or 492.

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

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

ART

Chairman, PROFESSOR CARPENTER

Professors Carpenter and W. Miller; Associate Professor Matthews¹; Assistant Professors M. Miller² and Kassel¹; Instructors Kraehling 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.

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

The point scale for retention of the major applies to courses taken in the department. No requirement for the major may be taken pass/fail. A departmental examination is to be passed in the senior year.

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

¹On leave full year.

²Part-time.

CLASSICS

Chairman, PROFESSOR D. KOONCE

*Professor Westervelt*¹; *Associate Professor D. Koonce*; *Taylor Lecturer Budenz*.

Requirements for the major in classics:

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

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

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

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

¹Chairman 1979-80.

ENGLISH

Chairman, PROFESSOR BRANCACCIO

*Professors Benbow, Sutherland*¹, *Archibald, Curran, MacKay, Brancaccio, C. W. Bassett, H. Koonce, and Mizner*; *Associate Professors Witham*², *Sweney*³, *and E. Kenney*; *Assistant Professors S. Kenney*⁴, *Harris*¹, *Mannocchi, I. Sadoff, McDowell, Hunt, and D. Sadoff*; *Lecturers Onion*⁴, *Sanborn*⁴, *Sewell, and Bauer*⁴.

Requirements for the major in English and American literature:

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

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

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

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

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

¹On leave full year.

²On leave first semester.

³On leave second semester.

⁴Part-time.

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR HOLLAND

Professors Bundy, Holland, and Cauz; Associate Professors Kueter, Filsof Ferguson, P. Doel¹, and Weiss; Assistant Professors McIntyre, Greenspan², F Miller, Reynolds, So, Bertrand-Guy, J. Moss, Fresco, and Perez-Pineda; Instructors Abetti and Davis³; Lecturers Nelson⁴ and Strong⁴.

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

Requirements for the major in French:

French 221, 222, 231, to be taken no later than the sophomore year

(Students who begin the study of French at Colby with French 123 may substitute French 141, 142 for 221, 222.) At least five additional French courses numbered above 222; of these, at least two must focus on literature written prior to the nineteenth century, and at least two on literature of the nineteenth and twentieth centuries.

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.

¹On leave first semester.

²Resident director, University of Caen, full year.

³First semester only.

⁴Part-time.

MUSIC

Chairman, PROFESSOR ARMSTRONG

Professors Ré and Armstrong; Associate Professors Heinrich and D. Reuman¹; 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.

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

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

Attention is called to the interdisciplinary majors in American stud-

ies and studies in Western civilization, and to the program in performing arts.

¹Part-time.

Division of Social Sciences

Chairman, PROFESSOR GEMERY

INTERDEPARTMENTAL MAJORS

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

Requirements for the major in administrative science-mathematics:

In administrative science: 221, 222, 321, 322, 353, 413, 494; and Economics 131, 132.

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

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

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

Requirements for the major in economics-mathematics:

In economics: 131, 132, 233, 234, 391, 394, and three additional semester courses numbered 300 or higher. Also required is a satisfactory percentile rating in the graduate record examination in economics, given in the spring of the senior year.

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

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

Requirements for the major in philosophy-mathematics:

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

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

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

Requirements for the major in psychology-mathematics:

In psychology: 111, 371, 479, 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.

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

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

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

ADMINISTRATIVE SCIENCE

Chairman, PROFESSOR KNIGHT

Professors W. Zukowski¹ and Knight; Assistant Professors Samuel², McGough, and Richards; Instructor Paul.

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. None of these courses may be taken pass/fail.

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

The point scale for retention of the major applies to all administrative science courses taken and to Mathematics 241, 242, 243, 244, and Economics 233, 234, where these courses are used to satisfy major requirements.

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.

¹Chairman 1979-80.

²On leave full year.

ECONOMICS

Chairman, PROFESSOR GEMERY

Professors Hogendorn¹ and Gemery; Associate Professors Meehan and Tietenberg; Assistant Professors Dooley² and Payson; Instructors Christiansen², Christainsen, and Behr.

Requirements for the major in economics:

Economics 131, 132, and 30 additional credit hours in economics, including Economics 233, 234, and (for class of 1982 and subsequent classes) 391. Also required is a satisfactory percentile rating in the graduate record examination in economics. Administrative Science 221, 222 or 321, 322 and Mathematics 241, 242 or 381, 382 may be substituted for 12 of the 30 credit hours in advanced economics required for the major.

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

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

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

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

¹Chairman first semester 1979-80.

²On leave full year.

EDUCATION

Chairman, PROFESSOR JACOBSON

*Professor Jacobson; Assistant Professor M. Mavrincac*¹.

Colby offers an interdepartmental program of courses and field experiences that meets the minimal requirements for secondary-school teacher certification in the fields of English, social studies, science, mathematics, Latin, American studies, environmental studies, and modern foreign languages. For those students interested in early-childhood, elementary, special-subject, special-education, or adult-education certification, the sophomore and junior courses may be taken at Colby, and the balance of the program completed elsewhere. For those students who wish to defer their education courses, many graduate schools offer the Master of Arts in Teaching program, which includes a paid teaching internship and regular courses leading to the M.A.T. degree and a teaching certificate in the state.

Program of studies:

Sophomore year: Education 213 and 253, January program, or 254; Psychology 256. *Junior year:* Philosophy 333; Education 336 and 353, January program, or 354. *Senior year:* Education 431, 432, 433, and full-time

teaching during January. (English 411 or Modern Foreign Languages 411 is required of students who desire to teach those subjects.)

Guidance and counseling services are available from Professor Jacobson.

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

¹Part-time.

VERNMENT

Chairman, PROFESSOR A. MAVRINAC

Professors A. Mavrinac and Weissberg; Associate Professor Maisel¹; Assistant Professors Hauss, Bowen, and Mackenzie; Lecturer Huey².

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.

¹Acting chairman second semester 1979-80.

²Part-time first semester only.

ISTORY

Chairman¹, PROFESSOR RAYMOND

Professors Gillum, Raymond, and Berschneider²; Assistant Professors Feigon³, R. Moss, Weisbrot, Bernard⁴, Hunter⁵, and M. Mavrinac⁶; Lecturer Cocks⁶.

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 total of twelve courses may be in ancient history.

During the senior year, all majors must satisfy a comprehensive requirement either by taking a designated senior seminar or by a satisfac-

tory 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.

¹Chairman 1979-80, Professor Beeman.

²On leave second semester.

³On leave full year.

⁴First semester only.

⁵Second semester only.

⁶Part-time.

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR HUDSON

Professors R. Reuman¹, Todrank, F. Parker, and Hudson; Associate Professors McArthur and Longstaff; Assistant Professor Soifer; Ziskind Lecturer Elman.

Requirements for the major in philosophy:

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

Requirements for the major in philosophy and religion:

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

Requirements for the major in religion:

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

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

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

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

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

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

¹Chairman 1979-80.

PSYCHOLOGY

Chairman, PROFESSOR ROHRMAN

Professors Perez and Rohrman; Associate Professors Zohner¹ and Lester; Assistant Professors Skowbo, Yeterian, and O'Brien.

Requirements for the major in psychology:

Psychology 111, 214, 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. It is given in April by the department.

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.

¹On leave full year.

SOCIOLOGY

Chairman, ASSOCIATE PROFESSOR MORRIONE

Professors Birge¹ and Geib; Associate Professors Rosenthal² and Morrione; Assistant Professors R. Doel³, Rose, and McGrane; Lecturer Gresson⁴.

Requirements for the major in sociology:

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

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

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

¹Died July 17, 1980.

²On leave full year.

³On leave first semester.

⁴Part-time first semester only.

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.

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

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

Requirements for the major in geology-chemistry:

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

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

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

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

BIOLOGY

Chairman, PROFESSOR BENNETT

Professors Terry and Bennett; Associate Professors Easton, Fowles, and Champlin¹; Assistant Professors Firmage, Cole, and Labov.

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

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

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

¹Acting chairman second semester 1979-80.

Chairman, PROFESSOR MACHEMER

Professor Macherer; Associate Professors Maier and Smith; 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 2 semesters (6 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.

Both junior and senior January programs 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.

GEOLOGY

Chairman, PROFESSOR KOONS

Professor Koons; Associate Professors H. Pestana and Allen¹; Assistant Professor Westerman².

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; one year of college mathematics; and Chemistry 141, 142. Geology 382 and one semester of Geology 491, 492 are recommended for professional preparation.

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

¹On leave first semester.

²First semester only.

Chairman, PROFESSOR L. ZUKOWSKI

Professor L. Zukowski¹; Associate Professors Small and Hayslett²; Assistant Professors J. Goulet, G. Walker, Hamilton, and Skrien; Instructors C. H. Bassett³ and Kiralis; Lecturer Flamm⁴.

Requirements for the major in mathematics:

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

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

TAMMIGHT TATON

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.

¹On leave first semester.

²On leave second semester.

³Part-time.

⁴Part-time 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, and some areas of engineering. Moreover, analytical training is often profitable to students who intend to pursue other professions, such as medicine, law, or business.

Requirements for the major in physics:

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

Students preparing for graduate work in 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, and that the college language requirement be fulfilled in French, German, or Russian.

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

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

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

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), Gemery (Economics), Hudson (Philosophy), 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:

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

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

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

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

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

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

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

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

Courses approved for the major:

ADMINISTRATIVE SCIENCE: 354 Law.

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

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

BIOLOGY: 352 Ecological Theory.

ECONOMICS: †[217], 218 Seminars: Economic Analysis and Policy; †[231] Environmental Economics; †[256] Unions, Collective Bargaining, and Public Policy; *274 American Economic History; 294 Urban and Regional Economics; [314] Economics of Population; 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries; 338 Money, Banking, and Monetary Policy; 351 Public Finance; †[352] Fiscal Policy; *379d2 Seminar in Environmental Economics; 431 History of Economic Thought; 491, 492 Independent Study.

EDUCATION: *298 History of Women's Education, United States and Québec; 336 History of the American School.

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

GEOLOGY: †[323, 324] Map Interpretation and Geomorphology of the United States.

GOVERNMENT: 211 The American System and the Shaping of the Modern Polity; 256 Parties and the Electoral Process; 314 American Constitutional Law; [316] American Political Thought; 317 The Policy-making Process; [321], 322 Political Theory; [359] Government and the Press; 373 The American Presidency; 374 The American Congress; *392 The Administrative Process; [393] State and Local Government; 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; 277 Afro-American History I; 278 Afro-American History II; 291 American History: Colloquium; *297 The Age of Reform: 1790-1860; *298 The History of Women in America; [311] Tutorial in History; 354 American Intellectual History, 1865-1917; 372 The American Civil War; *373 American Political History, 1865-1929; *374 American Political History, 1929 to Present; [375] American Colonial History; *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; *398 American Culture and Society: 1917-1975; 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; 252d1 Race and Minorities; *253 Urban Sociology; †[274] Social Stratification; 318 Contemporary Theory; 361d2, [362] Cultural Anthropology; †[391] 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), R. Moss (History), Sweny (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, exchange of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major.

Courses offered in black studies include:

AMERICAN STUDIES: 276 Black Culture in America.

ENGLISH: 355 Black American Literature; *436 African Prose.

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

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

ECONOMICS: *293 Economic Development.

GOVERNMENT: †[332] Political Development in the Third World.

RELIGION: [319] Primitive Religion.

SOCIOLOGY: 231 Contemporary Social Issues; 252d1 Race and Minorities; *253 Urban Sociology.

EAST ASIAN STUDIES

Director, ASSISTANT PROFESSOR SO

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

The program of East Asian studies contributes a new dimension to the traditional liberal arts curriculum by exposing the student to rich cultures outside the scope of Western civilization. Study abroad during the junior year is encouraged; see FOREIGN STUDY section for information about Colby's participation in the Associated Kyoto Program as an 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 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 for 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: *198 Introduction to Japanese Intellectual History; *297A Topics in Chinese Science; *297B The Perception of the "Orient" in the West; *298 Foundations of Modern Japanese Political Thought; 491, 492 Independent Study.

GOVERNMENT: †[237] Japan and the United States; 254 Comparative Communism; †[271] Asian Revolutionary Movements; 358 Contemporary Japanese Politics; 477 Seminar in Japanese Politics.

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

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

PHILOSOPHY: *197 The Classical Tradition in Chinese Philosophy; *198 Medieval and Early Modern Chinese Intellectual History; *356 Indian Thought; [391, 392] Philosophy Seminar (when appropriate).

RELIGION: 211 Indian Religions; 212 East Asian Religions; 214 The Buddhist Tradition; *297 The Hindu Mythological Tradition; [391, 392] Religion Seminar (when appropriate); *398 Enlightenment and Immortality in Asian Religion.

ENVIRONMENTAL STUDIES

Director, PROFESSOR H. PESTANA

ADVISORY COMMITTEE: *Professor Bennett (Biology), Vice-President Jenson (Dean of Faculty), Professors 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 Ecology and Population; 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; 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; 314 Plant Physiology; 316 Invertebrate Biology; 318 Microbiology; *319 Biology of the Lower Plants; 333 Chordate Evolution; †[354] Marine Ecology; *356 Inland Ecology; 358 Ecological Field Study; 375 Problems in Comparative Animal Physiology; 378 Animal Behavior.

CHEMISTRY: 241, 242 Organic Chemistry.

GEOLOGY: *176 Oceanography; 241, 242 Field Methods and Structural Geology; 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: 354 Law; 413 Organizational Behavior.

ECONOMICS: 131d Principles of Macroeconomics; 132d Principles of Microeconomics; *274 American Economic History.

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

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

PERFORMING ARTS

Coordinator, ASSISTANT PROFESSOR WOODY

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

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

Courses offered in the performing arts include:

MUSIC: 191, 192 Applied Music: Individual Study; 193, 194 Applied Music: Ensemble; *278 Opera as Theater; *378 Conducting; 491, 492 Independent Study in Music.

PERFORMING ARTS: 111d Theater Production; 132 Scene Design; 171d2 Acting I; †[221, 222] Theater History; 231 Stage Lighting; †[241, 242] Introduction to the Art of Dance; 251d2 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; *235d2 Chamber Music; [332] Studies in Operatic Style; †[376] Counterpoint.

SPANISH: *351 El Siglo de Oro.

PUBLIC POLICY

Director, PROFESSOR TIETENBERG; *Codirector*, PROFESSOR MACKENZIE

ADVISORY COMMITTEE: *Vice-President Jenson (Dean of Faculty), 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 that establish this 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.

GOVERNMENT: 311 Introduction to Social Science Research.

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: 314 American Constitutional Law; 373 The American Presidency; 374 The American Congress; [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, PROFESSOR WEISS

ADVISORY COMMITTEE: *Professors C. W. Bassett (English), Bennett (Biology), Brancaccio (English), Koons (Geology), W. Miller (Art), Rosenthal (Sociology), Teitenberg (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: *298 History of Women's Education, United States and Québec.

FRENCH: [235] Québec in Transition.

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

STUDIES IN HUMAN DEVELOPMENT *Director*, PROFESSOR ROSENTHAL

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

ADVISORY COMMITTEE: *Professors Easton (Biology), Geib (Sociology), Hudson*

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(*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 environment; an opportunity to consider possible future directions for both the individual and society; and working experience with a local, state, or regional agency involved in some aspect of human development.

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

In biology: 121 and either 122 or 134.

In human development: 393d, 493d.

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

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

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

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

At least one January program in human development.

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

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

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

In human development: 393d, 493d.

In philosophy: 331, 332.

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

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

Either Sociology 271 or Psychology 214.

Either Psychology 255 or Sociology 237.

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

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

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

ferred 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), Carpenter (Art), 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 Greek History; †[254] Roman History; †[352] Athens in the Fifth Century; †[353] Greece in the Fourth Century.

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

CLASSICS: 133 Greek Myth and Literature; *177 Themes from the Story of Ulysses; *178 Myth and Place; †[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; 391d2 The Age of Chaucer; 392d1 Sidney and Spenser; [394] Milton; 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.

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 England; †[336] Tudor-Stuart England; †[419] Seminar in Medieval History.

LATIN: all courses numbered above 112.

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

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

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

SPANISH: *351 El Siglo de Oro.

Division of Physical Education and Athletics

Chairman, ASSISTANT PROFESSOR MCGEE

Assistant Professors McGee¹; Adjunct Assistant Professors Covell, Nelson, Whitmore, Taylor, Kopp, Wescott, DeLorenzo, and M. Goulet; Adjunct Instructors Bell, Ewell, and Pluck.

The department of physical education and athletics offers required and

voluntary physical education classes, intramural sports, inter-collegiate athletics (varsity and junior varsity), and informal recreational activities.

¹On leave first semester.

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 Allergy and Immunology, Anesthesiology, Dermatology, Emergency Medicine, Epilepsy, Forensic Medicine, Hematology, Neurosurgery, Nuclear Medicine, Obstet-

rics-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, basketball, soccer, and football clinics.

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

The use of Colby's facilities for conferences is coordinated through the division of special programs. This past year, some of the groups holding meetings on campus included the Natural Resources Council, Public Health Nurses, Maine Council of Teachers of English, Maine Child Nutrition Project, and Maine Press Association.

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

Courses of Study

KEY TO SYMBOLS AND METHODS OF COURSE DESIGNATION

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

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

100—open to freshmen;

200—ordinarily open to sophomores, and classes above;

300—ordinarily open only to juniors and seniors;

400—ordinarily restricted to seniors.

The second digit may be:

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

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

an odd number—an independent semester course.

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

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

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

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

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

[] Brackets indicate that the course will not be offered in 1980-81.

† A dagger indicates that the course will probably be offered in 1981-82.

1980-81 1981-82

* An asterisk indicates that the course will probably not be offered in 1981-82.

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.

Administrative Science

- 111d
THE COMPUTER AND DECISION
MAKING
MR. RICHARDS
- An introduction to the potential uses of the computer as a device in the solution of a variety of management problems. *Three credit hours.*
-
- 221e, 222
ACCOUNTING
MRS. KNIGHT AND
MR. MCGOUGH
- The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society—its relationship to law, economics, and social policy. *Three credit hours.*
-
- 271
INTRODUCTION TO DECISION
MAKING
MR. RICHARDS
- 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. *Three or four credit hours.*
-
- 321, 322
FINANCE
MR. ZUKOWSKI
- An analytically structured approach to decision making in the financial area. Money and capital markets are considered.
Prerequisite: Administrative Science 221, 222 and Economics 131, 132 or special permission. *Three or four credit hours.*
-
- 333d
MARKETING
MS. PAUL
- Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally. *Four credit hours.*
-
- 334
ADMINISTRATION OF PUBLIC
AND SOCIAL SERVICE
ORGANIZATIONS
MRS. KNIGHT
- An introduction to the theories and methodologies utilized in the administration of public and social service organizations: federal, state, and local government units, health care and educational institutions. Emphasis placed on the management tools and skills that best enable the organization to perform its function efficiently and effectively in an environment of constantly changing social and economic values.
Prerequisite: Administrative Science 221, 222 or permission of the instructor. *Three credit hours.*
-
- 341, 342
ADVANCED ACCOUNTING
MR. MCGOUGH
- Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.
Prerequisite: Administrative Science 221, 222. *Three credit hours.*

353 MANAGERIAL ECONOMICS MR. RICHARDS	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>
354 LAW MR. MCGOUGH	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>
412d 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 MS. PAUL	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 MS. PAUL AND MR. RICHARDS	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). *Four credit hours.*

American Studies

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

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 1980-81, 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.

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.

297
CULTURAL TRADITIONS IN
MODERN AMERICAN LIFE
MR. HUNT

The relationship between folk tradition, popular culture, and elite art in the contemporary United States, to include music and visual art as well as literature. Focusing on representative figures like Duke Ellington, Charles Ives, Raymond Chandler, and Robert Coover, as well as western and blues songs, we will try to understand and appreciate the ways that Ralph Ellison's *Invisible Man* draws on and synthesizes these cultural traditions. *Three credit hours.*

391, 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.

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.).

Ancient History

IN THE DEPARTMENT OF CLASSICS

151 INTRODUCTION TO GREEK CIVILIZATION MRS. KOONCE	A survey of the forces in Greek history, art, and literature that produced the culture of fifth-century Athens. Special attention will be given to the question of continuity between the age of Mycenae and the Homeric poems, the development of Athens in the sixth century, and the impact of the Persian and the Peloponnesian wars on Greek society. <i>Three or four credit hours.</i>
†[177, 178] 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 GREEK HISTORY MRS. KOONCE	Greece from the neolithic period to the sixth century, with emphasis on the Bronze Age generally and the Mycenaean period in particular. Open to freshmen with permission of the instructor. <i>Three or four credit hours.</i>
†[254] ROMAN HISTORY	Topics in Roman history. Open to freshmen with permission of the instructor. <i>Three or four credit hours.</i>
†[352] ATHENS IN THE FIFTH CENTURY	The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i>
†[353] GREECE IN THE FOURTH CENTURY	The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources. <i>Prerequisite:</i> Permission of the instructor. <i>Three or 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>One to three credit hours.</i>

Art

121, 122 INTRODUCTION TO ART MR. CARPENTER, 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>
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11, 142 DRAWING S. KRAEHLING	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>
51, 162 DESIGN R. WERFEL	Exploration of design elements, including line, texture, value contrast, composition, balance, perspective, proportion, and color theory. Second semester stresses color mixing and composition. Students must supply own materials; out-of-class work is essential. Enrollment limited. <i>Three or four credit hours.</i>
41, 242 BEGINNING PAINTING R. 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>
52 SURVEY OF WESTERN ARCHITECTURE R. 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>
61, 262 BEGINNING SCULPTURE S. KRAEHLING	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>
71 AMERICAN ART R. 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	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 R. MILLER	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	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 MR. CARPENTER	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 MR. WERFEL	Emphasis on the figure; painting from the model in oil. Students must supply own materials; out-of-class work is essential. <i>Prerequisite:</i> Art 242 or permission of the instructor. <i>Three credit hours.</i>
352 THE GRAPHIC ARTS MR. CARPENTER	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 MR. MILLER AND OTHERS	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. <i>Prerequisite:</i> Three semesters of art, including Art 121, 122. <i>Three credit hours.</i>
†[358] MIEVEAL ART	Architecture, sculpture, and painting of western Europe from the mid-sixth to the mid-thirteenth centuries. <i>Prerequisite:</i> Art 121. <i>Three credit hours.</i>
361, 362 ADVANCED SCULPTURE MS. KRAEHLING	Further use of the techniques acquired in Art 261, 262 in developing the student's own visual ideas. Enrollment limited. <i>Prerequisite:</i> Art 261, 262. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual study of special problems in the practice, history, or theory of the visual arts. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i>
499d ART TEACHING MRS. MILLER	Directed practice in conduct of discussion sections in art history. Oper to a limited number of upperclass art majors. Nongraded. <i>Prerequisite:</i> Permission of the department chairman. Flexible credit. <i>Two credit hours.</i>

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

12
WORLD SYSTEMS
R. DUDLEY

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.*

31
INTRODUCTORY ASTRONOMY
R. 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.*

Biology

21, 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. Coordinated lectures presented by several members of the biology faculty in their areas of specialization. Lecture and laboratory. *Four credit hours.*

34
HUMAN EVOLUTION
R. 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.*

36
HORTICULTURE
R. FIRMEGE

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.*

138 PLANT BIOLOGY MR. FOWLES	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. <i>Three credit hours.</i>
219 ECOLOGY AND POPULATIONS MR. COLE	An introduction to natural history and the regulation of natural populations, interactions among populations, the influence of man upon populations of other species, and the relevance of ecological principles to the environmental crisis. Does not satisfy the laboratory science distribution requirement, but some field trips will be included. Cannot be counted toward the biology major. Enrollment limited. Formerly listed as Biology 118. <i>Prerequisite:</i> Sophomore, junior, or senior standing and permission of the instructor. <i>Three credit hours.</i>
271 INTRODUCTION TO ECOLOGY; INTRODUCTION TO EVOLUTION MR. FOWLES, MR. FIRMAGE, AND MR. COLE	Part I: introduction to ecological principles: structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips, including at least one Saturday trip, are taken to sites representative of terrestrial, freshwater, and marine habitats. Part II: introduction to the scope, significance, and mechanisms of evolution. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122 or equivalent. <i>Four credit hours.</i>
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. <i>Prerequisite:</i> Biology 121, 122 or equivalent and Chemistry 141, 142 (may be taken concurrently), or permission of the instructor. <i>Four credit hours.</i>
301, 302 BIOLOGY SEMINAR FACULTY	Discussion of contemporary topics in biology. Choice of several topics. Nongraded. <i>Prerequisite:</i> Junior standing as a biology or geology-biology major. <i>One credit hour for the year.</i>
†[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.*

314
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
MR. TERRY

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

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

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. *Three or 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
MR. FOWLES

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.*

331
CONTEMPORARY PROBLEMS IN
BIOLOGY
MISS BENNETT AND MR. CHAMPLIN

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

from advances in these areas will also be stressed. Cannot be counted toward the biology major.

Prerequisite: Junior or senior standing in majors other than biology.
Four credit hours.

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.

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

333
CHORDATE EVOLUTION
MR. EASTON

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

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

*337
THE REPRODUCTIVE BIOLOGY
OF FLOWERING PLANTS
MR. FIRMAGE

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.

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

352
ECOLOGICAL THEORY
MR. FIRMAGE AND MR. COLE

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.

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

†[354]
MARINE ECOLOGY

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

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

*356
INLAND ECOLOGY
MR. FIRMAGE AND MR. COLE

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

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

58
ECOLOGICAL FIELD STUDY
FACULTY

A trip to a south temperate or tropical area during the spring recess. Students must cover expenses.
Prerequisite: Biology 352 (may be taken concurrently) or permission of the instructor. *One credit hour.*

71
GENETICS
MR. CHAMPLIN

The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes in individuals and populations are examined.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours.*

75
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.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Three or four credit hours.*

77
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.
Prerequisite: Biology 121, 122, 271, and 272, or permission of the instructor. *Three or four credit hours.*

78
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.
Prerequisite: Biology 121, 122, and 271, or permission of the instructor. *Three or four credit hours.*

83, 484
INDEPENDENT STUDIES IN
ENVIRONMENTAL SCIENCE
MR. COLE AND MR. FIRMAGE

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.*

491, 492 INDEPENDENT STUDY FACULTY	Normally open only to senior biology majors whose work in the department has been of better-than-average quality. <i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i>
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Chemistry

†[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. <i>Three credit hours.</i>
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112 CHEMISTRY FOR CITIZENS MR. SMITH	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 nonscience majors. <i>Three credit hours.</i>
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141e, 142 GENERAL CHEMISTRY AND ELEMENTARY ANALYSIS MR. SMITH AND MR. SHATTUCK	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. <i>Four credit hours.</i>
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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. <i>Prerequisite:</i> Chemistry 142. <i>Three credit hours.</i>
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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. <i>Prerequisite:</i> Chemistry 142. <i>Five credit hours.</i>
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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. <i>Prerequisite:</i> Chemistry 242, Mathematics 122, and Physics 122. <i>Three credit hours.</i>
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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,
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literature of analytical chemistry, precision, and sources of error. Lecture and laboratory.

Prerequisite: Chemistry 142. *Four credit hours.*

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.*

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
MR. SMITH

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. SMITH AND 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.*

<p>434 ADVANCED PHYSICAL CHEMISTRY MR. SMITH</p>	<p>Use of principles of symmetry and group theory as an aid in understanding chemical bonding and interpreting molecular spectroscopy. <i>Prerequisite:</i> Chemistry 342. <i>Three credit hours.</i></p>
<p>467, 468 BIOCHEMISTRY MR. MAIER</p>	<p>Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 121, 122 are recommended as preparation. <i>Prerequisite:</i> Chemistry 242. Lecture only: <i>four credit hours</i>; lecture and laboratory: <i>five credit hours.</i></p>
<p>483, 484 SPECIAL TOPICS IN ENVIRONMENTAL CHEMISTRY MR. MACHEMER AND MR. SMITH</p>	<p>Primarily a laboratory course with emphasis on independent studies of environmentally related topics. A paper and oral presentation are required. <i>Prerequisite:</i> Chemistry 217 and permission of the department. <i>One to three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Laboratory work of a special (semiresearch) nature may be arranged with the instructor. Three to nine hours per week. <i>One to three credit hours.</i></p>
<p>494 SEMINAR IN BIOCHEMISTRY MR. MAIER</p>	<p>Reading and discussion of current literature, emphasizing a common theme in an emerging area of biochemistry. <i>Prerequisite:</i> Chemistry 447 or 467 or permission of the department. <i>Two credit hours.</i></p>

Chinese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

<p>121, 122 ELEMENTARY CHINESE MR. SO</p>	<p>Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. <i>Four credit hours.</i></p>
<p>123, 124 INTERMEDIATE CHINESE MR. SO</p>	<p>A continuation of Chinese 122, with greater emphasis on written Chinese. <i>Prerequisite:</i> Chinese 122. <i>Four credit hours.</i></p>
<p>321, 322 ADVANCED CHINESE MR. SO</p>	<p>Advanced readings in Chinese. Designed primarily for those students who have had substantial experience in a Chinese-speaking setting. <i>Prerequisite:</i> Chinese 124 or permission of the instructor. <i>Three or four credit hours.</i></p>

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.*

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.

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.*

*177
THEMES FROM THE STORY OF
ULYSSES
MISS BUDENZ

Readings will include Homer's *Odyssey* and selected Greek tragedies, with some attention to the persistence of the Ulysses story in modern literature. *Two or three credit hours.*

*178
MYTH AND PLACE
MISS BUDENZ

An examination of connections between myth and place in ancient Greece through the study of specific narratives, cults, and sites, with a concentration on Delphi and Eleusis. *Two or three credit hours.*

†[232]
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 *Frogs* of Aristophanes. *Three or four credit hours.*

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

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

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 three credit hours.*

East Asian Studies

<p>*198 INTRODUCTION TO JAPANESE INTELLECTUAL HISTORY MR. ELMAN</p>	<p>A historical survey of the interaction between Shinto, Buddhism, and Confucianism in Japan from antiquity to the Meiji Restoration in 1868, with special attention to the emergence of the cult of the emperor in imperial Japan. Readings from primary sources in translation. <i>Three credit hours.</i></p>
<p>*297A TOPICS IN CHINESE SCIENCE MR. ELMAN</p>	<p>A topical survey of the scientific tradition 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. <i>Three credit hours.</i></p>
<p>*297B THE PERCEPTION OF THE “ORIENT” IN THE WEST MR. ELMAN</p>	<p>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, and Southeast Asia on Europe during the eighteenth-century enlightenment, and the European approach to “Orientalism” in the nineteenth century. Seminar. <i>Three credit hours.</i></p>
<p>*298 FOUNDATIONS OF MODERN JAPANESE POLITICAL THOUGHT MR. ELMAN</p>	<p>The premodern roots of contemporary Japanese political philosophy. Focus will be on representative political theorists of the Tokugawa era (1600-1867), their impact on the Meiji Restoration in 1868, and the emergence of modern Japanese political discourse. Readings from primary sources in translation. Seminar. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual study of special problems in East Asian civilization, offered in the departments that participate in the program. <i>Prerequisite:</i> Permission of the instructor and the program director. <i>One to four credit hours.</i></p>
<p>EAST ASIAN STUDIES MAJOR</p>	<p>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.).</p>

Economics

<p>131d PRINCIPLES OF MACROECONOMICS FACULTY</p>	<p>Principles of macroeconomics and their applications to modern economic problems: national product and income accounting, monetary and fiscal policy, inflation, unemployment, and growth. Multisectioned. <i>Three credit hours.</i></p>
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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. PARKER

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

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. CHRISTAINSEN

Analysis of the theories of national income determination, the factors affecting employment, and the price level.
Prerequisite: Economics 131, 132. *Three credit hours.*

234d
MICROECONOMIC THEORY
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.
Prerequisite: Economics 131, 132. *Three credit hours.*

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

†[272]
EUROPEAN ECONOMIC HISTORY

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.

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

*274

AMERICAN ECONOMIC HISTORY
MR. GEMERY

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.

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

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. Formerly listed as Economics 281.

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

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. Formerly listed as Economics 282.

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

†[292]

COMPARATIVE ECONOMIC
SYSTEMS

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.

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

*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.

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

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.

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

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.

Prerequisite: Economics 132 and 234. *Three or four credit hours.*

314]
ECONOMICS OF POPULATION

Application of economic analysis to the study of the size and characteristics of human populations; interrelation between economic and population growth in lesser-developed and developed countries; analysis of marital and fertility patterns in the United States, with emphasis on the changing economic role of women; related public policy issues, such as welfare reform, sexual discrimination, and education.

Prerequisite: Economics 131, 132, 234. *Three or four credit hours.*

31
INDUSTRIAL ORGANIZATION AND
ANTITRUST ECONOMICS
R. MEEHAN

An examination of the structure, conduct, and performance of American industries to determine if the market process efficiently allocates resources to meet consumer demand. An economic analysis of the antitrust laws and an evaluation of their performances. Reference will be made to specific industries and cases.

Prerequisite: Economics 131, 132, 234. *Three or four credit hours.*

32
REGULATED INDUSTRIES
R. MEEHAN

An examination of specific regulated markets and the rationale for regulation in each. The economic effects of regulation on price, cost of production, and quality of product or service will be explored. The success of regulation will be evaluated relative to the market outcome that would be expected in the absence of regulation.

Prerequisite: Economics 131, 132, 234. *Three or four credit hours.*

36
MATHEMATICAL ECONOMICS
R. PAYSON

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 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.*

38
MONEY, BANKING, AND
MONETARY POLICY
R. BEHR

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 MR. CHRISTAINSEN	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. <i>Prerequisite:</i> Economics 131, 132, 234. <i>Three or four credit hours.</i>
†[352] FISCAL POLICY	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. <i>Prerequisite:</i> Economics 131, 132, 233. <i>Three or four credit hours.</i>
355d2 LABOR MARKET ECONOMICS MR. 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. <i>Prerequisite:</i> Economics 131, 132, 234. <i>Three or four credit hours.</i>
*379d2 SEMINAR IN ENVIRONMENTAL ECONOMICS MR. TIETENBERG	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. <i>Prerequisite:</i> Economics 131, 132, 234. <i>Three or four credit hours.</i>
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 beginning with the class of 1982. <i>Prerequisite:</i> Permission of the instructor. <i>One credit hour.</i>
394 ECONOMETRICS MR. TIETENBERG	Introduction to applied econometrics. Parameter estimation, inference, and hypothesis testing. Problems of designing econometric models. <i>Prerequisite:</i> Economics 131, 132; either Economics 223 or 234; either Mathematics 241 or Mathematics 381. <i>Three or four credit hours.</i>
431 HISTORY OF ECONOMIC THOUGHT MR. GEMERY	An examination and appraisal of the development of economic theory. Major writing from the mercantilist period through the Keynesian is included. Extensive use of source material. <i>Prerequisite:</i> Economics 233, 234 and senior standing. <i>Three or four credit hours.</i>

<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>†[494] SENIOR SEMINAR</p>	<p>A workshop in economics research. Each meeting of this seminar will focus on the current research of a faculty member, an outside speaker, or a student member of the workshop. Each student will be expected to contribute to the general discussions of these research presentations and to lead a seminar on his/her own research.</p> <p><i>Prerequisite:</i> Senior standing and department approval of a research proposal. <i>Three credit hours.</i></p>

Education

<p>213 SOCIOLOGY AND GOVERNMENT OF EDUCATION MR. JACOBSON</p>	<p>An introduction to the field of education, emphasizing the role, organization, control, and politics of the American school, with a brief comparative study of education in Israel, the USSR, and the People’s Republic of China. Prerequisite to Education 431. See also Education 253.</p> <p><i>Prerequisite:</i> A cumulative grade point average of 2.5 or higher and permission of the instructor. <i>Three credit hours.</i></p>
<p>253, 254 FIELD EXPERIENCE IN ELEMENTARY SCHOOL MRS. MAVRINAC</p>	<p>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.</p> <p><i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i></p>
<p>255d CHILD DEVELOPMENT MR. ZOHNER</p>	<p>Listed as Psychology 255 (q.v.). See also Education 253, 254. <i>Three credit hours.</i></p>
<p>256 ADOLESCENT AND ADULT DEVELOPMENT MR. ZOHNER</p>	<p>Listed as Psychology 256 (q.v.). Prerequisite to Education 431. See also Education 254. <i>Three credit hours.</i></p>

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>
*298 HISTORY OF WOMEN'S EDUCATION, UNITED STATES AND QUÉBEC MRS. MAVRINAC	Comparative study of educational opportunities for women, particularly secondary- and university-level institutions. Common readings and individual projects will form the basis of discussions. Social roles of men and women, and 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>
336 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. See also Education 354. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. Flexible credit. <i>Two or three credit hours.</i>
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. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i>
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. <i>Three credit hours.</i>
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.

	<i>Prerequisite:</i> 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. <i>Two credit hours.</i>
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432 ADVANCED STUDENT TEACHING: THEORY MR. JACOBSON	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. <i>Prerequisite:</i> Successful completion of Education 431. Permission of the instructor. <i>Two credit hours.</i>
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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. <i>Prerequisite:</i> Concurrent enrollment in Education 431 and permission of the instructor. <i>Two credit hours.</i>
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434 ADVANCED 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. Nongraded. <i>Prerequisite:</i> Concurrent enrollment in Education 432 and permission of the instructor. <i>Two credit hours.</i>
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[453, 454] FIELD EXPERIENCE IN SENIOR HIGH SCHOOL	Five hours weekly to be served as an associate teacher in a local high school; written exercises and evaluations via individual and group projects. Nongraded. <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. Flexible credit. <i>Two or three credit hours.</i>
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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. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Two or three credit hours.</i>
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491, 492 INDEPENDENT STUDY FACULTY	Independent study of advanced topics and areas of individual interest. <i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i>
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English

111, 112 ENGLISH FUNDAMENTALS MRS. SANBORN	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.
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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.*

115 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. <i>Three credit hours.</i>
117, 118 CREATIVE WRITING MR. BAUER AND MR. MIZNER	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>
152d 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. HUNT	Workshops for students wishing to improve their ability to write. Student papers will be presented for workshop criticism so that they may be revised. Focus will be on problems of development and rhetorical structure. Enrollment limited. <i>Prerequisite:</i> English 115. <i>Three credit hours.</i>
221, 222 MAJOR BRITISH WRITERS MR. KENNEY AND OTHERS	An introduction to British literature, with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. First semester: <i>Beowulf</i> through Milton. Second semester: Dryden to the beginnings of the modern movement. <i>Three credit hours.</i>
251d MAJOR AMERICAN WRITERS I 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>
252d 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>

72 ARGUMENTATION AND DEBATE R. WITHAM	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>
75] 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>
276] EPIGRAM IN TRANSLATION	The <i>Vita Nuova</i> and the <i>Divine Comedy</i> , drawing upon the philosophy, theology, art, and literature of the period. No knowledge of Italian required. <i>Three or four credit hours.</i>
278] ITALIAN FICTION AND FILM	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. <i>Three credit hours.</i>
15, 316 ADVANCED EXPOSITORY WRITING WORKSHOPS R. 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. <i>Prerequisite:</i> English 115 and permission of the instructor. <i>One to three credit hours.</i>
17 INTERMEDIATE FICTION WORKSHOP R. SADOFF	Practice in the writing of short stories, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i>
18 INTERMEDIATE POETRY WORKSHOP R. SADOFF	Practice in the writing of poetry, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i>
[331] THE MIDDLE AGES	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. <i>Three credit hours.</i>
32 POETRY OF THE LATER RENAISSANCE R. BENBOW	An intensive study of selected poets, including Shakespeare, Donne, Jonson, Herbert, and Marvell. <i>Prerequisite:</i> English 221. <i>Three credit hours.</i>

333 RENAISSANCE DRAMA MR. KOONCE	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	The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. <i>Three or four credit hours.</i>
335d2 THE ROMANTIC PERIOD I MR. MIZNER	The poetry and criticism of Wordsworth, Coleridge, and Keats, designed to explore the political, conceptual, and imaginative coherence of romanticism. <i>Three credit hours.</i>
†[336] THE ROMANTIC PERIOD II	Byron and the Byronic hero. <i>Three credit hours.</i>
337 MODERN BRITISH LITERATURE MR. ARCHIBALD	The origins, nature, and achievements of the modern movement in England and Ireland. The major authors in 1980-81 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 MR. BRANCACCIO	The major works of Poe, Hawthorne, and Melville. <i>Three credit hours.</i>
†[352] THE AMERICAN RENAISSANCE II	The major works of Emerson, Thoreau, and Whitman. <i>Three credit hours.</i>
353 AMERICAN REALISM AND NATURALISM MR. KENNEY	Major works by Twain, Howells, James, Crane, and others in the context of traditions of the novel, and critical theories of the art and purpose of fiction. <i>Three credit hours.</i>
355 BLACK AMERICAN LITERATURE 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>

†[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. <i>Three credit hours.</i>
358 CONTEMPORARY AMERICAN POETRY MR. SADOFF	American poetry since 1960: a study of influences (the rise of internationalism, the return to forms, historical and political consciousness), aesthetic documents, and representative volumes of poetry—the deep-image and surrealist schools, the New York School, the new formalists, the political and ethnic poets, including Ashbery, Rich, Strand, Wright, Gluck, and others. <i>Three credit hours.</i>
†[359] EARLY AMERICAN AUTHORS	Selected prose and poetry from the Puritan period, the Age of Reason, and the preromantic movement in American literature. <i>Three credit hours.</i>
†[371] THE AGE OF POPE AND SWIFT	Selected works by Defoe, Addison, Gay, Swift, Pope, Fielding, and other major British writers of the first half of the eighteenth century. <i>Three credit hours.</i>
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. <i>Three or four credit hours.</i>
[373] THE DEVELOPMENT OF DRAMATIC ART I	Discussion of typical plays of the Western world in the context of conditions and conventions of performance from Greek and Roman times through the Middle Ages and the early Renaissance. <i>Three credit hours.</i>
[374] THE DEVELOPMENT OF DRAMATIC ART II	A sequel to English 373, from the later Renaissance through the neoclassic and romantic periods to the beginnings of realism in the nineteenth century. There will be a brief collateral examination of the theater of the Orient. <i>Three credit hours.</i>
[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. <i>Three credit hours.</i>
[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. <i>Three credit hours.</i>

377 VICTORIAN LITERATURE I MISS CURRAN	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>
†[379] BLAKE	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>
391d2 THE AGE OF CHAUCER MR. MACKAY	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>
392d1 SIDNEY AND SPENSER MS. MANNOCCI	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	The poetry and major prose of John Milton. <i>Three credit hours.</i>
*397 NINETEENTH-CENTURY WOMEN WRITERS MS. SADOFF	Structural and thematic analyses of selected British and American novels and poems. The female tradition in nineteenth-century fiction through contemporary literature. <i>Three credit hours.</i>
411 THE TEACHING OF ENGLISH INSTRUCTOR	Tutorials with individual members of the department about current issues, problems, and methods in the teaching of English. Students and tutors will plan each student's practice teaching, and the tutor will occasionally visit his or her classroom. Nongraded.

Prerequisite: Concurrent enrollment in Education 441 or permission of the instructor. *Three credit hours.*

3
ADVANCED POETRY WORKSHOP
SADOFF
Practice in the writing of poetry, with major emphasis on student manuscripts. May be repeated once for additional credit.
Prerequisite: English 317 or 318 or permission of the instructor. *Three credit hours.*

3
ADVANCED FICTION WORKSHOP
SADOFF
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.*

1
HISTORY OF LITERARY
CRITICISM
KENNEY
Principles and history of literary criticism, ancient through modern, with special attention to Plato, Aristotle, Coleridge, and Eliot. *Three or four credit hours.*

2
HISTORY OF THE ENGLISH
LANGUAGE
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.*

36
AFRICAN PROSE
BRANCACCIO
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.*

7
THE LITERATURE OF
EXISTENTIALISM
MIZNER
Readings in the novel and the drama of Russia, Germany, France, and the United States, from Dostoevski to Walker Percy. *Three credit hours.*

72]
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.*

Field Experience

-95, -96
FIELD EXPERIENCE

Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Flexible credit. Nongraded, credit or non-credit entry, unless otherwise stipulated in project proposal.
Prerequisite: Approval of department or program committee prior to beginning project. *One to fifteen credit hours.*

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.

[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 interpretation of a prose text in French. Enrollment limited to 10. Does not fulfill language requirement. Nongraded.
Prerequisite: Concurrent enrollment in any-level French course or previous training equivalent to one year of college French; preference given to the former. *Two credit hours.*

119
INTERMEDIATE FRENCH
GRAMMAR
FACULTY

An optional, supplementary course at the intermediate level, offering systematic review of grammar and additional practice in written exercises. Enrollment limited.
Prerequisite: Concurrent enrollment in French 123. *One credit hour.*

<p>1, 122 ELEMENTARY FRENCH R. FILOSOF AND OTHERS</p>	<p>Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Presentation of dialogue materials supplemented with visual aids; use of taped materials in the language laboratory is a regular part of the class work. Multisectioned. <i>Four credit hours.</i></p>
<p>3, 124 INTERMEDIATE FRENCH R. WEISS AND OTHERS</p>	<p>An intensive review of the audio-lingual skills, with regular work scheduled in the language laboratory. Limited review of basic grammar (see French 119). This work is followed by an intensive and extensive introduction to the techniques of reading for direct comprehension. Multisectioned. <i>Prerequisite:</i> Appropriate score on the CEEB French achievement test or French 122 (for 123) or French 123 (for 124). <i>Three credit hours.</i></p>
<p>1d CONVERSATION AND COMPOSITION FACULTY</p>	<p>Intensive practice in oral and written composition. <i>Prerequisite:</i> French 124 or appropriate CEEB score. <i>Three credit hours.</i></p>
<p>1, 142 INTRODUCTION TO FRENCH LITERATURE R. BUNDY AND OTHERS</p>	<p>Introduction to the reading of French literature using selected prose, poetry, and theater. Emphasis on class reading, discussion, and composition. <i>Prerequisite:</i> French 124 or three years of high school French and appropriate CEEB score. Qualified students may be admitted to the second semester without the first. <i>Four credit hours.</i></p>
<p>72] FRENCH FILM</p>	<p>A historical overview of French cinema as technology, as industry, as art; an introduction to the technique of filmmaking; and the close analysis of selected works representative of the principal schools of film and filmmaking. All films will have English subtitles. Conducted basically in English; no knowledge of French required. Augmented credit of one hour available with addition of one meeting per week conducted in French, with papers to be written in French. Does not satisfy the college language requirement. <i>Three or four credit hours.</i></p>
<p>1, 222 MAJOR FRENCH AUTHORS R. WEISS</p>	<p>The evolution of French literature and thought from the sixteenth to the twentieth century. Included among the authors read are: first semester—Montaigne, Pascal, Corneille, Voltaire, and Rousseau; second semester—Stendhal, Zola, Gide, Apollinaire, and Ionesco. Non-French majors may choose to write papers and examinations in English. <i>Four credit hours.</i></p>

223, 224 FRENCH CIVILIZATION MS. BERTRAND-GUY	The evolution of French society and culture from the Middle Ages to the present. Historical as well as literary and scientific readings will be used to illustrate social and intellectual attitudes. <i>Three or four credit hours.</i>
231d2 ADVANCED FRENCH MR. FILOSOF	A review of French grammar at the advanced level, with frequent <i>thèmes, versions,</i> and free composition. <i>Prerequisite:</i> French 131, 141 or 142 or appropriate CEEB score. <i>Three credit hours.</i>
[235] QUÉBEC IN TRANSITION	The evolution of French Canada based on both literary and nonliterary texts, tracing the transition of French-Canadian society from its rural beginnings to the modern cosmopolitan province of Québec. Topics will include agriculturalism, early nationalist movements. French Canadian migration to New England, urbanization, the language question, and the Parti Québécois. Conducted basically in English; no knowledge of French required. Augmented credit of one hour available with addition of one meeting per week conducted in French and based on readings in French. <i>Three or four credit hours.</i>
335 TOPICS IN SEVENTEENTH-CENTURY FRENCH LITERATURE MS. MOSS	The classical theater: Corneille, Racine, and Molière. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
336 TOPICS IN EIGHTEENTH-CENTURY FRENCH LITERATURE MR. FERGUSON	Prose fiction from Montesquieu to Beaumarchais, with emphasis on the <i>philosophes</i> . Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
351 FRENCH-CANADIAN LITERATURE MR. WEISS	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 authors such as Miron, Ferron, Tremblay, and Antonine Maillet. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>
357d2 TOPICS IN NINETEENTH-CENTURY FRENCH POETRY MR. BUNDY	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>
†[358] TOPICS IN NINETEENTH-CENTURY FRENCH LITERATURE	Representative works of the major nineteenth-century novelists: Stendhal, Balzac, Flaubert, and Zola. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i>

<p>375 THE FRENCH NOVEL OF THE TWENTIETH CENTURY MR. FILOSOF</p>	<p>Detailed study of selected novelists of the twentieth century: Sartre, Camus, Vian, Robbe-Grillet, Butor, Perec. Non-French majors may write papers and examinations in English. <i>Three or four credit hours.</i></p>
<p>376 MODERN FRENCH DRAMA MR. WEISS</p>	<p>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>. Playwrights studied will include Anouilh, Ionesco, Genet, and Arrabal; the theories of directors such as Copeau, Barrault, and Vilar will also be examined. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
<p>†[412] ADVANCED COMPOSITION AND STYLISTICS</p>	<p>Characteristics of French style as seen in various authors. Representative readings, compositions, translations, and introductory work in the history of the language. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p>
<p>†[493, 494] SEMINAR IN FRENCH LITERATURE</p>	<p>Topics may cover an author, a genre, or a literary movement. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
<p>499d LANGUAGE TEACHING FACULTY</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p>

Geology

<p>141e, 142 INTRODUCTION TO GEOLOGICAL SCIENCE MR. KOONS</p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes; laboratory and field sessions. Enrollment limited to three laboratory sections of 25 to 30 students; recommended for those planning to major in geology or environmental studies. Lecture and laboratory. May not be taken for credit in addition to Geology 161, 162. <i>Four credit hours.</i></p>
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†[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. <i>Three credit hours.</i>
†[172] OCEANOGRAPHY	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 MR. PESTANA	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. WESTERMAN	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>
241, 242 FIELD METHODS AND STRUCTURAL GEOLOGY MR. WESTERMAN	First semester: surface and subsurface mapping techniques applied to geological problems. Second semester: structural geology, including a study of mechanical deformation of rocks, microfibrils, primary structures, structural associations with plate tectonics. <i>Prerequisite:</i> Geology 142. <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] MICROPALEONTOLOGY	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.

Prerequisite: Geology 251 or permission of the instructor. *One to four credit hours.*

292
METEOROLOGY
R. KOONS

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. *Two credit hours.*

311
SEDIMENTATION
R. 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.
Prerequisite: Geology 142 and 215. *Four credit hours.*

312
SEDIMENTATION AND
CARBONATE SEDIMENTS
R. PESTANA

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.
Prerequisite: Geology 142 and 215. *Four credit hours.*

314
FIELD STUDY IN BERMUDA
R. PESTANA

Field and laboratory study of selected topics dealing with coral reefs, carbonate sediments, or other aspects of the Bermuda environment.
Prerequisite: Geology 176 and 312 or equivalents. *Five credit hours.*

[323, 324]
MAP INTERPRETATION AND
GEOMORPHOLOGY OF THE
UNITED STATES

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.
Prerequisite: Geology 142. *Four credit hours.*

[358]
GEOLOGICAL FIELD STUDY

A spring-recess field trip to a selected area. Students must cover expenses.
Prerequisite: Permission of the instructor. *One credit hour.*

371
GLACIAL GEOLOGY
R. KOONS

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.
Prerequisite: Geology 142. *Four credit hours.*

374
ORE DEPOSITS
R. WESTERMAN

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.

Prerequisite: Geology 215 and Chemistry 141. *Three credit hours.*

381, 382

OPTICAL MINERALOGY;
IGNEOUS AND METAMORPHIC
PETROLOGY

MR. WESTERMAN

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.

Prerequisite: Geology 215. *Four credit hours.*

452d1

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.

Prerequisite: Geology 251 and 311. *Four credit hours.*

483, 484

ENVIRONMENTAL GEOLOGY

MR. KOONS

Selected topics dealing with environmental quality. Extensive individual investigation.

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

491, 492

INDEPENDENT STUDY

FACULTY

Field and laboratory problems in geology or environmental problems, with regular reports and a final written report.

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

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.

121, 122

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.*

123, 124d

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.*

132 CONVERSATION AND COMPOSITION MR. KUETER	Language review, with emphasis on oral expression, written composition, and vocabulary development. <i>Prerequisite:</i> German 124 or permission of the instructor. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> German 124 or equivalent. <i>Three credit hours.</i>
†[223, 224] GERMAN CULTURAL TRADITIONS	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. <i>Prerequisite:</i> German 124 for students desiring credit toward a German major. No prerequisite for section in English. <i>Three credit hours.</i>
[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	Literature of the classical period: Lessing, Goethe, and Schiller. <i>Four credit hours.</i>
355 TOPICS IN NINETEENTH- CENTURY GERMAN LITERATURE MR. REYNOLDS	The German romantic movement. <i>Four credit hours.</i>
358 TOPICS IN TWENTIETH- CENTURY GERMAN LITERATURE MR. MCINTYRE	German literature after 1925. <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. KUETER AND MR. REYNOLDS

Topics, which change each semester, may cover an author, a genre, or a literary movement. Fall 1980: German literature to 1700; spring 1981: the Baroque Age. *Three or four 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.*

Government

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.*

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
MR. MAVRINAC

A systematic introduction to the ideas, practices, and experiences that shape modern politics, focusing on the evolution of the American system beginning with the constitutional period. Underlying philosophies and operational assumptions of other complex political systems are considered in order to provide perspective. The goal is to strengthen

en the student's overall model of the American political system and to help develop an appreciation of contemporary approaches of political scientists to political phenomena. Particularly intended as an introduction to American political thought, and as a foundation for further work in American government and politics, the political systems of other developed societies, and political theory. Designed for students from a variety of majors, including American studies, history, and government. *Four credit hours.*

215
TRANSNATIONAL RELATIONS IN
THE MODERN WORLD
MR. WEISSBERG

The basic actors, theories, and systematic elements of international politics and their relationship in the fluidity of the modern world. Emphasis is placed on the search for a structure of international security, and on such subjects as transnational power politics (including the role both of traditional states and of contemporary nonstate movements), comparative conceptions of diplomacy and war as instruments of goal achievement, and institutions of collective security. Intended both for students planning further study in international relations and for those who will not have other occasion in college to study the shape of the international system. *Three credit hours.*

[234]
EUROPEAN POLITICS

An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. *Four credit hours.*

†[237]
JAPAN AND THE UNITED STATES

The political, cultural, historical, and economic dynamics of Japan's drive to modernize since the Meiji Restoration of 1868. Special attention will be given to the ongoing conflict between the proponents of liberal democracy and those favoring an oligarchic, authoritarian governmental system. Throughout the study, we will seek to locate the roots of Japanese democracy and militarism. *Three credit hours.*

253
COMPARATIVE POLITICAL
PARTIES
MR. HAUSS

An introduction to the comparative analysis of political parties, focusing on the behavior of political parties in single and plural party systems. Parties in the United States, Great Britain, the People's Republic of China, and the Ivory Coast will be included. *Three or four credit hours.*

254
COMPARATIVE COMMUNISM
MR. HAUSS

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.*

<p>256 PARTIES AND THE ELECTORAL PROCESS MR. MAISEL</p>	<p>An analysis of partisan politics and elections in the United States, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. <i>Three or four credit hours.</i></p>
<p>†[271] ASIAN REVOLUTIONARY MOVEMENTS</p>	<p>An examination of revolutionary political change in India, China, and Vietnam. The social forces making for revolution, the characteristics of revolutionary leadership, and the problems of mobilization and organization in revolutionary struggles. <i>Three or four credit hours.</i></p>
<p>311 INTRODUCTION TO SOCIAL SCIENCE METHODS MR. HAUSS</p>	<p>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></p>
<p>314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC</p>	<p>The United States Supreme Court and constitutional litigation as part of the American political process. <i>Four credit hours.</i></p>
<p>[316] AMERICAN POLITICAL THOUGHT</p>	<p>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></p>
<p>317 THE POLICY-MAKING PROCESS MR. MACKENZIE</p>	<p>An examination of the policy-making process, including such topics as agenda setting, program formulation, consensus building, implementation, and the use and misuse of policy analysis. Special attention to methods and techniques of policy evaluation. Primary focus on policy making at the national level in the United States government. Familiarity with material covered in Government 211 is assumed. <i>Three or four credit hours.</i></p>
<p>[321], 322 POLITICAL THEORY MR. MAVRINAC</p>	<p>Some of the principal Western approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. Familiarity with material covered in Government 211 is assumed. <i>Three credit hours.</i></p>
<p>331 COLLOQUIUM ON TRANSNATIONAL ISSUES MR. WEISSBERG</p>	<p>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</p>

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

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

[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. <i>Three credit hours.</i>
333] TOTALITARIAN GOVERNMENT AND POLITICS	The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. <i>Three credit hours.</i>
336] INTERNATIONAL ORGANIZATION	The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. <i>Three credit hours.</i>
338 INTERNATIONAL LAW MR. WEISSBERG	The body of rules and principles of behavior that govern states in their relations with each other, as illustrated in cases and texts. <i>Three credit hours.</i>
351d2 THE WELFARE STATE MR. HAUSS	An exploration of the policies and political forces of western Europe's "welfare states." Emphasis will be placed on recent political developments in Great Britain, the Federal Republic of Germany, and Sweden. Thorough familiarity with material covered in Government 234 is assumed. <i>Three or four credit hours.</i>
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. <i>Three or four credit hours.</i>
358 CONTEMPORARY JAPANESE POLITICS MR. BOWEN	A survey of the political process in postwar Japan, with emphasis on some of the major institutions of political life. Japan is considered as a political system comparable to those of other industrial democracies, in spite of marked differences in social and cultural values. <i>Three credit hours.</i>
359] GOVERNMENT AND THE PRESS	The role of the press as the "fourth branch of the government," focusing on the internal workings of the various news media and on the relationships between those who report on the government and government officials. <i>Four credit hours.</i>

373 THE AMERICAN PRESIDENCY MR. MACKENZIE AND MR. MAISEL	The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. Familiarity with materials covered in Government 211 is assumed. <i>Three or four credit hours.</i>
374 THE AMERICAN CONGRESS MR. MACKENZIE AND MR. MAISEL	The organization, powers, and actions of the legislative branch of the American government examined in historical and contemporary perspective. Familiarity with materials covered in Government 211 is assumed. <i>Three or four credit hours.</i>
[377] SPECIAL PROBLEMS IN LOCAL GOVERNMENT	Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally, the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. <i>Three credit hours.</i>
*392 THE ADMINISTRATIVE PROCESS MR. MACKENZIE	The people and agencies responsible for the implementation of public policy in the United States. Emphasis on the character of bureaucratic decision-making, government organization and reorganization, public personnel systems, and administrative politics. <i>Three credit hours.</i>
[393] STATE AND LOCAL GOVERNMENT	The evolution of the federal system, with particular emphasis on current intergovernmental programs together with a comparative analysis of state and local governments, their organizational patterns and political climates. <i>Three credit hours.</i>
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>
413 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 MR. BOWEN	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 in-

digenous 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. *Three or four credit hours.*

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

[436]
AMERICAN POLITICS SEMINAR:
VOTING BEHAVIOR

An intensive examination of the social and psychological determinants of voting behavior. *Three credit hours.*

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. *Three or four credit hours.*

457
FOREIGN POLICY OF THE
UNITED STATES
MR. WEISSBERG

Problems of planning and executing American foreign policy.
Prerequisite: Government 215 or equivalent or permission of the instructor. *Three 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 credit hours.*

477
SEMINAR IN JAPANESE POLITICS
MR. BOWEN

An advanced seminar analyzing an aspect of democratic politics in modern Japan.
Prerequisite: Permission of the instructor or Government 138 or 231. *Three 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.*

493, 494
HONORS WORKSHOP
FACULTY

Individual and group meetings of seniors and faculty participating in government honors program.
Prerequisite: Permission of the department. *Four credit hours.*

Greek

IN THE DEPARTMENT OF CLASSICS

111d INTRODUCTORY GREEK MR. WESTERVELT	Introduction to Homeric Greek. <i>Four credit hours.</i>
112 INTERMEDIATE GREEK MRS. KOONCE	Readings in Homer's <i>Iliad</i> . <i>Four credit hours.</i>
131 INTRODUCTION TO GREEK LITERATURE MISS BUDENZ	The <i>Iliad</i> of Homer. <i>Three credit hours.</i>
232 ATTIC PROSE MRS. KOONCE	Plato: <i>Apology</i> , <i>Crito</i> , <i>Euthyphro</i> . Successful completion of this course fulfills the college language requirement. <i>Three or four credit hours.</i>
*254 ATTIC POETRY MRS. KOONCE	Euripides. <i>Three or four credit hours.</i>
[351] GREEK LITERATURE	Thucydides. <i>Three or four credit hours.</i>
*352 GREEK LITERATURE MR. WESTERVELT	Sophocles. <i>Three or four credit hours.</i>
[353] GREEK LITERATURE	Demosthenes. <i>Three or four credit hours.</i>
†[355] GREEK LITERATURE	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>

91, 492
INDEPENDENT STUDY
FACULTY

Reading in a field of the student's interest, with essays and conferences. *One to three credit hours.*

493]
SEMINAR

Aeschylus. *Three credit hours.*

History

11A
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. *Three credit hours.*

11B
THE RISE OF EUROPE
MRS. MAVRINAC

An examination of major national societies of eighteenth- and nineteenth-century Europe. Political and diplomatic developments of these modernizing states will be investigated, as will the social and cultural processes that accompanied them. Students will formulate and discuss their own analyses in order to develop understanding and skills. Open to freshmen and sophomores. *Three credit hours.*

112A
THE DECLINE OF EUROPE
MR. GILLUM

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.*

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.*

1123, 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
 MR. BERSCHNEIDER
- 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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- *197
 HISTORY THROUGH AUTOBIOGRAPHY
 MR. BERNARD AND MR. BASSETT
- An interdisciplinary team-taught course focusing on several American autobiographies (Bradford, Franklin, Douglass, Twain, others) in order to understand the relationships between individual lives and cultural, social, political, and literary history in America. Coordinated with English 115, Section A. *Three credit hours.*
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- 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. *Three or four credit hours.*
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- 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. *Three credit hours.*
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- †[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. Formerly listed as History 138. *Three or four credit hours.*

37
THE EMERGENCE OF MODERN
BRITAIN, 1688-1867
R. GILLUM

England during the American, French, and Industrial revolutions. *Three credit hours.*

38
THE DECLINE OF BRITAIN,
1867-1980
R. GILLUM

Britain from the age of imperialism through the era of world wars and to the dissolution of the empire. *Three credit hours.*

53
AMERICAN DIPLOMATIC
HISTORY, 1775-1898
R. BERSCHNEIDER

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. *Three or four credit hours.*

[255]
EUROPEAN DIPLOMATIC
HISTORY, 1815-1890

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. *Three or four credit hours.*

[256]
EUROPEAN AND AMERICAN
DIPLOMATIC HISTORY,
1890-1945

Selected topics in diplomatic history analyzing the alteration of the European state system in war and revolution and the emergence of two non-European world powers, the Soviet Union and the United States. Specific attention will be given to the development of international organizations. *Three or four credit hours.*

77
AFRO-AMERICAN HISTORY I
R. WEISBROT

From slavery to emancipation, 1600-1865. The nature of racism in America, the black experience of slavery, struggles for black freedom, and the impact of race on American democracy, culminating in the Civil War. *Three credit hours.*

78
AFRO-AMERICAN HISTORY II
R. WEISBROT

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. *Three credit hours.*

91
AMERICAN HISTORY:
COLLOQUIUM
R. MOSS

A general introduction to the study of American history: the philosophy of history and the types of history, research methods, and practice. *Prerequisite:* History 123 and 124 and permission of the instructor. *Three credit hours.*

<p>*297 THE AGE OF REFORM: 1790-1860 MR. BERNARD</p>	<p>An exploration of the relationships between political beliefs, cultural ideals, and social change from the founding of the new nation to the Civil War. Extensive reading in primary sources. <i>Three credit hours.</i></p>
<p>*298 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>[311] TUTORIAL IN HISTORY</p>	<p>Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to six students. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>†[314] THE FIRST WORLD WAR AND THE CRISIS OF EUROPEAN SOCIETY</p>	<p>The origins of the First World War, its military and social history and its influence on the transformation of European society, 1900-1925. Particular attention will be given to the decline of the British Empire and to the Russian Revolution. <i>Three credit hours.</i></p>
<p>[317] THE INTRODUCTION OF MARXISM INTO CHINA</p>	<p>The development of Marxist ideology in Europe interwoven with the history of the evolution of Chinese thought and society in the late nineteenth and early twentieth centuries as a result of the impact of Western imperialism. The origin of the Chinese environment into which Marxist thought was received and transformed and the impact of Marxist ideas on China through the early 1930's. <i>Three or four credit hours.</i></p>
<p>318 THE PEOPLE'S REPUBLIC OF CHINA MR. FEIGON</p>	<p>The development of Chinese Communist theories and practice since 1949 and their relation to socialist ideas and activities in other countries. Special emphasis will be placed on the socioeconomic background in China within which Maoist theory developed, particularly on the problems involved in attempting to bring about a socialist reorganization of state and society while engaged in industrial development. <i>Three or four credit hours.</i></p>
<p>*333 MEDIEVAL ENGLAND MR. GILLUM</p>	<p>A political survey of English history in the Saxon, Norman, Angevin, Lancastrian, and Yorkist periods. <i>Three credit hours.</i></p>
<p>†[335] A CONSTITUTIONAL AND LEGAL HISTORY OF MEDIEVAL ENGLAND</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>41, 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>54 AMERICAN INTELLECTUAL HISTORY, 1865-1917 MR. COCKS</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>55 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 MR. GILLUM</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</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>
<p>72 THE AMERICAN CIVIL WAR MR. RAYMOND AND MR. BASSETT</p>	<p>For 1980-81: an analysis of the Civil War from a multidisciplinary perspective. Military and political history will combine with cultural history, particularly literary treatments of the war, in this special team-taught examination of the American Civil War. <i>Three credit hours.</i></p>

<p>*373 AMERICAN POLITICAL HISTORY, 1865-1929 MR. WEISBROT</p>	<p>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. <i>Three or four credit hours.</i></p>
<p>*374 AMERICAN POLITICAL HISTORY, 1929 TO PRESENT MR. WEISBROT</p>	<p>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. <i>Three credit hours.</i></p>
<p>[375] AMERICAN COLONIAL HISTORY</p>	<p>The period of European colonization of North America and of the emergence of the American social and political "system" of 1776 and 1787 that prefigures the United States of the nineteenth and twentieth centuries. <i>Three credit hours.</i></p>
<p>*376 AMERICA: THE NEW WORLD, 1607-1783 MR. MOSS</p>	<p>The United States from its settlement to the War of Independence; the emergence of a unique American society, mind, and political structure. <i>Prerequisite:</i> History 123. <i>Three credit hours.</i></p>
<p>†[378] THE UNITED STATES, 1783-1860</p>	<p>The problems of the new nation, including slavery, sectionalism, industrialism, urbanism, reform, and democracy. <i>Three credit hours.</i></p>
<p>[379] BLACK HISTORY III</p>	<p>The history of the black American and race relations from the Harlem Renaissance to 1955, including blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations. <i>Prerequisite:</i> History 277, 278 or permission of the instructor. <i>Three credit hours.</i></p>
<p>393 AMERICAN CULTURAL HISTORY, 1600-1865 MR. MOSS</p>	<p>American life from the founding to the Civil War as seen from a social and intellectual perspective. Emphasis on the growth of a unique American mind and its relationship to new world social and political development. <i>Three credit hours.</i></p>
<p>[394] SLAVERY AND THE AMERICAN SOUTH, 1819-1857</p>	<p>Slavery in its institutional form. The development of slavery in an American south making a partial transformation from an agrarian empire to a slightly industrial area. <i>Three credit hours.</i></p>
<p>*398 AMERICAN CULTURE AND SOCIETY, 1917-1975 MS. HUNTER</p>	<p>The development of modern culture from World War I to Vietnam, from the Roaring Twenties to the "me decade." Changes in work, leisure, ideology, and self-conception for a variety of American groups; the effect of the mass media on modern life. <i>Three credit hours.</i></p>

15
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; black families in slavery and freedom; working class families during industrialization; the Victorian family; the modern family. (B) "American Foreign Policy since 1945" (Mr. Weisbrot). The shaping of American foreign policy by domestic politics, democratic ideology, and global strategy. Readings focus on roots of the cold war, confrontations with the Communist world, and the shattering of our anti-Communist consensus during American intervention in Southeast Asia. (C) "History of Irish Nationalism" (Mr. Cocks). The major ideas and developments in nineteenth-century Irish national consciousness, using primary source material of Irish and American thinkers.

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

16
SEMINAR IN AMERICAN HISTORY
FACULTY

(A) "The American Early National Period" (Mr. Moss). The crucial issues of American history between 1789 and 1840: were political or cultural developments more important in the early growth of the American republic? Issues will include the Federalist period, the Revolution of 1800, the War of 1812, the rise of technology, and Jacksonian democracy. (B) To be announced (Mr. Weisbrot). (C) "Comparative Ethnic Experiences in Twentieth-Century America" (Ms. Hunter). Patterns and differences in the American experiences of recent immigrant groups. Issues of community, conflict, and acculturation as they emerge in the history of Italian, Jewish, Asian, and Latin immigrant groups.

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

[418]
SEMINAR IN DIPLOMATIC
HISTORY, 1945-1970

"Vietnam," a case study in the diplomacy of the cold war: an analysis of the diplomatic involvement of France and the United States in the movement for Vietnamese independence.

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

[419]
SEMINAR IN MEDIEVAL HISTORY

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.*

[32]
SEMINAR IN BLACK HISTORY

Group discussion and individual reports based on readings and research on selected topics in black history from 1955 to the present, including current ideologies and activities in the black community.

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.*

491, 492
INDEPENDENT STUDY
FACULTY

A study of history through individual projects.
Prerequisite: History major and permission of the department chairman and the instructor. *One to four credit hours.*

Human Development

393d2
SEMINAR
MR. PARKER

The study of multidisciplinary perspectives on problems in human development. *Two credit hours.*

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

493
SEMINAR IN HUMAN
DEVELOPMENT
INSTRUCTOR

An interdisciplinary seminar required of all senior majors in human development. Students are expected to integrate their previous work in the major into an articulated perspective. *Three credit hours.*

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.)

Italian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

†[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. *Four credit hours.*

23, 124 INTERMEDIATE ITALIAN R. FERGUSON	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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Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

21, 122 ELEMENTARY JAPANESE RS. STRONG	Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. <i>Four credit hours.</i>
23, 124 INTERMEDIATE JAPANESE RS. STRONG	A continuation of Japanese 122, with greater emphasis on written Japanese. <i>Prerequisite:</i> Japanese 122. <i>Four credit hours.</i>
[321, 322] ADVANCED JAPANESE	Advanced readings in Japanese. Designed primarily for those students who have had substantial experience in a Japanese-speaking setting. <i>Prerequisite:</i> Japanese 124 or permission of the instructor. <i>Three or 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>

Latin

IN THE DEPARTMENT OF CLASSICS

411 INTENSIVE ELEMENTARY LATIN MISS BUDENZ	An intensive course in Latin grammar and syntax. <i>Four credit hours.</i>
412 INTERMEDIATE LATIN R. WESTERVELT	Selected readings from Latin authors. <i>Three credit hours.</i>

113 INTRODUCTION TO LATIN LITERATURE MRS. KOONCE	Readings in Plautus. <i>Three credit hours.</i>
232 INTRODUCTION TO LATIN POETRY MISS BUDENZ	Readings in Virgil's <i>Aeneid</i> . Successful completion of this course fulfills the college language requirement. <i>Prerequisite:</i> Latin 113 or permission of the instructor. <i>Three or four credit hours.</i>
[251] LATIN LITERATURE	Roman drama. <i>Three or four credit hours.</i>
*351 LATIN LITERATURE MR. WESTERVELT	Lucretius. <i>Three or four credit hours.</i>
†[352] LATIN LITERATURE	Livy. <i>Three or four credit hours.</i>
[353] LATIN LITERATURE	Roman elegy. <i>Three or four credit hours.</i>
[354] LATIN LITERATURE	Cicero: selected speeches. <i>Three or four credit hours.</i>
[355] LATIN LITERATURE	Roman satire. <i>Three or four credit hours.</i>
[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>
359d2 LATIN LITERATURE MISS BUDENZ	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>

191, 492
INDEPENDENT STUDY
FACULTY

Reading in a field of the student's interest, with essays and conferences. *One to three credit hours by prior arrangement.*

†[494]
SEMINAR

Virgil: *Aeneid*. *Three or four credit hours.*

Literature in Translation

OFFERED BY THE DEPARTMENTS OF CLASSICS, ENGLISH, AND MODERN
FOREIGN LANGUAGES

133
GREEK MYTH AND LITERATURE
MR. WESTERVELT

Listed as Classics 133 (q.v.). *Three or four credit hours.*

†[223, 224]
GERMAN CULTURAL TRADITIONS

Listed as German 223, 224 (q.v.). *Three credit hours.*

*225, 226
RUSSIAN CULTURE AND
CIVILIZATION
MR. MILLER

Listed as Russian 223, 224 (q.v.). *Three credit hours.*

†[232]
GREEK TRAGEDY

Listed as Classics 232 (q.v.). *Three or four credit hours.*

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

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

[235]
QUÉBEC IN TRANSITION

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

†[237]
RUSSIAN LITERATURE IN
TRANSLATION I

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

†[238]
RUSSIAN LITERATURE IN
TRANSLATION II

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

†[276] Listed as English 276 (q.v.). *Three or four credit hours.*
DANTE IN TRANSLATION

†[278] Listed as English 278 (q.v.). *Three credit hours.*
ITALIAN FICTION AND FILM

[373] Listed as English 373 (q.v.). *Three credit hours.*
THE DEVELOPMENT OF
DRAMATIC ART I

[374] Listed as English 374 (q.v.). *Three credit hours.*
THE DEVELOPMENT OF
DRAMATIC ART II

[375] Listed as English 375 (q.v.). *Three credit hours.*
MODERN DRAMA I

[376] Listed as English 376 (q.v.). *Three credit hours.*
MODERN DRAMA II

437 Listed as English 437 (q.v.). *Three credit hours.*
THE LITERATURE OF
EXISTENTIALISM
MR. MIZNER

Mathematics

113d Basic concepts and techniques of higher algebra that will be useful in
LINEAR ALGEBRA further applications of mathematics. Systems of equations and matrices
FACULTY are used as vehicles for this study. May not be taken for credit if the
student has earned credit for Mathematics 221. Multisectioned. *Three
credit hours.*

121d Elementary differential and integral calculus. Multisectioned. *Three
CALCULUS I credit hours.*
FACULTY

122d Further study of differential and integral calculus, with selected ap-
CALCULUS II plications. Multisectioned.
FACULTY *Prerequisite: Mathematics 121. Four credit hours.*

21d CALCULUS III FACULTY	<p>An introduction to complex arithmetic; vectors from a geometric viewpoint; solutions of linear systems of algebraic equations and matrix algebra. Also an introduction to linear spaces and linear transformations; theory and applications of determinants, eigenvalues and eigenvectors of linear transformations and matrices, and the principal axis theorem; quadratic forms. An introduction to first-order systems of linear differential equations. Multisectioned.</p> <p><i>Prerequisite:</i> Mathematics 122. <i>Four credit hours.</i></p>
22d CALCULUS IV FACULTY	<p>Topics in multivariable calculus and a continuation of work in differential equations. Multisectioned.</p> <p><i>Prerequisite:</i> Mathematics 221. <i>Four credit hours.</i></p>
241d, 242 ELEMENTARY STATISTICS I AND II MS. WALKER	<p>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.</p> <p><i>Prerequisite:</i> Mathematics 121. Mathematics 241: <i>four credit hours</i>; 242: <i>two credit hours.</i></p>
243, 244 FINITE MATHEMATICS	<p>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.</p> <p><i>Prerequisite:</i> Mathematics 113 or 121. <i>Three credit hours.</i></p>
311 DIFFERENTIAL EQUATIONS MR. GOULET	<p>Theory and solution methods of first- and second-order ordinary differential equations with applications; first-order linear systems, solutions, and stability.</p> <p><i>Prerequisite:</i> Mathematics 222 or permission of the instructor. <i>Three credit hours.</i></p>
312 TOPICS IN ANALYSIS MR. GOULET	<p>A continuation of Mathematics 311. Linear systems, stability and linearization of nonlinear systems, partial differential equations, particularly linear equations. Also Fourier series, Fourier transforms, Sturm-Liouville theorem as applied to partial differential equations; an introduction to potential theory; Green's functions.</p> <p><i>Prerequisite:</i> Mathematics 311. <i>Three credit hours.</i></p>

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 AND PROGRAMMING MR. HAMILTON	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. HAMILTON	Selected topics in modern mathematics and operations research that have applications in current societal problems. The content will vary from year to year, but topics such as graph theory, combinatorics, game theory, linear programming, optimization techniques, and Markov chains would be considered. <i>Prerequisite:</i> Mathematics 222. <i>Three or four credit hours.</i>
381, 382 MATHEMATICAL STATISTICS MS. WALKER	Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, emphasis is on theory. <i>Prerequisite:</i> Mathematics 222. <i>Three credit hours.</i>
401, 402 MATHEMATICS SEMINAR 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>

421, 422 ADVANCED CALCULUS MR. HAMILTON	More advanced topics of calculus and an introduction to real analysis. <i>Prerequisite:</i> Mathematics 222 and senior standing, or permission of the instructor. <i>Three credit hours.</i>
431d2 INTRODUCTION TO TOPOLOGY MS. WALKER	General topology, including such topics as elementary point set topology, mapping, and metric spaces. <i>Prerequisite:</i> Mathematics 421 or permission of the instructor. <i>Three credit hours.</i>
[432] HIGHER GEOMETRY	Properties of various geometrics, with emphasis on axiomatic development. <i>Prerequisite:</i> Mathematics 361, 362. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Independent study in an area of mathematics of particular interest to the student. <i>Prerequisite:</i> Mathematics major and permission of the department. <i>Two to four credit hours.</i>

Modern Foreign Languages

411d2 TEACHING OF MODERN FOREIGN LANGUAGES MR. BUNDY	Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Some attention is also directed to the FLES program. Counts as three hours in education toward the Maine secondary-school teaching certificate. Conducted in English. Nongraded. <i>Prerequisite:</i> Two 200-level modern foreign literature courses. <i>Three credit hours.</i>
491, 492 INDEPENDENT TOPICS IN MODERN FOREIGN LANGUAGES FACULTY	Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the department chairman. <i>Two to four credit hours.</i>

Music

111d INTRODUCTION TO MUSIC MR. MACHLIN	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>
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131 STUDIES IN AMERICAN MUSIC MR. MACHLIN	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>
134 THE SYMPHONY MR. ARMSTRONG	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>
*135 CHANSONS AND LIEDER MISS HEINRICH	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>
†[151] MUSIC IN THE LIBERAL ARTS	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>
153d INTRODUCTION TO MUSIC THEORY MR. ARMSTRONG AND MISS HEINRICH	An introductory survey of the main aspects of music theory, including intervallic, melodic, and rhythmic dictation, creative writing, and analytical studies of representative compositions from various historical periods. Primarily for students not intending to major in music. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>

172 MUSIC THEORY II MRS. REUMAN	A continuation of Music Theory I, covering skills pertaining to further melodic analysis, two- and three-part writing, and basic chord structure. Primarily for music majors. <i>Prerequisite:</i> Music 171 and keyboard proficiency test. <i>Three credit hours.</i>
191, 192 APPLIED MUSIC: INDIVIDUAL STUDY STAFF	Instruction in voice and instruments for qualified students. Possible offerings in 1980-81, 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. <i>Prerequisite:</i> Music 153 or 171 (may be taken concurrently) and permission of the department. <i>Flexible credit. One or two credit hours.</i>
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. <i>Prerequisite:</i> Music 153 or 171 (may be taken concurrently) and permission of the department. <i>Flexible credit. One credit hour.</i>
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 171. <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. RÉ	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>
*235d2 CHAMBER MUSIC MRS. REUMAN	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>Four credit hours.</i>
†[272] MUSIC THEORY IV	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 MR. MACHLIN	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>
[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	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 MR. RÉ	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 271 and permission of the instructor. <i>Three credit hours.</i>

191, 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.

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

193, [494]
SEMINAR IN MUSIC
MRS. REUMAN AND
MR. GILLESPIE

Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors.

Prerequisite: Music 271 and permission of the instructor. *Three or four credit hours.*

499d
MUSIC TEACHING
MR. MACHLIN

Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Nongraded.

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

APPLIED MUSIC

Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. Students of applied music are invited to participate in the college band, chapel choir, glee club, and symphony orchestra, with or without academic credit; small ensembles are also formed from time to time. For information concerning academic credit, see the statements for Music 191, 192 and 193, 194. In the case of Music 191, 192, a fee of \$120 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$70. A fee of \$20 per semester is charged for use of the electronic music center; users are also liable for damage to equipment. Fees are payable on the semester bill. Students are not charged for membership in musical organizations or small ensembles.

All majors are expected to demonstrate some skill at the keyboard; consult the department. Students not already proficient are urged to remedy this deficiency as soon as possible by enrolling for piano study.

The department reserves some scholarship money to aid students of applied music; consult the chairman.

Performing Arts

11d
THEATER PRODUCTION
MR. WOODY

A basic course in the technical aspects of theatrical production. Application of theory to practice is required in laboratory and Performing Arts presentations. Enrollment limited. Flexible credit. *Three credit hours.*

132 SCENE DESIGN MR. WOODY	The art of scene design from an analysis of the playwright's text to the aesthetic and functional solutions for achieving a viable design. Projects will include design drawings with written justification of assigned plays for in-class discussion and criticism. Attendance at Performing Arts and Powder and Wig productions required. Enrollment limited to 10 students. <i>Prerequisite:</i> Performing Arts 111 or permission of the instructor. Flexible credit. <i>Three credit hours.</i>
171d2 ACTING I MR. SEWELL	Basic techniques of stage performance. Enrollment limited. Flexible credit. <i>Three credit hours.</i>
†[221, 222] THEATER HISTORY	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. <i>Three credit hours.</i>
231 STAGE LIGHTING MR. WOODY	Principles and tools of stage lighting, with special emphasis on translating design ideas to the physical stage. Attendance at several college productions and work on one production are required. <i>Prerequisite:</i> Performing Arts 111 and permission of the instructor. Flexible credit. <i>Two credit hours.</i>
†[241, 242] INTRODUCTION TO THE ART OF DANCE	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. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
251d2 STAGE MOVEMENT MS. MITCHELL-WENTZEL	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	Advanced techniques of stage acting. Scenes and short plays. <i>Prerequisite:</i> Performing Arts 171 or permission of the instructor. Flexible credit. <i>Three or four credit hours.</i>
†[274] PERFORMING THE CLASSICS	Diction, style, and interpretation in classical theater. Memorized scene work from <i>The Trojan Women</i> , <i>Macbeth</i> , <i>The Rivals</i> , and other classical plays. An actor's study of poetics, including vocabulary.

Prerequisite: Performing Arts 171 or permission of the instructor. Flexible credit. *Three credit hours.*

†[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>
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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. <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>
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PERFORMING ARTS PROGRAM	For additional offerings in the performing arts, see section on Interdisciplinary Studies.
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Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

112d LOGIC MR. MCARTHUR	The techniques of formal reasoning and their application to argumentation in ordinary language. <i>Three credit hours.</i>
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133d INTRODUCTION TO WESTERN PHILOSOPHY I FACULTY	Some typical problems in Western philosophy: ethics, sociopolitical philosophy, and philosophy of religion. Multisectioned. <i>Three credit hours.</i>
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134d INTRODUCTION TO WESTERN PHILOSOPHY II FACULTY	Some typical problems in Western philosophy: theory of knowledge, metaphysics, and philosophy of science. Multisectioned. <i>Three credit hours.</i>
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*197 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. <i>Three credit hours.</i>
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<p>*198 MEDIEVAL AND EARLY MODERN CHINESE INTELLECTUAL HISTORY MR. ELMAN</p>	<p>The development of Chinese philosophy in its historical context from 220 A.D. to the fall of the Ming empire in 1644. Emphasis on the emergence of Chinese Buddhism, Neo-Taoism, and Neo-Confucianism in the premodern period. Readings from primary sources in translation. <i>Prerequisite:</i> One course in East Asian studies or permission of the instructor. <i>Three credit hours.</i></p>
<p>211 MORAL PHILOSOPHY MR. REUMAN</p>	<p>The bases of judgment on questions of good and bad, right and wrong; the application of ethical principles to problem cases. <i>Three or four credit hours.</i></p>
<p>†[236] SOCIAL PHILOSOPHY</p>	<p>Readings from Plato, Locke, Rousseau, Marx, and others; their relevance to contemporary problems. <i>Three credit hours.</i></p>
<p>*258 INTERMEDIATE LOGIC MR. MCARTHUR</p>	<p>A treatment of philosophical problems arising from logic and mathematics, e.g., the nature of axiomatic theories, the limitations of the axiomatic method, the nature of logical and mathematical truth, nominalism and realism, and the relation of logic to philosophy. <i>Prerequisite:</i> Philosophy 112 or permission of the instructor. <i>Three credit hours.</i></p>
<p>[277, 278] PHILOSOPHICAL PERSPECTIVES</p>	<p>Interdisciplinary considerations of various topics, involving lecturers from several departments. <i>Three credit hours.</i></p>
<p>281, 282 CULTURAL EUTHENICS: A NEW ADAM AND A NEW EDEN MR. TODRANK</p>	<p>Listed as Religion 281, 282 (q.v.). <i>Three or four credit hours.</i></p>
<p>291, [292] PHILOSOPHY SEMINAR MR. PARKER</p>	<p>Seminars in selected areas of philosophy. Fall 1980: "Mysticism," the types, expressions, interpretations, and evaluations of mystical experience in various times and places. <i>Three credit hours.</i></p>
<p>†[297] PHILOSOPHICAL ANTHROPOLOGY</p>	<p>Studies in the nature and destiny of man. Readings from philosophers, anthropologists, ethologists, sociobiologists, and literary figures. <i>Three credit hours.</i></p>
<p>*298 PHILOSOPHY OF LAW MR. MCARTHUR</p>	<p>The interrelations between law, philosophy, and logic. Topics will include the nature and foundation of legal systems, the relation of law and morality, the limits of law, punishment, justice, and legal reasoning. <i>Three credit hours.</i></p>

<p>316] METAPHYSICS</p>	<p>A study of classical Aristotelian metaphysics developed into modern times and its use as a perspective on modern metaphysical views such as existentialism and essentialism and also on such topics as the scope and grasp of being and its modes, the analogical method and fundamental principles of metaphysics, possibility and actuality, contingency and necessity, substance and accident, and causation and freedom. <i>Prerequisite:</i> One course in philosophy or permission of the instructor. <i>Three or four credit hours.</i></p>
<p>[317] PHILOSOPHY OF SCIENCE</p>	<p>Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the social and natural sciences will be considered. <i>Three credit hours.</i></p>
<p>[318] ETHICS AND GENERAL THEORY OF VALUE</p>	<p>Philosophic approaches to the nature of value, especially ethical judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating to scientific findings. <i>Prerequisite:</i> Philosophy 211 or permission of the instructor. <i>Three credit hours.</i></p>
<p>331 HISTORY OF ANCIENT PHILOSOPHY MR. PARKER</p>	<p>Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. <i>Three or four credit hours.</i></p>
<p>332 HISTORY OF MODERN PHILOSOPHY MR. REUMAN</p>	<p>European philosophy from Descartes to the nineteenth century, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. <i>Four credit hours.</i></p>
<p>333 PHILOSOPHY OF EDUCATION MR. HUDSON</p>	<p>Philosophical positions held by theorists from Plato to Dewey; primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of the instructor. <i>Three or four credit hours.</i></p>
<p>[352] AMERICAN PHILOSOPHY</p>	<p>Representative thinkers in each major period and movement in American philosophical thought, and an attempt to relate the teachings of these thinkers to contemporary philosophical, educational, and social issues. <i>Three credit hours.</i></p>
<p>53 CONTEMPORARY ANALYTIC PHILOSOPHY MR. MCARTHUR</p>	<p>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></p>

<p>[355] INDIAN THOUGHT</p>	<p>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></p>
<p>*356 INDIAN THOUGHT MR. HUDSON</p>	<p>Types of Indian philosophy of the modern period. Readings from such thinkers as Gandhi, Tagore, Ramakrishna, Vivekananda, and Radhakrishnan. <i>Three credit hours.</i></p>
<p>*359 NINETEENTH-CENTURY PHILOSOPHY MR. REUMAN</p>	<p>Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation. <i>Prerequisite:</i> Philosophy 331 and 332, or permission of the instructor. <i>Three credit hours.</i></p>
<p>*372 PHILOSOPHY OF RELIGION MR. PARKER</p>	<p>Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason. <i>Prerequisite:</i> One course in philosophy and one course in religion, or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[373] HISTORY OF MEDIEVAL PHILOSOPHY</p>	<p>History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics. <i>Prerequisite:</i> Philosophy 331. <i>Three or four credit hours.</i></p>
<p>†[374] EXISTENTIALISM AND PHENOMENOLOGY</p>	<p>A survey of the principal thinkers of twentieth-century existential philosophy, with minor attention to phenomenology. Readings will be from some of the following: Heidegger, Sartre, Jaspers, Marcel, Buber, and Merleau-Ponty. Philosophy 359 is a desirable background but is not required. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i></p>
<p>[391, 392] PHILOSOPHY SEMINAR</p>	<p>Seminars in selected areas of philosophy. <i>Three credit hours.</i></p>
<p>*398 APPLIED ETHICS MR. REUMAN</p>	<p>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. <i>Prerequisite:</i> Philosophy 211 or permission of the instructor. <i>Three credit hours.</i></p>

91, 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>
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Physical Education

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. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Three credit hours.</i>
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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. <i>Prerequisite:</i> Permission of the instructor. Flexible credit. <i>Three credit hours.</i>
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Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

†[112] ENERGY AND THE ENVIRONMENT	An analytical treatment of systems and their interactions, demonstrating the central role of energy conversion processes in the environment. Satisfies the laboratory science requirement. <i>Three credit hours.</i>
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121, 122 GENERAL PHYSICS MR. METZ AND MR. CAMPBELL	A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, relativity, and quantum physics. Physics 211 may serve as a prerequisite for Physics 122. Lecture and laboratory. <i>Prerequisite:</i> Mathematics 121 and 122 (may be taken concurrently). <i>Four credit hours.</i>
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52 ESSENTIAL ELECTRONICS FACULTY	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 in-
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strumentation. 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
FACULTY

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

321, 322
ELECTRICITY AND MAGNETISM
MR. CAMPBELL AND MR. DUDLEY

First semester: a theoretical treatment of electrostatics and magneto-statics 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. *Two credit hours.*

431
PHYSICAL OPTICS
MR. CAMPBELL

Radiation, interference, diffraction, coherence, Fourier optics, and wave propagation in media. Lecture and laboratory.

Prerequisite: Physics 321. *Four credit hours.*

441, 442
QUANTUM PHYSICS
MR. DUDLEY AND 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.*

452
SENIOR LABORATORY
FACULTY

Projects in experimental physics.

Prerequisite: Permission of the department. *Two 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.*

Psychology

111d INTRODUCTION TO PSYCHOLOGY FACULTY	An overview of contemporary psychology, introducing concepts and methods current in the field. Multisectioned. <i>Three credit hours.</i>
214d RESEARCH METHODS MS. SKOWBO	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. <i>Prerequisite: Psychology 111. Three credit hours.</i>
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. <i>Prerequisite: Psychology 111. Four credit hours.</i>
232 COGNITIVE PSYCHOLOGY MR. ROHRMAN	The human information-processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and laboratory. <i>Prerequisite: Psychology 111. Four credit hours.</i>
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: Psychology 111. Three credit hours.</i>
238 PSYCHOLOGY OF LANGUAGE MR. ROHRMAN	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: Psychology 111 and permission of the instructor. Three credit hours.</i>
251 PSYCHOLOGY OF PERSONALITY MR. PEREZ	Major systematic interpretations and current research in the psychology of personality, with a focus on psychodynamic, behavioristic, and humanistic approaches. <i>Prerequisite: Psychology 111. 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: Psychology 111. Three credit hours.</i>

254 ABNORMAL PSYCHOLOGY MR. PEREZ	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. O'BRIEN	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. O'BRIEN	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>
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 MR. LESTER	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>
†[352] PSYCHOLOGY OF EXCEPTIONAL CHILDREN	Selected topics in developmental psychology. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 255 or 256, and permission of the instructor. <i>Three credit hours.</i>
†[354] ADVANCED PERSONALITY AND ABNORMAL PSYCHOLOGY	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	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>
373d2 VISUAL PSYCHOPHYSICS MS. SKOWBO	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>
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 FACULTY	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>

Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

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>
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211 INDIAN RELIGIONS MS. SOIFER	A survey of the religious traditions of India, focusing primarily on Hinduism, Buddhism, Jainism, and Islam. Formerly listed as Religion 311. <i>Three credit hours.</i>
212 EAST ASIAN RELIGIONS MS. SOIFER	A survey of the religious traditions of China and Japan, focusing primarily on Buddhism, Taoism, Confucianism, and Shinto. Formerly listed as Religion 312. <i>Three credit hours.</i>
214 THE BUDDHIST TRADITION MS. SOIFER	An examination of Buddhism and its development in India, China, Japan, and Tibet. <i>Three credit hours.</i>
*217 RELIGION IN AMERICA MR. LONGSTAFF	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>
223, 224 BIBLICAL LITERATURE MR. LONGSTAFF	Biblical literature in terms of its historical and cultural context, its original meaning, and its relevance to the contemporary world. The first semester deals with the Old Testament; the second, with the Apocrypha and the New Testament. <i>Three or four credit hours.</i>
[277, 278] RELIGIOUS PERSPECTIVES	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: the relationship between the life-style of modern man and the current environmental crisis, and the resulting urgent need for a new "Adam" and a new "Eden." Second semester: an analysis of some of the economic, political, ethical, and religious aspects of essential reforms to achieve a new era for a new earth. Faculty members from other departments will participate in panel discussions of the basic issues. <i>Three or four credit hours.</i>
*297 THE HINDU MYTHOLOGICAL TRADITION MS. SOIFER	An examination of basic themes and issues in Hinduism as they are expressed in the rich and varied mythological tradition. The course will offer firsthand exposure to primary texts from all periods of Hinduism. <i>Prerequisite:</i> Religion 211 or permission of the instructor. <i>Three credit hours.</i>
*298 ISLAM: PAST AND PRESENT MR. LONGSTAFF	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 charac-

teristics. Attention will be given both to Islam in its formative period and to Islam in its contemporary Middle Eastern context. *Three credit hours.*

†[316] CONTEMPORARY WESTERN THEOLOGY	A survey of modern methods and styles in theological discourse, including examples of the use of poetry, drama, art, and music. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
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[319] PRIMITIVE RELIGION	Archaic and primitive religious life. The religion of aborigines, Polyne- sians, African and Latin-American tribes, and North American In- dians. <i>Prerequisite:</i> One course in philosophy or religion. <i>Three credit hours.</i>
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†[351] THE BOOK OF JOB	The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems. <i>Prerequisite:</i> Religion 121 or 223. <i>Three credit hours.</i>
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†[352] THE THEOLOGY OF PAUL	Paul's letters, and the controversies that prompted them, will be stud- ied as a basis for understanding Pauline theology, its relation to other elements of first-century Christianity, and its influence on later Western thought. <i>Prerequisite:</i> Religion 224. <i>Three credit hours.</i>
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†[353] THE GREAT PROPHETS OF ISRAEL	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 proph- ecy in ancient and modern times. <i>Prerequisite:</i> Religion 223. <i>Three credit hours.</i>
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†[358] JESUS OF NAZARETH	A critical study of the Gospel materials dealing with the life and teaching of Jesus. Giving attention to method, the course will examine some of the recent literature on the topic. <i>Prerequisite:</i> Religion 224 and permission of the instructor. <i>Three credit hours.</i>
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*372 PHILOSOPHY OF RELIGION MR. PARKER	Listed as Philosophy 372 (q.v.). <i>Three credit hours.</i>
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†[373] HISTORY OF MEDIEVAL PHILOSOPHY	Listed as Philosophy 373 (q.v.). <i>Three or four credit hours.</i>
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391, [392]
RELIGION SEMINAR
MS. SOIFER

Seminars in selected areas of religion. Fall 1980: "Readings in the History of Religions," a seminar focusing on several major scholars whose methods and concepts are formative for the history of religions as a discipline. Included will be scholars such as Eliade, van der Leeuw, Otto. *Three credit hours.*

*398
PATHS TO ENLIGHTENMENT
AND IMMORTALITY IN ASIAN
RELIGIONS
MS. SOIFER

A study of the understandings of enlightenment, liberation, and immortality, and their means of attainment in the religious traditions of Hinduism, Buddhism, Tantrism, and Taoism. *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

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.*

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.
Prerequisite: Russian 122 or two years of high school Russian and appropriate score on the placement test. *Four credit hours.*

*223, 224
RUSSIAN CULTURE AND
CIVILIZATION
MR. MILLER

An introduction to Russian civilization from its origins to the present day. Conducted in English; no knowledge of Russian required. *Three credit hours.*

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.
Prerequisite: Russian 124 or permission of the instructor. *Four credit hours.*

†[237] RUSSIAN LITERATURE IN TRANSLATION	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>
†[238] RUSSIAN LITERATURE IN TRANSLATION	Tolstoy through the Soviet period. Representative works of Tolstoy, Chekhov, Bely Mayakovsky, Sholokhov, Pasternak, and Solzhenitsyn. <i>Three credit hours.</i>
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>

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

[112] INTERACTION PROCESS ANALYSIS	Theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concepts, theory, and observation of the group. Enrollment limited. <i>Prerequisite:</i> Freshman standing, no previous sociology, and permission of the instructor. <i>Three credit hours.</i>
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. <i>Three credit hours.</i>

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 de-
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partment rule, dropping or adding any short course must be done *prior* to the second meeting of the class. Short courses for the fall of 1980 are: (A) "The 1920's: Dim Echoes of the Roaring Twenties"; (B) "The 1930's: The Depression, a Time for Remembrance". Short courses for the spring of 1981 are: (A) "The 1950's: The Placid Decade"; (B) "The 1960's: The Age of Confrontation."

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

231
CONTEMPORARY SOCIAL ISSUES
INSTRUCTOR

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
MR. GEIB

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

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.*

252d1
RACE AND MINORITIES
MR. GRESSON

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

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

*253
URBAN SOCIOLOGY
INSTRUCTOR

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	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. <i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i>
273d2 THE FAMILY MS. ROSE	A historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i>
†[274] SOCIAL STRATIFICATION	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. <i>Prerequisite:</i> Sociology 121 or permission of the instructor. <i>Three credit hours.</i>
311 HISTORY OF SOCIOLOGICAL THEORY INSTRUCTOR	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	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 MR. DOEL	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 MR. MORRIONE	An analysis of the contemporary state of sociology as a discipline. Special attention given to critical theory, phenomenology, ethno methodology, symbolic interactionism, and existential sociology.

Prerequisite: Sociology 121, 122 and permission of the instructor.
Three credit hours.

†[334] SOCIAL DEVIANCE	<p>Definitions of deviance and theories of explanation and analysis of deviant behavior. Readings and discussions will emphasize the history and development of contemporary perspectives.</p> <p><i>Prerequisite:</i> Sociology 121 and permission of the instructor. <i>Three credit hours.</i></p>
[338] NORMATIVE SOCIAL THEORY	<p>Normative social theory, with special emphasis upon such works as Plato's <i>Republic</i>, Bellamy's <i>Looking Backward</i>, More's <i>Utopia</i>, and Skinner's <i>Walden Two</i>.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
361d2, [362] CULTURAL ANTHROPOLOGY INSTRUCTOR	<p>Introductory anthropology, with special emphasis on the implications of the social and cultural experiences of primitive people for modern society.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
†[371, 372] PRACTICUM IN SOCIOLOGICAL RESEARCH	<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).</p> <p><i>Prerequisite:</i> Sociology 271 and permission of the instructor. <i>Three or four credit hours.</i></p>
†[391] SOCIAL CHANGE	<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.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
[393] COMPLEX SOCIAL ORGANIZATIONS	<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.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
*394 COLLECTIVE BEHAVIOR MR. GEIB	<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, pro-</p>

paganda, communication and the major mass media, and their functions in modern society.

Prerequisite: Sociology 121, 122 or permission of the instructor. *Three credit hours.*

401, 402
SOCIOLOGY SEMINAR
MR. MORRIONE

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.

121, 122
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, 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.*

131d
CONVERSATION AND
COMPOSITION
FACULTY

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

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

141, 142
INTRODUCCIÓN AL MUNDO
HISPÁNICO
FACULTY

The Hispanic tradition reflected in the works of major figures of Spain and Latin America. Multisectioned.

Prerequisite: Spanish 124. *Three credit hours.*

32 ADVANCED SPANISH INSTRUCTOR	A review of Spanish grammar at the advanced level, with directed themes and free composition. <i>Prerequisite:</i> Spanish 131, 141, or appropriate CEEB score. <i>Four credit hours.</i>
355 NINETEENTH-CENTURY SPANISH LITERATURE INSTRUCTOR	Representative works of romanticism and realism. <i>Four credit hours.</i>
†[256] THE GENERATION OF 1898	The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. <i>Four credit hours.</i>
*257d2 MODERN SPANISH LITERATURE MR. CAUZ	The literature of twentieth-century Spain through Federico García Lorca. <i>Four credit hours.</i>
†[258] THE CONTEMPORARY SPANISH NOVEL	The Spanish novel after the Spanish Civil War. <i>Four credit hours.</i>
†[261], 262d1 LATIN-AMERICAN LITERATURE MR. HOLLAND	First semester: Latin-American literature from the colonial period through the nineteenth century. Second semester: literature from the Modernistas through Rómulo Gallegos. <i>Three or four credit hours.</i>
332 CONTEMPORARY LATIN- AMERICAN LITERATURE MR. HOLLAND	Authors to be studied will include Carlos Fuentes, García Márquez, and Vargas Llosa. <i>Four credit hours.</i>
†[337] MEDIÉVAL SPANISH LITERATURE	Medieval Spanish classics: <i>El Cid</i> , <i>El libro de buen amor</i> , <i>La Celestina</i> , and <i>El romancero</i> . <i>Three or four credit hours.</i>
*351 EL SIGLO DE ORO MR. CAUZ	The Spanish classical theater, the picaresque novel, and selected works of Cervantes. <i>Four credit hours.</i>
352 DON QUIJOTE MS. DOEL	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>

<p>[493, 494] SEMINAR IN SPANISH AND LATIN-AMERICAN LITERATURE</p>	<p>Topics, which change each semester, may cover an author, a genre, or a literary movement. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
<p>499d LANGUAGE TEACHING FACULTY</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Flexible credit. <i>One or two credit hours.</i></p>

Student-Taught Courses

<p>-99d STUDENT-TAUGHT COURSES</p>	<p>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></p>
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Western Civilization

<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual study of special problems in Western civilization 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 three credit hours.</i></p>
<p>493, 494 SEMINAR IN WESTERN CIVILIZATION FACULTY</p>	<p>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 <i>Three credit hours.</i></p>
<p>WESTERN CIVILIZATION MAJOR</p>	<p>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.).</p>

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 computer system of Interactive Guidance and Information, designed by the Educational Testing Service in Princeton, New Jersey. This three- to six-hour computer program provides skills testing, value determination, and thorough information about hundreds of professions.

The office provides a lifetime reference file service and information on summer jobs, internships, professional schools, and fellowships.

Through counseling, career workshops, systems for practical professional training, and an extensive library, the office of career planning is committed to the belief that a broad understanding of the professions and practical experience are essential in preparing for a vocation.

ARTS AND SCIENCES

Every year, Colby graduates enter many different graduate schools to work toward advanced degrees in art, music, history, classics, English, economics, modern languages, sociology, psychology, philosophy, or the natural sciences. Interested students should confer with the chairmen of their departments and their major advisers.

BUSINESS

Graduate programs in administrative science at such institutions as Harvard, Chicago, Cornell, the Wharton School of the University of Pennsylvania, and the Amos Tuck School at Dartmouth continue to attract many Colby graduates. Early in their college careers, interested students should seek counsel from members of the department of administrative science. Seniors are urged to take the graduate management admission test.

EDUCATION

Three career paths in education are available to the graduate: (1) a secondary-school teaching position if certified; (2) an education-related nonteaching position in government at the federal, state, or local level, or in the private sector in business, industry, human services, or the

helping professions; (3) graduate study to obtain a certificate in teaching, special education, guidance, library, or administration. Career guidance and counseling are available from Professor Jacobson, director of the office of education, 112 Lovejoy.

ENGINEERING

Colby College, the University of Rochester, and Case Western Reserve University are affiliated in joint programs whereby a student may acquire an education in the liberal arts and also in engineering in a five-year period, with three years spent at Colby and two at either Rochester or Case Western Reserve. On successful completion of the program, the student may be awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from the chosen university.

While at Colby, the engineering student must attain mastery of the necessary mathematics and science to support him in the intensive study of engineering that will follow. In his Colby program, however, he is assured a broad grounding in the humanities and social sciences as well.

Students graduating in this program are exempt from Colby's usual requirement of residence during the senior year, but all other graduation requirements must be met.

The chairman of the physics department serves as adviser to students intending to enter the joint program. He should be consulted early in a student's Colby career to plan for meeting university requirements.

Another option for the student who wants ultimately to be an engineer but also wants a liberal arts college education is a regular physics or chemistry major at Colby, followed by engineering studies in a graduate school. Members of those departments are prepared to advise students who make this choice.

LAW AND GOVERNMENT SERVICE

The committee on professional preparation for law and government service advises students preparing for careers in these areas. The pre-law student may major in any field. Students will profit from early consultation with members of the committee as to which courses would provide the strongest possible liberal arts background for the study of law. The law-school admission test is given at the college each year.

MEDICINE AND DENTISTRY

Medical schools do not require a particular major but do require high standing and the inclusion of biology, chemistry, physics, mathematics, English, and foreign languages in the student's college program. It is strongly advised that mathematics be pursued at least through the first year of calculus. Organic and general chemistry are required.

The medical-college admission test is ordinarily taken in the spring of the student's junior year.

Although some dental schools admit applicants after three years, and sometimes after only two years, of college work, the leading schools prefer students with a college degree. Each applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which vary with different dental schools.

The dental-college admission test is ordinarily taken in the spring of the junior or fall of the senior year.

Each interested student should consult a member of the committee on professional preparation for medicine and dentistry early in his freshman year.

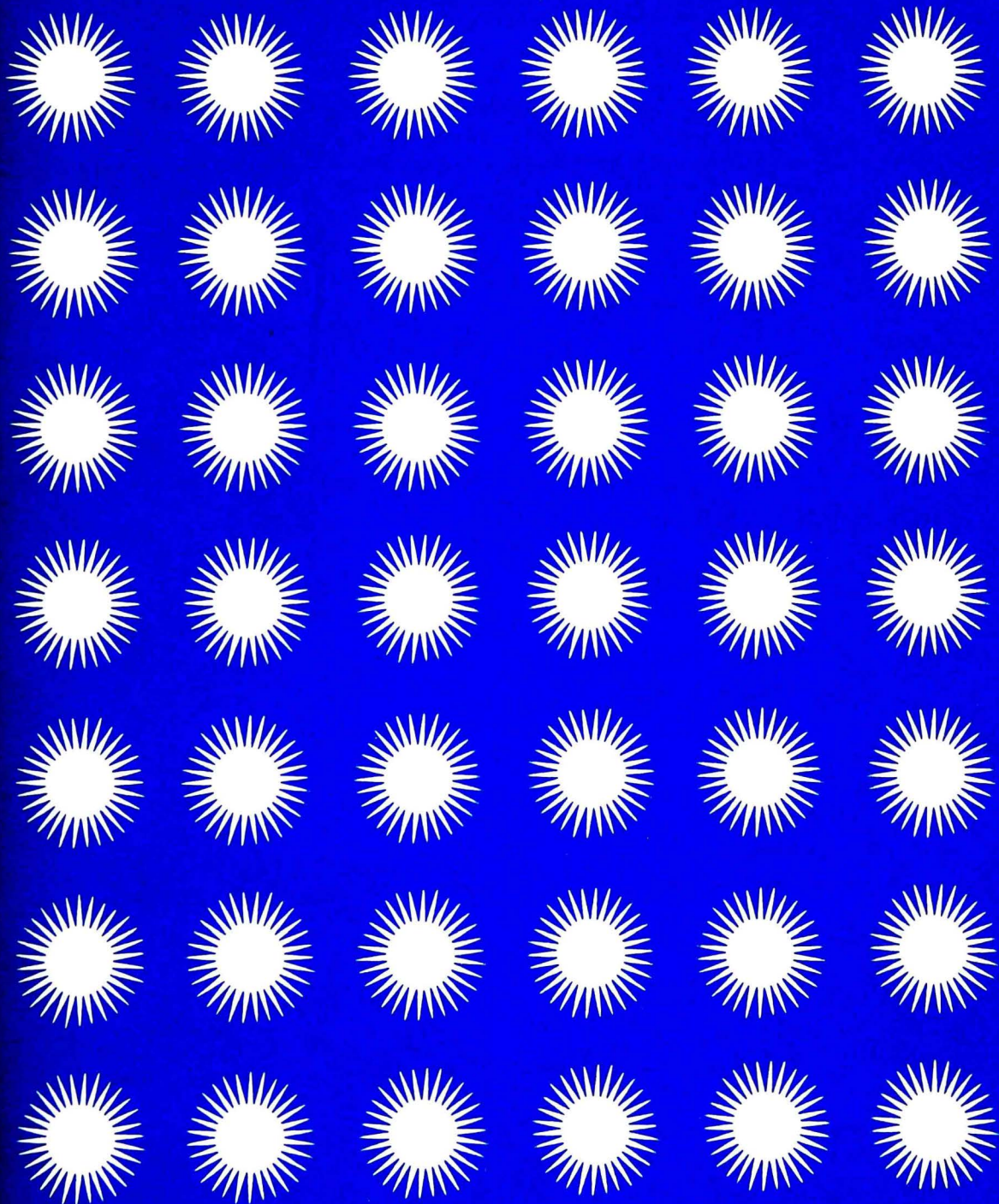
THEOLOGY

Colby has a long tradition of preparing graduates for the ministry. There are representatives of Colby alumni among the clergy of many denominations, and over the years a considerable number have done missionary work.

The theological preparation committee, in cooperation with the college chaplain, serves as adviser to students who plan to enter seminaries.

Students preparing for the ministry are assisted in attending seminary conferences by grants from the Clarence R. Johnson Conference Fund.

III Directories and Appendices



III DIRECTORIES AND APPENDICES

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The Corporation 1979-81

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 GERHARD JENSON, PH.D. ¹	<i>Vassalboro, Maine</i>
	<i>Administrative Vice-President</i>	ROBERT WHITE PULLEN, PH.D.	<i>Waterville, Maine</i>
	<i>Vice-President for Development</i>	SIDNEY WEYMOUTH FARR, M.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.	<i>Vassalboro, Maine</i>

¹Appointed president of Thomas College, Waterville, Maine, effective September 1, 1980.

BOARD OF TRUSTEES	(1981)	ROBERT NEWTON ANTHONY, D.C.S., L.H.D., Waterville Valley, New Hampshire, <i>Ross Graham Walker Professor of Management Control, Harvard Business School</i>
	(AL. 1981)	CHARLES PUTNAM BARNES II, LL.B., Cape Elizabeth, Maine, <i>Attorney, Perkins, Thompson, Hinckley and Keddy</i>
	(AL. 1982)	SUSAN FAIRCHILD BEAN (MRS. ROBERT), A.B., M.A., Glastonbury, Connecticut
		JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L., LITT.D., SC.D. ¹⁻³ , Jaffrey, New Hampshire, <i>President Emeritus, Colby College</i>
	(1981)	H. RIDGELY BULLOCK, JR., J.D., Greenwich, Connecticut, <i>Chairman of the Board and President, UMC Industries, Incorporated</i>
	(1982)	JOHN LAWRENCE BURNS, M.S., SC.D., Greenwich, Connecticut, <i>President, John L. Burns and Company</i>
	(1981)	ALIDA MILLIKEN CAMP (MRS. FREDERIC E.), B.A., L.H.D., East Blue Hill, Maine, <i>Vice-President, National Multiple Sclerosis Society</i>
	(1980)	CLARK HOPKINS CARTER, B.A., L.H.D., Wilton, Connecticut, <i>Corporate Vice-President, Richardson-Merrell, Incorporated</i>
	(1981)	H. KING CUMMINGS, B.S., M.A., Guilford, Maine, <i>Chairman of the Board, Guilford Industries</i>
	(AL. 1981)	JOHN WILLIAM DEERING, B.A., M.A., Portland, Maine, <i>Partner, Barker Deering Associates</i>
	(1981)	NISSIE GROSSMAN, M.B.A., Wellesley, Massachusetts, <i>Chairman of the Board, Grossman's</i>
	(1981)	WALLACE MEREDITH HASELTON, M.A., Augusta, Maine, <i>Chairman of the Board and President, Depositors Corporation</i>

- (AL. 1981) BERTRAND WILLIAMS HAYWARD, B.S., LL.D., Waterville, Maine, *President Emeritus, Philadelphia College of Textiles and Science*
- (1983) KEVIN HILL, M.D., Waterville, Maine, *Ophthalmologist*
ELLERTON MARCEL JETTÉ, LL.D.^{1,2}, 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*
- (1981) C. DAVID O'BRIEN, B.A., M.A., Yarmouth, Maine, *Partner, H. M. Payson and Company*
- (1981) PAUL DONNELLY PAGANUCCI, J.D., Hanover, New Hampshire, *Vice-President, Dartmouth College*
- (1983) ALBERT CARLTON PALMER, B.A., LL.D.², Stoneham, Massachusetts, *Vice-President Retired, New England Telephone*
- (1981) 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.¹, 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.^{1,3}, Waterville, Maine, *President Emeritus, Colby College*
- (1984) ANNE O'HANIAN SZOSTAK (MRS. MICHAEL), B.A., M.A.⁴, Providence, Rhode Island, *Vice-President, Industrial National Bank*
- (1981) SIGRID EMMA TOMPKINS, LL.B., Portland, Maine, *Attorney, Pierce, Atwood, Scribner, Allen, Smith and Lancaster*

- (AL. 1980) PETER AUSTIN VLACHOS, B.A., M.A., New York, New York, *President, Dreyfus Leverage Fund, Incorporated*
- (1981) THOMAS JOHN WATSON III, A.B., LL.B., Norwich, Vermont, *Attorney*
- (1983) RALPH SAMUEL WILLIAMS, M.B.A., L.H.D., Southport, Maine, *Administrative Vice-President Retired, Colby College*
- FACULTY REPRESENTATIVES (1982) CHARLES WALKER BASSETT, PH.D., Waterville, Maine, *Professor of English*
- (1981) LUCILLE PINETTE ZUKOWSKI, M.A., Waterville, Maine, *Professor of Mathematics*
- STUDENT REPRESENTATIVES (1980) BARBARA ANN NEAL '80, Norwalk, Connecticut
- (1980) JOHN EDWARD VEILLEUX '80, Waterville, Maine
- (1981) JOEL EDWARD CUTLER '81, Newton, Massachusetts
- (1981) LISA ANN HALLEE '81, Waterville, Maine

¹Honorary life member.

²Former chairman of the board.

³Former president.

⁴Served as alumni trustee 1974-80.

-
- FELLOWS AND OVERSEERS (1984) RICHARD LLOYD ABEDON, *Chairman, Richard L. Abedon Company, Visiting Committee on Economics and Administrative Science*
- (1984) HAROLD ALFOND, *Chairman of the Board, Dexter Shoe Company, Visiting Committee on Physical Education and Athletics*
- (1984) LEIGH BUCHANAN BANGS, *Research Leader, Dow Chemical Company, Visiting Committee on Chemistry*
- (1984) CLIFFORD ALLAN BEAN¹, *Management Consultant, Arthur D. Little, Incorporated, Visiting Committee on Economics and Administrative Science*
- (1984) PATRICIA DOWNS BERGER, *Physician, Visiting Committee on Biology*
- (1984) ANNE LAWRENCE BONDY, *President, Board of Cooperative Educational Services, Southern Westchester, Visiting Committee on English*
- (1984) JENNIE DAVIS BROWN, *Director, Essex County (New Jersey) Division of Correctional Services, Visiting Committee in the Social Sciences*
- RALPH JOHNSON BUNCHE, JR., *Vice-President, Morgan Guaranty Trust, London Branch, Honorary Chairman, Ralph J. Bunche Scholarship Program*
- (1984) CLARK HOPKINS CARTER, *Vice-President, Richardson-Merrell Incorporated, Trustee Committee on Budget and Finance*
- JOHN ROBERT CORNELL¹, *Attorney, Drummond, Woodsum, Plimpton and MacMahon*

- (1984) AUGUSTINE ANTHONY D'AMICO¹, *President, retired, Penobscot Paint Company*, Trustee Committee on Buildings and Grounds
- (1984) EDITH EILENE EMERY¹, *Associate Dean of Students, retired, Northeastern University*, Visiting Committee on Student Affairs
- (1984) JOHN W. FIELD, SR., *Former Chairman of the Board of Warnaco*, Visiting Committee on Economics and Administrative Science
- (1984) WARREN JOHN FINEGAN, *Investment Broker, First Commodity Corporation*, Trustee Committee on Development
- (1984) GERALD JAY HOLTZ¹, *CPA, Arthur Anderson and Company*, Trustee Committee on Planning
- (1984) PHILIP WILLIAM HUSSEY, JR., *President, Hussey Manufacturing Company*
Visiting Committee on Economics and Administrative Science
- RONALD DAVIS JEANCON¹, *President, Colby Parents Association*
- EDITH KEMPER JETTÉ, *Cofounder, The Friends of Art at Colby*, Visiting Committee on Art
- DAVID MARSON¹, *President, New Can Company*
- JOHN H. MCGOWAN, *Former President, Wyandotte Industries*, Trustee Committee on Buildings and Grounds
- (1984) KERSHAW POWELL, *Dentist*, Visiting Committee on Biology
- (1984) LAWRENCE REYNOLDS PUGH, *President, VF Corporation*, Trustee Committee on Nominations
- (1984) JOHN FRANKLIN REYNOLDS¹, *Chief of Surgery, Mid-Maine Medical Center*, Trustee Committee on Student Affairs
- (1984) FREDERICK ALFRED SCHREIBER, *Management Consultant*, Visiting Committee in the Social Sciences
- (1984) SYLVIA CARON SULLIVAN, Trustee Committee on Student Affairs
- (1984) BARBARA HOWARD TRAISTER, *Associate Professor of English, Lehigh University*, Visiting Committee on English
- (1984) ELMER CHAPMAN WARREN¹, *Director of Planning Services, retired, National Life Insurance Company*, Trustee Committee on Buildings and Grounds
- (1984) ESTHER ZISKIND WELTMAN, *Trustee, Jacob Ziskind Trust for Charitable Purposes*, Trustee Committee on Educational Policy
- CHARLES PENROSE WILLIAMSON, JR.¹, *Director of Development, Hurricane Island Outward Bound School*

¹Fellow 1979-80.

Faculty 1979-81

WILLIAM R. COTTER, J.D., 1979-
President

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

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

ERMANNIO 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.S.C.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
- WENDELL AUGUSTUS RAY, PH.D., 1938-76
Professor of Chemistry, Emeritus
- EVANS BURTON REID, PH.D., 1954-78
Merrill Professor of Chemistry, Emeritus
- NINETTA MAY RUNNALS, M.A., LITT.D.¹, 1920-49
Professor of Education, Emeritus; Dean, 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
- EVERETT FISK STRONG, B.A., M.A.², 1922-62
Professor of Modern Languages, 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

¹Died June 1, 1980.

²Died January 3, 1980.

FACULTY

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

FRANK ANTHONY ABETTI, PH.D. (Duke, Yale), 1979-
Assistant Professor of Modern Languages (French)

DONALD BRUCE ALLEN, PH.D.⁸ (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.¹ (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

CAROL HOFFER BASSETT, M.A.^{4,10} (South Dakota), 1974-
Instructor in Mathematics

CHARLES WALKER BASSETT, PH.D.¹² (South Dakota, Kansas), 1969-
Professor of English

STEVEN ALBERT BAUER, M.F.A.^{4,10} (Trinity, Massachusetts), 1979-
Lecturer in English

RICHARD ROY BEEMAN, PH.D. (California at Berkeley, William and Mary, Chicago), 1979-80
Visiting Professor of History

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

RICHARD QUENTIN BELL, JR., B.S. (Delaware), 1978-
Adjunct Instructor in Physical Education

ROBERT MARK BENBOW, PH.D. (University of Washington, Yale), 1950-
Roberts Professor of English Literature

MIRIAM FRANCES BENNETT, PH.D.³ (Carleton, Mount Holyoke, Northwestern), 1973-

Dana Professor of Biology 1973-80; William R. Kenan, Jr., Professor of Biology 1980-

JOEL CHARLES BERNARD, M.A., M. PHIL. (Cornell, Yale), 1980-
Assistant Professor of History

CLIFFORD JOSEPH BERSCHNEIDER, M.A.⁹ (Duquesne, Pittsburgh), 1949-
Professor of History

ANNIE CHRISTIANE BERTRAND-GUY, PH.D. (Sorbonne, Indiana), 1979-
Assistant Professor of Modern Languages (French)

KINGSLEY HARLOW BIRGE, PH.D.¹⁵ (Dartmouth, Yale), 1946-80
Professor of Sociology

RITA PHYLLIS BOUCHARD, M.A. (Maine, Boston University), 1978-
Faculty Member without Rank: Reference Librarian

ROGER WILSON BOWEN, PH.D. (Wabash, Michigan, British Columbia),
1978-
Assistant Professor of Government

PATRICK BRANCACCIO, PH.D.⁶ (Brooklyn College, Ohio State, Rutgers),
1963-
Professor of English

PATRICIA BRANSTEAD, M.F.A. (San Francisco Art Institute), January
1980
Artist-in-Residence

DAVID GORDON BRIDGMAN, PH.D.¹⁴ (Yale, Wisconsin, Harvard), 1955-
Associate Professor of History

JONATHAN BRIGGS, PH.D.¹ (Dartmouth, Harvard), 1974-80
Assistant Professor of Physics

JULIA MAIRIN BUDENZ, M.A. (New Rochelle, Catholic University
of America, Harvard), 1980-
Taylor Lecturer in Classics

JEAN D. BUNDY, PH.D.⁸ (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

JAMES MORTON CARPENTER, PH.D. (Harvard), 1950-
Jetté Professor of Art

HARRY ROWLAND CARROLL, M.A. (New Hampshire), 1964-
Associate Professor; Dean of Admissions

FRANCISCO ANTONIO CAUZ, PH.D. (Villanova, Middlebury, Rutgers), 1957-

Professor of Modern Languages (Spanish)

ARTHUR KINGSLEY CHAMPLIN, PH.D.^{2.6} (Williams, Rochester), 1971-
Associate Professor of Biology

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

ROBERT EDWARD CHRISTIANSEN, M.A.⁷ (Wayne State), February 1979-
Instructor in Economics

J. FRASER COCKS III, PH.D. (Occidental, Michigan), 1975-
Faculty Member without Rank: Special Collections Librarian

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

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

CHRISTOPHER H. DADIAN, M.A. (Brandeis, Johns Hopkins), 1978-80
Taylor Lecturer in Classics

MACEO CRENSHAW DAILEY, M.S.⁴ (Towson, Morgan), February 1980-
June 1980
Lecturer in Black History

DOUGLAS VELZSON DAVIDSON, M.S.⁴ (Tougaloo, Illinois Institute of
Technology), February 1980-December 1980
Lecturer in American Studies

NINA COX DAVIS, M.A. (Wisconsin, Johns Hopkins), 1979-
Instructor in Modern Languages (Spanish)

WILLIAM STUART DEBENHAM, JR., M.L.S. (Pittsburgh), March 1977-
Faculty Member without Rank: Director of Miller Library

GENE BARTHOLOMEW DELORENZO, B.A.¹² (Colby), 1977-
Adjunct Assistant Professor of Physical Education

PRISCILLA ALLEN DOEL, M.A.⁸ (Colby Junior, New York University),
1965-
Associate Professor of Modern Languages (Portuguese and Spanish)

ROBERT GEORGE DOEL, M.A.⁸ (Heidelberg, Kent State), 1965-
Assistant Professor of Sociology

MARTIN DONOVAN DOOLEY, PH.D.^{1,7} (Indiana, Wisconsin), 1976-
Assistant Professor of Economics

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

BENJAMIN ABRAHAM ELMAN, B.A. (Hamilton), 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.⁶ (Colby, Maine), 1970-
Associate Professor; Vice-President for Development

LEE NATHAN FEIGON, PH.D.⁷ (California at Berkeley, Chicago,
Wisconsin), 1976-
Assistant Professor of History

CHARLES ANTHONY FERGUSON, PH.D. (Oberlin, Ohio State), 1967-
Associate Professor of Modern Languages (French)

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

DAVID H. FIRMAGE, PH.D. (Brigham Young, Montana), February
1975-
Assistant Professor of Biology

MARCEL FLAMM, M.A.¹⁰ (Columbia, San Francisco State), September
1980-January 1981
Lecturer in Mathematics

BRUCE EDWARD FOWLES, PH.D. (Brown, California at Berkeley), 1967-
Associate Professor of Biology

ALAIN DAVID FRESCO, PH.D. (Delaware, Indiana), 1980-
Assistant Professor of Modern Languages (French)

GERMAINE LOUIS FULLER, M.A. (Reed, Oregon), 1978-80
Ziskind Lecturer in East Asian Art

PETER GARRETT, PH.D.⁴ (Leicester [U.K.], Johns Hopkins), 1979-80
Lecturer in Geology

ROBERT SCOTT GASSLER, M.S., M.A. (Oberlin, Columbia, Washington), 1979-80
Instructor in Economics

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

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

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

KEMP FREDERICK GILLUM, PH.D. (Illinois, Wisconsin), 1948-
Professor of History

MIRIAM SAHATDJIAN GOGOL, M.A., M.PHIL. (City College of New York, Columbia), October 1979-January 1980
Lecturer in English

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

MICHEL GOULET, M.ED.¹² (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)

AARON DAVID GRESSON, PH.D.^{4,10} (Waterloo, Toronto, Pennsylvania State), February 1980-June 1980, September 1980-January 1981
Lecturer in Human Development

JOHN BRENNAN HAGENS, PH.D.¹ (Occidental, Cornell), 1975-80
Assistant Professor of Economics

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

NATALIE BETH HARRIS, PH.D. (Indiana), 1978-80
Assistant Professor of English

PETER BROMWELL HARRIS, PH.D.⁷ (Middlebury, Indiana), 1974-
Assistant Professor of English

CHARLES STEWART HAUSS, PH.D. (Oberlin, Michigan), 1975-
Assistant Professor of Government

HOMER T. HAYSLETT, JR., PH.D.⁹ (Bridgewater, Virginia Polytechnic, Dartmouth), 1962-

Associate Professor of Mathematics

ADEL VERNA HEINRICH, A.MUS.D.³ (Flora Stone Mather, Union Theological, Wisconsin), 1964-

Associate Professor of Music

JAN STAFFORD HOGENDORN, PH.D.³ (Wesleyan, London School of Economics), 1963-

The Grossman Professor of Economics

HENRY HOLLAND, PH.D. (Maine, Harvard, Madrid), 1952-

Professor of Modern Languages (Spanish)

CAROL R. HOUDE, M.A. (Colby, Connecticut), 1979-80

Instructor in Psychology; Clinical Psychologist

YEAGER HUDSON, PH.D. (Millsaps, Boston University), 1959-

Professor of Philosophy

TALBOTT WISTAR HUEY, PH.D.¹⁰ (Yale, Johns Hopkins, Massachusetts Institute of Technology), 1980-

Lecturer in Government

TIMOTHY ARTHUR HUNT, PH.D. (Cornell), 1980-

Assistant Professor of English

JANE HARLOW HUNTER, M.A., M.PHIL. (Yale), 1980-

Assistant Professor of History

HAROLD ALVIN JACOBSON, ED.D. (Bowling Green, Harvard), 1968-

Professor of Education

EDWARD STANLEY JAYNE, PH.D. (California at Berkeley, S.U.N.Y. at Buffalo), February 1980-June 1980

Lecturer in English

PAUL GERHARD JENSON, PH.D. (Luther, Minnesota), July 1971-August 1980

Professor of Psychology; Vice-President for Academic Affairs and Dean of Faculty

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

Associate Professor of History; Director of Division of Special Programs

BARBARA LYNN KASSEL, M.F.A.⁷ (Slade School of Fine Art, University College [London], Yale), 1978-

Assistant Professor of Art

CYNTHIA BAIRD KEATING, M.L.S. (Connecticut, Rhode Island), 1979-

Faculty Member without Rank: Reference Librarian

EDWIN JAMES KENNEY, JR., PH.D.² (Hamilton, Cornell), 1968-
Associate Professor of English

SUSAN MCILVAINE KENNEY, PH.D.^{4,10} (Northwestern, Cornell), 1968-
Assistant Professor of English

GEOFFREY WILLIAM KIRALIS, B.A. (Williams), 1980-
Instructor in Mathematics

YVONNE RICHMOND KNIGHT, M.B.A.⁶ (Colby, Cornell), 1958-
Professor of Administrative Science

DOROTHY MARIE KOONCE, PH.D.¹² (Cornell, Pennsylvania), 1963-
Professor of Classics

HOWARD LEE KOONCE, PH.D.¹² (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

CLAUDIA JOAN KRAEHLING, M.F.A. (Colby, Pennsylvania), 1980-
Instructor in Art

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.⁶ (City University of New York,
Connecticut), 1970-
Associate Professor of Psychology; Clinical Psychologist

ROBERT LEE LIVELY, JR., PH.D.⁴ (Indiana, Yale, Oxford), 1979-80
Lecturer in Philosophy and Religion

ADRIAN HSIANG-YUN LO, M.M.⁴ (Indiana, Smith), February 1980-
June 1980
Lecturer in Music

THOMAS RICHMOND WILLIS LONGSTAFF, PH.D.⁶ (Maine, Bangor
Theological, Columbia), 1969-
Associate Professor of Philosophy and Religion; Chaplain

ROBERT GUST LUOMA, D.M.A. (Oregon, Stanford), 1979-80
Assistant Professor of Music

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

PAUL STUART MACHLIN, PH.D.¹ (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. (Cornell College, Iowa State), 1965-
Associate Professor of Chemistry

LOUIS SANDY MAISEL II, PH.D.⁶ (Harvard, Columbia), 1971-
Associate Professor of Government

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

DONALD HARLOW MARDEN, J.D.^{4,10} (Maine, Cornell, Boston University), February 1979-June 1979, February 1980-June 1980
Lecturer in Administrative Science

HARRIETT MATTHEWS, M.F.A.⁷ (Sullins Junior, Georgia), 1966-
Associate Professor of Art

ALBERT ANTHONY MAVRINAC, PH.D.³ (Pittsburgh, Harvard), 1958-
Dana Professor of Government

MARILYN SWEENEY MAVRINAC, M.A.^{4,10} (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

DEBORAH E. MCDOWELL, PH.D.¹² (Tuskegee, Purdue), 1979-
Assistant Professor of English

RICHARD JOHN MCGEE, B.S. in ED.⁸ (Maine), 1967-
Assistant Professor of Physical Education

PHILIP MCGOUGH, M.B.A., PH.D. (Boston College, California at Berkeley), 1980-
Assistant Professor of Administrative Science

BERNARD DANIEL McGRANE, PH.D. (Fairfield, New York University), 1980-
Assistant Professor of Sociology

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

JAMES WILLIAM MEEHAN, JR., PH.D.³ (Saint Vincent, Boston College), 1973-
Associate Professor of Economics

KUANG MEI, PH.D. (Tung-hai [Taiwan], National Taiwan University, Harvard), September 1979-December 1979
Asian Fulbright Scholar-in-Residence

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.^{4,10} (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.⁸ (Massachusetts, Michigan), 1973-
Adjunct Assistant Professor of Dance

JOHN MIZNER, PH.D.¹² (Antioch, Pennsylvania), 1963-
Professor of English

THOMAS JACK MORRIONE, PH.D.⁶ (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

BARBARA KUCZUN NELSON, M.A.^{4,10} (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

JOHN MITCHELL NICKERSON, PH.D.⁴ (Maine, Washington State, Idaho), September 1979-January 1980
Lecturer in Government

DAVID PAUL O'BRIEN, PH.D. (Boston University, Temple), 1980-
Assistant Professor of Psychology

PATRICIA ARNOLD ONION, PH.D.^{5,10} (Connecticut College, Harvard), 1974-

Lecturer in English

FRANCES M. PARKER, M.S.L.S. (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

RICHARD BURBANK PARKER, PH.D.^{5,11} (Massachusetts Institute of Technology, Boston College), 1976-

Lecturer in Economics

MARILYN BYFIELD PAUL, M.B.A. (Barnard, Cornell), 1979-

Instructor in Administrative Science

HAROLD PAYSON III, PH.D. (Harvard, Fletcher School of Law and Diplomacy), 1979-

Assistant Professor of Economics

PAUL POWERS PEREZ, PH.D.¹ (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)

ELIZABETH ELLEN PESTANA, M.S.⁴ (Wisconsin), 1961-62, 1965-71,
September 1979-January 1980

Assistant Professor of Education

HAROLD RICHARD PESTANA, PH.D. (California, Iowa), 1959-
Associate Professor of Geology

SIMONE RASOARILALAO PIGNARD, PH.D. (University of Paris III),
January 1980

Lecturer in Regional Studies

GONZALO PLASENCIA, PH.D. (St. John's [N.Y.], Brooklyn, City
University of New York), 1977-80

Assistant Professor of Modern Languages (Spanish)

DEBORAH ANN PLUCK, B.S. (Slippery Rock), 1979-
Adjunct Instructor in Physical Education

ROBERT WHITE PULLEN, PH.D. (Colby, Massachusetts Institute of
Technology), 1945-

Professor of Economics; Administrative Vice-President

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.^{4,10} (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. (Tufts, Virginia), 1978-
Assistant Professor of Modern Languages (German)

WILFRED EMERY RICHARD, M.A.⁴ (New Hampshire, Indiana,
Massachusetts), February 1980-June 1980
Lecturer in American Studies

LAURENCE DALE RICHARDS, M.B.A., PH.D. (Maine, West Florida,
Mississippi State, Pennsylvania), 1980-
Assistant Professor of Administrative Science

BETTY DIX ROBINSON, M.A.⁴ (Colby, Maryland), 1979-80
Lecturer in Sociology and in Government

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

WARREN ARNOLD ROSEN, PH.D. (Temple), February 1979-June 1980
Assistant Professor of Physics

JONAS OETTINGER ROSENTHAL, M.A.⁷ (Swarthmore, North Carolina),
1957-
Associate Professor of Sociology

DIANNE FALLON SADOFF, PH.D. (Oregon, Rochester), 1980-
Assistant Professor of English

IRA SADOFF, M.F.A. (Cornell, Oregon), 1977-
Assistant Professor of English

LOWELL DEAN SAMUEL, JR., M.B.A.⁷ (DePauw, Washington
[Missouri]), 1975-
Assistant Professor of Administrative Science

JEAN MARIE SANBORN, PH.D.^{4,11} (Mount Holyoke, Harvard, Union for
Experimenting Colleges and Universities), 1976-
Lecturer in English

RONALD FRED SCHWARTZ, M.B.A. (Chicago), 1979-80
Instructor in Administrative Science

RICHARD CRITTENDEN SEWELL, M.A., 1974-
Lecturer in English; Director of Powder and Wig

THOMAS WAYNE SHATTUCK, PH.D. (Lake Forest, California at Berkeley), 1976-
Assistant Professor of Chemistry

ANNETTE SHAW, PH.D. (Queens, City University of New York), 1978-80
Assistant Professor of Modern Languages (French)

MICHAEL LEWIS SHERARD, PH.D.¹ (Cornell), 1975-80
Assistant Professor of East Asian Languages and Linguistics

DIANE CAROL SKOWBO, PH.D. (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.⁶ (Maine), 1970-
Associate Professor; Dean of Students

WAYNE LEE SMITH, PH.D. (Hartwick, Pennsylvania State), 1967-
Associate Professor of Chemistry

CHUNG SO, M.A. (International Christian University [Tokyo], Princeton), 1978-
Assistant Professor of Modern Languages (East Asian)

DEBORAH ANNE SOIFER, PH.D. (George Washington, Chicago), 1979-
Assistant Professor of Religion

LEANNE H. STAR, M.A.⁴ (California at Berkeley, Chicago), 1978-
Lecturer in English

SARAH MEHLHOP STRONG, M.A.¹⁰ (Oberlin, Chicago), 1980-
Lecturer in Modern Foreign Languages (Japanese)

PATRICIA LYNN STUART, B.A.⁴ (Colby), February 1980-June 1980
Lecturer in Economics

JOHN HALE SUTHERLAND, PH.D.¹³ (Swarthmore, Pennsylvania), 1951-
Professor of English; Editor of Colby Library Quarterly

JOHN ROBERT SWENEY, PH.D.⁹ (Colorado College, Claremont, Wisconsin), 1967-
Associate Professor of English

RICHARD ALLEN TAYLOR, M.A. (Trenton State, Trinity), 1976-
Adjunct Assistant Professor of Physical Education

ROBERT LEE TERRY, PH.D. (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.¹ (DePauw, Boston University),
1956-
Professor of Philosophy and Religion

HENRY BABCOCK VEATCH, PH.D.⁴ (Harvard), September 1979-
January 1980
Visiting Professor of Philosophy

GAIL RUTH WALKER, PH.D. (Wells, Indiana), 1978-
Assistant Professor of Mathematics

ROBERT STEPHEN WEISBROT, M.A. (Brandeis, Harvard), 1980-
Instructor in History

JONATHAN MARK WEISS, PH.D.^{1,6} (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-
Instructor in Art

JAMES BENJAMIN WESCOTT, M.S. (Plymouth State, Indiana), 1978-
Adjunct Assistant Professor of Physical Education

DAVID SCOTT WESTERMAN, PH.D. (Allegheny, Lehigh), September
1980-January 1981
Assistant Professor of Geology

PETER WESTERVELT, PH.D. (Harvard), 1961-
Professor of Classics

RICHARD LATHAM WHITMORE, JR., M.ED. (Bowdoin, Maine), 1970-
Adjunct Assistant Professor of Physical Education

FLOYD CELAND WITHAM, M.A.⁸ (Colby, Stanford), 1954-
Associate Professor of Speech in the Department of English

STEPHEN RICHARD WOODY, M.F.A. (California State, Yale), 1976-
Assistant Professor; Technical Director for Performing Arts

EDWARD HARRY YETERIAN, PH.D. (Trinity, Connecticut), 1978-
Assistant Professor of Psychology

GLENN DORIN ZOHNER, PH.D.⁷ (Brigham Young, Massachusetts), 1963-66, 1969-

Associate Professor of Psychology

LUCILLE PINETTE ZUKOWSKI, M.A.⁸ (Colby, Syracuse), 1943-
Professor of Mathematics

WALTER HENRY ZUKOWSKI, PH.D. (CLARK), 1952-
Wadsworth Professor of Administrative Science

¹On leave full year 1979-80.

²On leave first semester 1979-80.

³On leave second semester 1979-80.

⁴Part-time 1979-80.

⁵Part-time second semester 1979-80.

⁶Promoted September 1979.

⁷On leave full year 1980-81.

⁸On leave first semester 1980-81.

⁹On leave second semester 1980-81.

¹⁰Part-time 1980-81.

¹¹Part-time second semester 1980-81.

¹²Promoted September 1980.

¹³On leave from teaching assignments 1980-81.

¹⁴On medical leave.

¹⁵Died July 17, 1980.

VISITING TUTORS
IN APPLIED MUSIC

NORMAN BALABAS

Concertmaster

JUDITH CORNELL, B.A. (California at Santa Barbara)

Voice

THOMAS HOFFMANN, M.M. (Syracuse)

Classical Guitar

ADRIAN LO, M.M. (Indiana, Smith)

Electronic Music; Director of Colby Band

JEAN ROSENBLUM, B.A. (Oberlin)

Flute

GILLIAN SHAFFER, L.R.A.M. (Royal Academy of Music [London])

Violin

WILLIAM WALLACE, B.M. (Oberlin)

Piano

COLLEGE COMMITTEES
1979-80

The president of the college, and in his absence the vice-president for academic affairs, shall be a member ex officio of all committees of the college. The first-named member of each committee is its chairman except where otherwise indicated. Names with numerals following in

parentheses are elected members; the numerals indicate the year of expiration of the term on the committee.

ADMINISTRATIVE President Cotter / Vice-Presidents Jenson, Pullen / Professors Hayslett ('80), Benbow ('81), Longstaff ('82) / Dean of Students Smith / Assistant to the President Dyer / Registrar Coleman, secretary, nonvoting / three students: Messrs. Fisher, Gluek, Medalie.

ADMISSIONS Vice-Presidents Jenson, Pullen / Professors A. Mavrinac ('80), Skowbo ('80), Dudley ('81), Armstrong ('82) / Dean of Students Smith / Dean of Admissions Carroll, nonvoting / four students: Meses. Griffin, Marshall, Messrs. Knipp, Lloyd / one nonvoting alumna: Ms. Guité.

ATHLETICS Professors Machemer ('80), McIntyre ('81), Maisel ('82) / Director of Athletics McGee / Assistant Director for Women's Athletics DeLorenzo / two students: Meses. Bunnell, French / one nonvoting alumna: Ms. Graves.

BOOKSTORE Professors J. Goulet ('80), Skowbo ('81), Plasencia ('82) / Bookstore Manager Fair / three students: Meses. Page, Plumb, Mr. Dailey.

EDUCATIONAL POLICY Vice-President Jenson / President Cotter / Professors Gemery, Koons, Rohrman ('80), J. Goulet ('80), Mannocchi ('80), P. Harris ('81), Samuel ('81), Fowles ('81) / two students appointed by the president: Meses. Brackett, Quintrell (semester one); Messrs. Bennett, Marcus (semester two) / three students selected by the Student Association: Ms. Pratt, Messrs. Otis, Silk (semester one); Ms. Pratt, Messrs. Curseaden, Silk (semester two) / without vote: Associate Dean of Students Gillespie; Director of the Library Debenham; Assistant Dean of Faculty Rose, secretary; alumni representative: Mrs. Abbott.

FINANCIAL AID Vice-President Pullen / Deans Carroll, Gillespie / Treasurer Broekhuizen / Director of Financial Aid Weaver / Professors Frank Parker ('80), Bennett ('81), Brancaccio ('82), D. Allen ('82) / four students: Ms. Haselton, Messrs. J. Brown, Mehnert, Simon / one nonvoting alumnus: Mr. Bither.

FINANCIAL PRIORITIES Vice-Presidents Pullen, Jenson / Professors Ferguson ('80), Raymond ('81), Dudley ('82) / three students: Ms. Carleton, Messrs. Higgins, Maley / one nonvoting alumnus: Mr. S. Levine.

FOREIGN STUDY AND STUDENT EXCHANGE PROGRAMS Professors Cauz, Champlin (on leave semester one), Firmage (semester one only), MacKay, Rosenthal, Shaw, So / Registrar Coleman / Assistant to the Dean of Faculty Kiralis / Dean of Admissions Carroll / Director of Financial Aid Weaver / four students: Meses. Fisher, Hsu, Messrs. Guiles, Marlitt.

- INDEPENDENT MAJOR BOARD Assistant Dean of Faculty Rose / Professors D. Allen ('81), Morrione ('81), McIntyre ('81), Mackenzie ('82), F. Miller ('82), H. Pestana ('82) / two students: Ms. Pniewski, Mr. Chadbourne.
- JANUARY PROGRAM Professors Shattuck ('80), Sweney ('81), M. Mavrinac ('82), Skowbo / Assistant to the Dean of Faculty Kiralis / three students: Messrs. Gordy, Nural, Weitzman.
- LIBRARY Professors Sadoff ('81), Fowles ('80), M. Mavrinac ('81), Metz ('82) / three students: Mses. Harper, Osgood, Mr. Currier.
- RIGHTS AND RULES (Chairman to be elected by the committee.) Professor Hauss ('80) / Mrs. Bassett / Director of Student Activities Chassé / Associate Dean of Students Seitzinger / five students: Mses. K. Smith, Swift, Messrs. Bourne, Fanger, Wolf.
- SENIOR SCHOLARS Professors Hudson ('81), Maier ('80), Armstrong ('82), W. Miller / one student: Mr. Fahey.

FACULTY COMMITTEES

1979-80

- ADVISORY COMMITTEE ON FACULTY PERSONNEL POLICIES Professors Holland, McArthur, W. Smith ('80), Hogendorn ('81), E. Kenney ('82) (on leave for year), Charles Bassett (replacing Kenney).
- ADVISORY COMMITTEE ON INVESTMENT RESPONSIBILITY Professors Tietenberg, Whitmore / Vice-President Pullen / two alumni representatives: L. T. Jolovitz, A. L. Bernier / two students: Ms. A. Jones, Mr. Beale.
- APPEALS BOARD¹ Professors P. Harris ('81), Witham ('80), Brancaccio ('82).
- GRADUATE SCHOLARSHIP Assistant Dean of Faculty Rose / Professors Charles Bassett, P. Harris, D. Reuman, Walker, W. Smith, Hauss, Mannocchi, Longstaff, Skowbo, Curran, Mackenzie, Bowen / Director of Career Planning Hickson.
- GRIEVANCE Professors Filosofo ('80), Birge ('81), Feigon ('82).
- HEARING COMMITTEE FOR DISMISSAL PROCEEDINGS (Chairman to be elected by the committee.) For terms ending in '80: Professors Charles Bassett, Knight, Bennett, Hayslett, Raymond; ending in '81: Brancaccio, Berschneider, Koons, P. Harris, Skowbo; ending in '82: E. Kenney (on leave for year), Yeterian, Dudley, L. Zukowski, R. Reuman.
- NOMINATING Professors Small, Gemery, Mizner, Dudley, Skowbo.
- PROMOTION AND TENURE Vice-President Jenson / Professors Sweney ('80), Hudson ('80), W. Smith ('80), Armstrong ('81), Maisel ('81), Hayslett ('81), Brancaccio ('82), R. Reuman ('82), H. Pestana ('82).

REMEMBRANCE Professors Gillespie, D. Reuman, Easton.

RESEARCH, TRAVEL, AND SABBATICAL LEAVES Vice-Presidents Jenson, Pullen / Professors Gemery, Mizner, Small.

STANDING Professors Knight, Bundy, Bennett / Vice-President Jenson / Registrar Coleman / Dean of Students Smith.

¹As described in Article v, "Student Judiciary," of *The Student Handbook*.

OTHER COMMITTEES

1979-80

ADVISORY COMMITTEE ON FOREIGN STUDENT ADMISSIONS Professors Holland, Easton, Feigon, Greenspan / Dean of Admissions Carroll / Registrar Coleman / three students: Messrs. Highland, Merrill, Rogers / nonvoting: Director of Financial Aid Weaver.

ADVISORY COMMITTEE ON SPECIAL COLLECTIONS (LIBRARY) Professors Curran, Kany, H. Pestana / Director of the Library Debenham / Special Collections Librarian Cocks.

ADVISORY COMMITTEE ON USE OF ANIMAL SUBJECTS IN RESEARCH Assistant Dean of Faculty Rose / Professors Bennett, Champlin, Rohrman, Yeterian / alumnus Orloff, D.V.M.

ADVISORY COMMITTEE ON USE OF HUMAN SUBJECTS IN RESEARCH Assistant Dean of Faculty Rose / Professors Easton, Lester, Maisel, Morrione, Rohrman, Skowbo.

AFFIRMATIVE ACTION Professors Mannocchi ('80), Bowen ('81), Walker ('81) / Assistant Dean of Faculty Rose ('80), administrator with faculty rank / Associate Director of Annual Giving Fitts ('80), administrator without faculty rank / Mr. Gordon ('80), Buildings and Grounds / Mrs. Bois ('80), support staff / representatives from food service and student body to be elected for ('81).

COMMITTEE TO FUND STUDENTS' SPECIAL PROJECTS Assistant Dean of Faculty Rose / Professors Maier, Skowbo, Sadoff / one student: Ms. Mikel.

COMPUTER Professors Maisel, Christiansen, Combellack, Firmage, Morrione, Shattuck / Vice-President Pullen / Assistant Dean of Faculty Rose / Director of the Library Debenham / Treasurer Broekhuizen / Director of Computer Services Allen.

GRANTS

Humanities Professors Mizner, Armstrong, Beeman, Brancaccio, Carpenter, Holland, R. Reuman, Westervelt / Vice-Presidents Jenson, Pullen.

Natural Sciences Professors Small, Bennett, Koons, Metz, Machemer, L. Zukowski / Vice-Presidents Jenson, Pullen.

Social Sciences Professors Gemery, Hogendorn, A. Mavrillac, Jacobson, Morrione, Rohrman, W. Zukowski / Vice-Presidents Jenson, Pullen.

PERFORMING ARTS Professors Witham, Woody, Mitchell-Wentzel, Ré / Mr. Sewell.

PROFESSIONAL PREPARATION

Law and Government Service Assistant Dean of Faculty Rose / Director of Career Planning Hickson / Professors P. Harris, Haus, Maisel, Metz, Tietenberg.

Medical and Dental Professors Maier, Bennett, Metz, Terry, Yeterian / Assistant Dean of Faculty Rose / Director of Career Planning Hickson.

REGIONAL STUDIES Professors Charles Bassett, Bennett, Brancaccio, Koons, W. Miller, Rosenthal, Tietenberg.

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Sidney Weymouth Farr, M.A.

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AND ANNUAL GIVING

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ASSOCIATE DIRECTOR OF ANNUAL GIVING

To be appointed

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DIRECTOR OF PLANNED GIVING

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TREASURER

Karl William Broekhuizen, M.B.A.

CONTROLLER/ASSISTANT TREASURER

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PERSONNEL OFFICER

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BUSINESS MANAGER

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Earl Harold Smith, B.A.

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TUTORING AND STUDY COUNSELOR

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ASSISTANT DEANS OF ADMISSIONS

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Patricia L. Hickson, M.A.

DIRECTOR OF THE DIVISION OF SPECIAL PROGRAMS

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Joan Sanzenbacher, B.A.

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DIRECTOR OF MILLER LIBRARY

William Stuart Debenham, Jr., M.L.S.

DIRECTOR OF PUBLICATIONS

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COLLEGE EDITOR

Nancy R. Crilly, A.B.

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATIONS OF STUDENTS' HOMES 1979-80

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
ALL AREAS	911	782	1693	Pennsylvania	21	16	37
				Puerto Rico	3	0	3
NEW ENGLAND	688	553	1241	Tennessee	1	1	2
Connecticut	78	69	147	Texas	1	5	6
Maine	157	136	293	Utah	2	0	2
Massachusetts	385	279	664	Virginia	6	10	16
New Hampshire	37	44	81	Virgin Islands	0	1	1
Rhode Island	24	16	40	Washington	1	0	1
Vermont	7	9	16	West Virginia	0	3	3
				Wisconsin	1	3	4
OUTSIDE NEW ENGLAND	194	220	414	FOREIGN COUNTRIES	29	9	38
Alaska	1	0	1	Belgium	1*	1*	2
California	6	10	16	Bolivia	0	1	1
Colorado	6	2	8	Brazil	0	1	1
Delaware	2	2	4	Canada	9*	0	9
District of Columbia	4	3	7	England	1*	2**	3
Florida	7	7	14	France	1*	0	1
Georgia	2	2	4	Ghana	4	0	4
Idaho	0	1	1	Hong Kong	1	0	1
Illinois	6	15	21	India	1	0	1
Indiana	1	2	3	Italy	1*	0	1
Kansas	0	3	3	Japan	2	2**	4
Kentucky	0	1	1	Kenya	1	0	1
Louisiana	1	0	1	Malawi	1	0	1
Maryland	10	8	18	Malaysia	2	0	2
Michigan	2	5	7	Mexico	2*	0	2
Minnesota	8	2	10	Turkey	1	0	1
Missouri	0	3	3	West Germany	1*	2**	3
Montana	1	1	2				
Nebraska	0	1	1				
New Jersey	30	36	66				
New Mexico	0	2	2				
New York	59	60	119				
North Carolina	1	1	2				
Ohio	10	12	22				
Oklahoma	0	2	2				
Oregon	1	0	1				

Each * denotes one American citizen.

Degrees and Honors

The degree of Bachelor of Arts with honors is awarded in three grades: *summa cum laude* to those who obtain a 3.75 grade point average; *magna cum laude* to those with a 3.50 grade point average; *cum laude* to those with a 3.25 grade point average.

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible, the student must have at least an average of 3.25 in the major. 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 27, 1979

BACHELOR OF ARTS

- Cheryl Lynn Adams, *Portland, Me.*
 Rebecca Jo Alex, *Covina, Calif.*
 David Watson Allen, *Glastonbury, Conn.*
 Dwight Leonard Allison III, *Wellesley, Mass.*
 Marc Jon Alperin, *Canoga Park, Calif.*
 Gayle Elizabeth Amato, *West Hartford, Conn.*
 David Beckwith Anderson, Jr., *Westford, Mass.*
 Ruth Elaine Anderson, *Potsdam, N. Y.*
 Elizabeth Logan Armstrong, *Darien, Conn.*
 Mary Anderson Arthur, *Englewood, Colo.*
 David Robert Ashcraft, *West Hartford, Conn.*
 James Donald Baer, *Philadelphia, Penn.*
 Cheri Lynn Bailey, *Albuquerque, N.M.*
 Elizabeth Anne Bailey, *Amesbury, Mass.*
 Philip Chappell Baker, *Falmouth, Me.*
 Alan Kirk Banks, *Hamilton, Mass.*
 Janice Ellen Barker, *Berlin, Conn.*
 Jocelyn Bartkevicius, *Milford, Conn.*
 Mary Grace Basler, *East Greenwich, R.I.*
 Charles Michael Begley, Jr., *Waldoboro, Me.*
 David Edward Bernier, *Waterville, Me.*
 Flore F. Blaise, *Queens, N. Y.*
 Christopher David Blass, *Warren, N.J.*
 Katherine Ann Bleakney, *Sudbury, Mass.*
 Louisa Merriam Bliss, *Dedham, Mass.*
 Nancy Martha Bodwell, *Manchester, N.H.*
 Gwendolyn Beatrys Boeke, *Flanders, N.J.*
 Corinna Louisa Boldi, *East Hartford, Conn.*
 Laurie Borden, *Marietta, Ga.*
 Constance Elaine Breese, *Southold, N. Y.*
 Russell Brown Brewer II, *Montclair, N.J.*
 Bruce Douglas Brown, *Phoenix, Ariz.*
 Elizabeth Cobb Bucklin, *New London, N.H.*
 Timothy Nicholson Buffum, Jr., *Barrington, R.I.*
 Mark Stephen Buotte, *Westbrook, Me.*
 Amy Jane Burdan, *Westwood, Mass.*
 Timothy Wayne Cameron, *Charlotte, N.C.*
 Rafael Mark Cardenas, *Boston, Mass.*
 Peter Chester Carey, *Waterford, Conn.*
 David R. Caruso, *Island Park, N. Y.*
 Mark Stefan Cecelski, *Springfield, Va.*
 Steven Anthony Celata, *Lynnfield, Mass.*
 Leslie Murray Chanler, *Rhinebeck, N. Y.*
 Andrew Braun Choate, *Auburn, Me.*
 Louis Francis Chong, *Ridgewood, N.J.*
 Katherine Louise Churchill, *Attleboro, Mass.*
 David Tharratt Clarendon, *Banner, Wyo.*
 Cynthia Terry Clark, *Glens Falls, N. Y.*
 Kathryn Mary Cofsky, *Norwood, Mass.*
 Patricia Collins, *Reading, Mass.*
 Glenn Taylor Connell, *Mahwah, N.J.*
 James Alexander Connolly, *Brooklyn, N. Y.*
 Calvin Charles Cooper, Jr., *Noroton Heights, Conn.*
 Janet Cordes, *Wantagh, N. Y.*
 Catherine Courtenaye, *La Mesa, Calif.*
 Marilyn Claire Courtney, *West Roxbury, Mass.*
 Stacey Jill Cox, *North Caldwell, N.J.*
 Eugene Peter Crawshaw, *Newburyport, Mass.*
 John Lawrence Crispin, *Norwell, Mass.*
 Barbara Jean Croft, *Natick, Mass.*
 Cathy Ellen Cushman, *Farmington, Me.*
 Louis Carmine Cutolo, Jr., *Brooklyn, N. Y.*
 Dwight Daniel Darrow, *East Haddam, Conn.*
 Amy Jane Davidoff, *Weston, Mass.*
 Sarah Holbrook Davis, *Osterville, Mass.*
 Janet Deering, *Falmouth, Me.*
 Peter Brooks Deering, *Riverside, Conn.*
 Marie F. DeVito, *Watertown, Mass.*
 Gary Albert Devoe, Jr., *Portland, Me.*
 Carol Ann Doherty, *Peabody, Mass.*
 Patricia Michele Donahue, *Taylors, S.C.*
 Michael Reynolds Donihue, *Winsted, Conn.*
 Daisy Lee Dore, *Auburn, Me.*
 Robert Stephen Dorval, *Wilmington, Mass.*
 Peter Brady Dragone, *Darien, Conn.*
 Donna Elizabeth Drury, *Lewiston, Me.*
 Eric Towle Duff, *Cincinnati, Ohio*
 Ellen Elizabeth Dunwoody, *Palos Verdes Estates, Calif.*
 Janet Gray Dwight, *Demarest, N.J.*

- Peter Fitzgerald Dwyer, *Bronxville, N. Y.*
 Steven Michael Earle, *Queens, N. Y.*
 Melinda Edgerley, *LaMoille, Ill.*
 John Hewitt Eginton, *Stamford, Conn.*
 Jonathan Abel Eiseman, *Basking Ridge, N. J.*
 Geoffrey Scott Emanuel, *Spruce Head, Me.*
 Faust Francis Fabio, *West Roxbury, Mass.*
 Monique Louise Fecteau, *Lewiston, Me.*
 June Anna Fifty, *Manchester, N. H.*
 Michael Filippone, *Danvers, Mass.*
 Cynthia Lee Flandreau, *Lake Forest, Ill.*
 Roslyn Gale Fleischman, *Aurora, Colo.*
 Benjamin Pierson Ford IV, *Indianapolis, Ind.*
 Janet Brazer Ford, *McLean, Va.*
 Judith Johnson Fowles, *Athens, Me.*
 Susan Fraser, *Lee, Mass.*
 Linda Joyce Frechette, *Biddeford Pool, Me.*
 Sara Barnes Frolio, *South Dartmouth, Mass.*
 Jane Leslie Gair, *Arlington, Mass.*
 Alexandra Mary Gandolf, *New York, N. Y.*
 Marc Alan Garcia, *Brooklyn, N. Y.*
 Patricia Laura Garrambone, *Clifton, N. J.*
 Craig Morley Garson, *Halifax, Nova Scotia*
 Ellen Scott Geaney, *Hudson, Ohio*
 Susan E. Gellen, *Syracuse, N. Y.*
 Karen Gickas, *Haverhill, Mass.*
 Ingrid Anne Gjestebly, *Cohasset, Mass.*
 Joyce Frances Glasscock, *Portland, Me.*
 Stephen Thomas Goller, *York Harbor, Me.*
 Marcia Malaquias Gomez, *New York, N. Y.*
 Linda Lee Good, *Bridgewater, N. J.*
 Peter Penfield Goodnow, *Providence, R. I.*
 Ellen Winslow Grant, *Dedham, Mass.*
 Lynne Elizabeth Graybeal, *Mercer Island, Wash.*
 Peter Greenberg, *Longmeadow, Mass.*
 Emily Marie Grout, *Gouverneur, N. Y.*
 Susan Whipple Hadlock, *South Freeport, Me.*
 Jonathan Lee Haines, *Schenectady, N. Y.*
 Lisa Anne Hall, *St. James, N. Y.*
 Robert Joseph Ham, *Cape Elizabeth, Me.*
 Thomas John Handel, *Madison, N. J.*
 Margaret Anne Hannigan, *Melrose, Mass.*
 Andrew John Harding, *San Mateo, Calif.*
 Lisa Raye Harrison, *London, England*
 Kyle Jane Harrow, *North Quincy, Mass.*
 Linda Jean Hartman, *Amherst, Mass.*
 Anne Marie Hebert, *Dixfield, Me.*
 Bruce Kenneth Henderson, *Greenwich, Conn.*
 Brian Hoffmann, *The Sea Ranch, Calif.*
 Gregory Adams Holden, *Shelburne, Vt.*
 Barry Horwitz, *Newton Centre, Mass.*
 Yoichi Hosoi, *Tokyo, Japan*
 Joseph Washington Hotchkiss, Jr., *Greenwich, Conn.*
 Rhonda Jane Htoo, *Poughkeepsie, N. Y.*
 Mark William Hubbert, *Needham, Mass.*
 Arthur Anderson Huber, Jr., *Atlanta, Ga.*
 David Woods Hull, *Bangor, Me.*
 Gordon A. Hunziker, *Upper Montclair, N. J.*
 Howard John Ingraham, *Millis, Mass.*
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 Robert Franklin Jackson, Jr., *Marblehead, Mass.*
 Julia Elizabeth Jacobsohn, *Farmingdale, Me.*
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 Andrea Lucy James, *Springfield, Mass.*
 Robert Griffin John, *London, England*
 Laurel Anne Johnson, *Middleborough, Mass.*
 Lee Virginia Johnson, *Swampscott, Mass.*
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 Charles Edward Jones, *Winchester, Mass.*
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 James Paul Kalenak, *Gales Ferry, Conn.*
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 Sheila Ann Keane, *Upper Saddle River, N. J.*
 Kathleen Marie Kehoe, *Sherburne, N. Y.*
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 Nancy Anne Klumpp, *Moorestown, N. J.*
 Samuel Chamberlain Koch, *Concord, Mass.*
 Linnea Louise Koons, *Sidney, Me.*
 Elizabeth Llewellyn Koucky, *Glastonbury, Conn.*
 Peter Jay Krane, *Newton, Mass.*
 Peter Henry Krayner, *Beaver, Penn.*
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 David Scott LaLiberty, *Waterville, Me.*
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 Kay Elizabeth LaVoie, *Skowhegan, Me.*
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 Kim Elizabeth Ledbetter, *Grandview, Mo.*
 William Harmon Leete, Jr., *West Hartford, Conn.*
 David George Lemoine, *Waterville, Me.*
 Robert Williams Lenk, *China, Me.*
 Douglas Stephen Lewing, *Wilmington, Del.*
 Deborah Lincoln Lieberman, *Chester, Conn.*
 Diane M. Light, *Waterville, Me.*
 David Paul Linsky, *Natick, Mass.*

- Arlene M. Lipman, *Augusta, Me.*
 Robert Vincent Lizza, *Ho-Ho-Kus, N.J.*
 Victoria Louise Loeb, *Jenkintown, Penn.*
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 John Lyman III, *Middlefield, Conn.*
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 Patricia Ann Maguire, *Windsor, Conn.*
 Vicki Lee Mains, *Gloucester, Va.*
 George Leander Martin, Jr., *Bristol, Me.*
 Margaret Ellen Matheson, *Augusta, Me.*
 Elizabeth Sprague Maynard, *Chestnut Hill, Mass.*
 Mark Andrew McAuliffe, *Braintree, Mass.*
 Janet Susan McMahan, *Lyme, Conn.*
 Patricia Ann McNally, *Providence, R.I.*
 Sheila Adina Meeres, *North Bergen, N.J.*
 Mary McKnight Melvin, *Lake Forest, Ill.*
 Nicholas Trowbridge Mencher, *New York, N.Y.*
 Joseph Francis Meyer, *West Orange, N.J.*
 Angela Denise Mickalide, *Lewiston, Me.*
 Carol Campbell Miller, *Lexington, Mass.*
 Janice Lesley Miller, *New York, N.Y.*
 William Dreyer Mills, *Cross River, N.Y.*
 Mary Phyllis Mitchell, *Waterville, Me.*
 Neal Carl Mizner, *Marblehead, Mass.*
 Sidney Karl Mohel, *Lakewood, N.J.*
 Ross Adam Moldoff, *Rye, N.H.*
 Curtis Townsend Moody, *Little Silver, N.J.*
 Sidney Clarke Moody III, *Bernardsville, N.J.*
 Thomas Milliken Moore, Jr., *St. Louis, Mo.*
 Jan Gwilym Morris, *West Pittston, Penn.*
 Jennifer Ann Morrison, *Yarmouth, Me.*
 Dean Kevin Morrissey, *Irvine, Calif.*
 Sarah Elizabeth Morton, *Cohasset, Mass.*
 Nancy Mott, *Paris Hill, Me.*
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 Anthony Musgrave, *Ann Arbor, Mich.*
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 Eric Roswell Peterson, *Colorado Springs, Colo.*
 Ralph Waldo Peterson III, *Wakefield, Mass.*
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 Joseph John Piatczyc, *Stockbridge, Mass.*
 Cynthia Ingraham Pigott, *New York, N.Y.*
 Wells Mylecraine Pile, *Milton, Mass.*
 Elizabeth Judy Pinette, *Fort Kent, Me.*
 Andrew Thomas Plante, *Newbury, Mass.*
 Paula Emily Polak, *Adams, Mass.*
 Robert Charles Pomeroy, *Washington, D.C.*
 Theanna Marie Poulos, *Portland, Me.*
 George Andrew Powers, *Cohasset, Mass.*
 Daniel Edgar Pugh, *Canton, Mass.*
 David Paul Quigley, *Chevy Chase, Md.*
 Katherine Martha Quimby, *East Peacham, Vt.*
 Arthur Wesley Radcliffe, Jr., *Windham Center, Conn.*
 Julie Ann Ramsdell, *Bangor, Me.*
 Susan Constance Raymond, *Lewiston, Me.*
 Louise Forester Reid, *New Canaan, Conn.*
 David Mullaney Rice, *Upper Montclair, N.J.*
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 Kirby Warren Rowe, *Waterville, Me.*
 Sarah Louise Russell, *Bar Harbor, Me.*
 Dana Stephen Russian, *Lexington, Mass.*
 Marta Renee Ruth, *Geneva, Switzerland*
 Jeffrey Michael Sachs, *Orange, Conn.*

Richard Scott Sadler, *Pepper Pike, Ohio*
 Dawn Eileen St. Clair, *Livermore, Me.*
 Elizabeth Sandin, *Guilford, Conn.*
 Lisa Beth Sauer, *Pittsfield, Me.*
 Margaret Keyser Saunders, *Bethesda, Md.*
 Kevin Scot Schneider, *Stoneham, Mass.*
 Beverly Ann Schnorr, *North Smithfield, R.I.*
 Richard John Schreuer, *Ipswich, Mass.*
 Deborah Merle Schwartz, *Manchester, N.H.*
 Lydia Atherton Sears, *Media, Penn.*
 Jonathan Edward Sexton, *Belmont, Mass.*
 James Michael Shaw, *Salisbury, Mass.*
 Jean Carol Sherwood, *East Brunswick, N.J.*
 Andrew Carter Shire, *Allentown, Penn.*
 David Jonathon Simon, *Birmingham, Alab.*
 Steven Richard Singer, *Hamden, Conn.*
 Tala Skari, *Missoula, Mont.*
 Gerard Joseph Skinder, *Andover, Mass.*
 Kathryn Elaine Small, *Sandwich, Mass.*
 John Edward Smedley, *Hartford, Conn.*
 John Matthew Smith, *Verona, N.J.*
 Sean Samuel Smith, *Upper Saddle River, N.J.*
 Martha Jane Soucy, *Kittery, Me.*
 Paul Gerard Spillane, Jr., *Brockton, Mass.*
 Tracy Steadman, *Englewood, N.J.*
 Stacie Knox Stoddard, *Schenectady, N.Y.*
 Alyson F. Stone, *Alfred, Me.*
 Maral Jean Sucusy, *Blue Hill, Me.*
 David Robert Surette, *Malden, Mass.*
 Jon Christian Swenson, *Redding, Conn.*
 George Hammond Swihart, *Casco, Me.*
 Julie Ann Sydow, *Framingham, Mass.*
 LouAnn Patricia Takacs, *Framingham, Mass.*
 Douglas James Taron, *Manchester, Mass.*
 Jeffrey Robinson Taylor, *Warwick, R.I.*
 Leslie Jean Taylor, *New Salem, Mass.*
 Gerard Paul Teeven, *Wilmington, Del.*
 Christina Young Thayer, *Cary, N.C.*
 Herbert Charles Thomas, *Sewickley, Penn.*
 Mark Steven Thomas, *Amherst, N.H.*
 Michael Joseph Thompson, *Attleboro, Mass.*
 Megan Thorn, *Holden, Mass.*
 Benjamin Whitney Thorndike, *Dedham, Mass.*
 Robert Stone Timmins, *Atlanta, Ga.*
 Robin Lee Towle, *Chester, N.H.*
 Michael Joseph Tracy, *Weymouth, Mass.*
 Pasquale Joseph Trunzo III, *East Hampton, N.Y.*
 Anngenetta Cottrell Tyler, *Weston, Mass.*

Richard Y. Uchida, *Lake Charles, La.*
 Jane Miller Venman, *Trumbull, Conn.*
 Bruce Allan Viani, *Adams, Mass.*
 Suzanne Marie Viger, *Biddeford, Me.*
 Tracy Ann Villani, *Plymouth, Mass.*
 Michael Paul Viniconis, *Enfield, Conn.*
 David William Vivian, *Cohasset, Mass.*
 Katherine Ruth Wall, *Littleton, Mass.*
 Debra Ann Wallace, *Augusta, Me.*
 Bradley Cosgrove Warner, *Wayzata, Minn.*
 Blair Belden Washburn, *West Hartford, Conn.*
 Kimberley Coates Wathen, *Chester, N.J.*
 Sarah Ann Watrous, *Cohasset, Mass.*
 Mark Andrew Weatherly, *Moorestown, N.J.*
 Peter Bruce Weatherly, *Moorestown, N.J.*
 Christopher Harty Webber, *Great Barrington, Mass.*
 Kenneth A. Weissman, *Stamford, Conn.*
 Neal Joseph Welch, *Cheshire, Conn.*
 Thomas David Wells, *Dorchester, Mass.*
 Kristin Doane West, *Atlanta, Ga.*
 Susan Kerr Whalen, *Great Barrington, Mass.*
 Margaret Trimble Wharton, *Ruxton, Md.*
 Carol Ann White, *North Reading, Mass.*
 Denise Marie White, *Andover, Mass.*
 Gerrit Christopher White, *Ashford, Conn.*
 Wende H. Whiting, *Merrimac, Mass.*
 Kristin Lorraine Whittier, *Farmington, Me.*
 C. David Williams, *Havertown, Penn.*
 Linda Brooks Williams, *Essex, Conn.*
 Robert Wong, *Boston, Mass.*
 Jeffrey Jalo Wuorio, *Interlaken, N.J.*
 Lisa Marie Yemma, *Haverhill, Mass.*
 Deborah Lillian Zarella, *Woburn, Mass.*
 Savas Steve Zembillas, *Merrillville, Ind.*
 James Peter Zendman, *Greenwich, Conn.*
 Lynne Ellen Ziemer, *Essex Junction, Vt.*
 Mary Lucille Zukowski, *Waterville, Me.*

As of the Class of 1978

Nerio De Candido, *Ile Bizard, Quebec*
 Stephen Donnelly Hart, *Wellesley, Mass.*

As of the Class of 1977

Cathy Ann Beckert, *Langhorne, Penn.*
 Pamela Mary Landry, *Rockville, Md.*

As of the Class of 1976

David Alan Bengtson, *New Britain, Conn.*

*As of the Class of 1969*Mary Kathryn Fletcher, *Denver, Colo.**Degrees Granted in October as of the Class of 1978*Susan Berko-Merkin, *Short Hills, N.J.*Rae Ellen Caravaty, *Pittsfield, Mass.*Douglas C. Maffucci, *Cross River, N.Y.*Jane Tyler Seamans, *Scottsdale, Ariz.*Gary Steven Winer, *Lynnfield, Mass.*

HONORARY DEGREE RECIPIENTS

Walter Jackson Bate

Doctor of Letters

Alida Milliken Camp

Doctor of Humane Letters

Olin Sewall Pettingill

Doctor of Science

Lucy Poulin

Doctor of Divinity

Helen Bell Strider

Doctor of Humane Letters

Robert Edward Lee Strider II

Doctor of Letters

John Lewis Thomas, Jr.

Doctor of Laws

Benjamin Thompson

Doctor of Fine Arts

Honors

BACHELOR'S DEGREE WITH HONORS

Summa Cum Laude

Cathy Ellen Cushman

Monique Louise Fecteau

Marc Alan Garcia

Susan E. Gellen

Mark Andrew McAuliffe

Angela Denise Mickalide

Gregory Mark Pfitzer

David Mullaney Rice

Eric Scott Rosengren

Magna Cum Laude

Cheryl Lynn Adams

David Watson Allen

Ruth Elaine Anderson

Charles Michael Begley, Jr.

Catherine Courtenaye

Stacey Jill Cox

Sarah Holbrook Davis

Ellen Elizabeth Dunwoody

Barry Horwitz

Rhonda Jane Htoo

Laurel Anne Johnson

Kim Elizabeth Ledbetter

Robert Vincent Lizza

Mary Phyllis Mitchell

Neal Carl Mizner

Lisa Gail Pacun

Karen Jeanne Pazary

George Andrew Powers

Katherine Martha Quimby

Dana Stephen Russian

Elizabeth Sandin

John Edward Smedley

Bruce Allan Viani

Katherine Ruth Wall

Jeffrey Jalo Wuorio

Cum Laude

Gayle Elizabeth Amato

Elizabeth Logan Armstrong

Alan Kirk Banks

Jocelyn Bartkevicius

David Edward Bernier

Christopher David Blass

Corinna Louisa Boldi

Russell Brown Brewer II

Bruce Douglas Brown

Elizabeth Cobb Bucklin

Amy Jane Burdan

Andrew Braun Choate

Glenn Taylor Connell
 James Alexander Connolly
 Marilyn Claire Courtney
 John Lawrence Crispin
 Janet Gray Dwight
 Roslyn Gale Fleischman
 Judith Johnson Fowles
 Sara Barnes Frolio
 Alexandra Mary Gandolf
 Craig Morley Garson
 Linda Lee Good
 Peter Penfield Goodnow
 Lynne Elizabeth Graybeal
 Jonathan Lee Haines
 Linda Jean Hartman
 Anne Marie Hebert
 Brian Hoffmann
 Mark William Hubbert
 Paul David Kazilionis
 Elizabeth Llewellyn Koucky
 Donald Joseph Lavoie
 Kay Elizabeth LaVoie
 William Harmon Leete, Jr.
 Joseph Francis Meyer
 Richard Nadeau, Jr.
 Susan Emelie Oram
 Miriam Gow Patterson
 Andrew Thomas Plante
 Theanna Marie Poulos
 Thomas P. Riley
 Rebecca Mary Rogers
 Sarah Louise Russell
 Dawn Eileen St. Clair
 Margaret Keyser Saunders
 Richard John Schreuer
 Martha Jane Soucy
 Stacie Knox Stoddard
 Jon Christian Swenson
 Douglas James Taron
 Michael Joseph Thompson
 Megan Thorn
 Denise Marie White
 Gerrit Christopher White
 Wende H. Whiting

DISTINCTION IN THE MAJOR

Administrative Science

Dwight Leonard Allison III

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 Mark William Hubbert
 Paul David Kazilionis
 Donald Joseph Lavoie
 Mark Andrew McAuliffe
 Randy Chris Papadellis
 Karen Jeanne Pazary
 Mary Lucille Zukowski

Administrative Science-Mathematics

Gayle Elizabeth Amato
 Karen Jeanne Pazary
 Julie Ann Sydow

American Studies

Christopher David Blass
 Bruce Douglas Brown
 Gregory Mark Pfitzer
 Steven Richard Singer

Art

Rhonda Jane Htoo
 Edward Spinner O'Flaherty

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Linda Jean Hartman
 Anne Marie Hebert
 Linda Jean Kuhn
 Janet Susan McMahan
 William Dreyer Mills
 Jean Carol Sherwood
 Douglas James Taron
 Michael Joseph Thompson
 Bruce Allan Viani

Chemistry

John Lawrence Crispin
 John Edward Smedley
 Michael Joseph Thompson

East Asian Studies

Elizabeth Logan Armstrong
 Joseph Francis Meyer
 Lisa Marie Yemma

Economics

David Watson Allen
 Russell Brown Brewer II
 Lynne Elizabeth Graybeal
 Barry Horwitz
 Mark Andrew McAuliffe
 Eric Scott Rosengren
 Dana Stephen Russian

English

Rebecca Jo Alex
 Jocelyn Bartkevicius
 Gwendolyn Beatrys Boeke
 Corinna Louisa Boldi
 Catherine Courtenaye
 Marilyn Claire Courtney
 Ellen Elizabeth Dunwoody
 Roslyn Gale Fleischman
 Judith Johnson Fowles
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 Rhonda Jane Htoo
 Julia Elizabeth Jacobsohn
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 Mary McKnight Melvin
 Mary Phyllis Mitchell
 Sidney Clarke Moody III
 Jennifer Ann Morrison
 Richard Nadeau, Jr.
 Miriam Gow Patterson
 Andrew Thomas Plante
 Theanna Marie Poulos
 George Andrew Powers
 Katherine Martha Quimby
 Thomas P. Riley
 Herbert Charles Thomas
 Megan Thorn
 Robert Stone Timmins
 Gerrit Christopher White
 Jeffrey Jalo Wuorio

Environmental Studies

Craig Morley Garson

French

Monique Louise Fecteau
 Katherine Ruth Wall

Geology

James Alexander Connolly
 Linda Lee Good
 George Hammond Swihart

Geology-Biology

Janet Susan McMahon

German

Katherine Martha Quimby

Government

Brian Hoffmann
 Kim Elizabeth Ledbetter
 David Paul Linsky
 Robert Vincent Lizza
 Joseph Francis Meyer
 Neal Carl Mizner
 Margaret Keyser Saunders

History

David Edward Bernier
 Bruce Douglas Brown
 Mark Stephen Buotte
 Amy Jane Burdan
 Peter Penfield Goodnow
 Gregory Mark Pfitzer
 Rebecca Mary Rogers

Human Development

Ruth Elaine Anderson
 Susan E. Gellen
 Jennifer Ann Morrison
 Stacie Knox Stoddard

Independent: Literature and History

Dawn Eileen St. Clair

Mathematics

David Watson Allen
 John Matthew Smith
 Martha Jane Soucy

Music

Cathy Ellen Cushman
 Elizabeth Sandin

Philosophy

William Harmon Leete, Jr.
 Nicholas Trowbridge Mencher
 Susan Emelie Oram
 David Mullaney Rice
 Deborah Merle Schwartz

Physics

Glenn Taylor Connell
 John Edward Smedley

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Ruth Elaine Anderson
 David R. Caruso
 Marc Alan Garcia
 Angela Denise Mickalide

Religion

Cheryl Lynn Adams
 Elizabeth Llewellyn Koucky
 David Mullaney Rice

Sociology

David R. Caruso
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Spanish

Peter Brady Dragone
 Denise Marie White

Western Civilization

Sarah Holbrook Davis

PHI BETA KAPPA

Elected in Junior Year

Marc Alan Garcia
 Mark Andrew McAuliffe
 Angela Denise Mickalide
 Gregory Mark Pfitzer
 Eric Scott Rosengren

Elected in Senior Year

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 David Watson Allen
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 Charles Michael Begley
 Catherine Courtenaye
 Cathy Ellen Cushman
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 Monique Louise Fecteau
 Susan E. Gellen
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SENIOR SCHOLARS

Dwight Daniel Darrow
Nine Old Men and One New Deal: Franklin Delano Roosevelt and the Supreme Court Crisis of 1937, a political history
 Gregory Mark Pfitzer
Philosophical Perspectives on the Myth/Symbol School of American Studies
 Andrew Thomas Plante
Title: High Anxiety
 David Mullaney Rice
Philosophy and Environmental Crisis: Foundations for a New Technological Paradigm
 Jeffrey Jalo Wuorio
"Spring into Summer"—Two Drafts of a Novel

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Degrees Awarded at Commencement Sunday, May 25, 1980

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 Jean Ennis McCord, *Ruxton, Md.*
 Kathy McCulloch, *Needham, Mass.*
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 William Blaine McKechnie, *East Holden, Me.*
 Sue Ellen McLeod, *Groton, Mass.*
 Esme McTighe, *Blue Hill, Me.*
 Beverly Gail Mellen, *Fairport, N.Y.*
 Christopher Karl Mellon, *Northeast Harbor, Me.*
 Ellen Marie Mercer, *White Plains, N.Y.*
 Andrew Michael Miller, *Huntington, N.Y.*
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 Thomas Reich Miller, *Bowmansdale, Penn.*
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 Heidi Gene Misslbeck, *McLean, Va.*
 Leslie Karen Mitchell, *Ridgefield, Conn.*
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 Carol Jean Mordecai, *Wayland, Mass.*
 David Mordecai, *Holliston, Mass.*
 Anne Marie Morgenstern, *Lynn, Mass.*
 Mark Edward Morin, *Ashland, Me.*
 Michael Gerard Morley, *Dedham, Mass.*
 Betsy Morrell, *Brunswick, Me.*
 Hilary Morton, *New York, N.Y.*
 Robert Hamlen Motley, *Dover, Mass.*
 Catherine Elizabeth Mueller, *Tulsa, Okla.*
 Richard S. Mulcahy, *South Yarmouth, Mass.*
 Nancy Ruth Munroe, *Andover, Mass.*
 Laurel Anne Munson, *Moynan, Penn.*
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 Nancy Ann Nagel, *Wayne, N.J.*
 Beverly Faye Nalbandian, *Detroit, Mich.*
 Barbara Ann Neal, *Sudbury, Mass.*
 Elizabeth Nelb, *Rye, N.H.*
 Brian Kevin Neligan, *Ridgefield, Conn.*
 James C. Nelson, Jr., *Lynnfield, Mass.*
 Ann Norris Nichols, *Nobleboro, Me.*
 Leanne Marie Nickon, *Cockeysville, Md.*
 MaryEllen Nolan, *Milton, Mass.*
 Paul Anthony Novak, *Heidelberg, West Germany*
 William Thomas O'Donnell, *North Andover, Mass.*
 Daniel James O'Halloran, *Waterville, Me.*
 Kelley Sue Osgood, *Indianapolis, Ind.*
 Daniel Jay Ossoff, *Beverly, Mass.*
 Amy Margaret Page, *Riverside, R.I.*

Catherine Johnson Palmer, *Darien, Conn.*
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 Christopher Allerton Perrin, *Windham, Me.*
 David Goddard Perry, *Wellesley, Mass.*
 Rebecca Gene Peters, *Wichita, Kans.*
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 Susan Elise Pierce, *Waterville, Me.*
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 Ellen Mary Pokorny, *Pleasantville, N.Y.*
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 William L. Zolli, Jr., *Southboro, Mass.*
As of the Class of 1979
 John Terrell Bennett III, *Weston, Mass.*
 Allison Lee Erenstein, *Florham Park, N.J.*
 Elizabeth Ann Forsythe, *Billings, Mont.*
 Christa Marie Hutcheon, *Falmouth, Me.*
As of the Class of 1977
 Kathleen Marie Jewett, *Weymouth, Mass.*
As of the Class of 1976
 Mark Alexander Taylor, *Cortland, N.Y.*
As of the Class of 1972
 Stephen Scott Thomason, *Lewiston, Me.*
As of the Class of 1970
 Laurie Elizabeth Hayward, *San Francisco, Calif.*
As of the Class of 1969
 Lynn Hudson Treat, *Phoenix, Ariz.*
Degrees Granted in October as of the
Class of 1979
 Douglas Boyd DeAngelis, *Cape Elizabeth, Me.*
 Jean Winnifred Powell, *Bangor, Me.*

HONORARY DEGREE RECIPIENTS

Harold Alford
Doctor of Humane Letters
 Clark Hopkins Carter
Doctor of Humane Letters
 Willard Finley Enteman
Doctor of Laws
 Dahlov Ipcar
Doctor of Fine Arts
 Ralph Nader
Doctor of Laws
 William Beecher Scoville
Doctor of Science

Honors

BACHELOR'S DEGREE WITH HONORS

Summa Cum Laude

Kathryn Nancy Alioto
 Pamela Jane Haury
 Patricia Ann Kinsella
 Daniel Jay Ossoff
 Lloyd David Resnick
 Richard Alan Sinapi
 Sonia Pauline Turcotte

Magna Cum Laude

Lawrence David Bradley
 Gretchen Elizabeth Hall
 Scot C. Lehigh
 James Vandermark Lowe
 Joanne Margaret Lynch
 Stephanie Jean Mathurin
 Martha Timmons McCluskey
 Sue Ellen McLeod
 Ellen Marie Mercer
 Barbara Ann Neal
 Christopher Winters Platt
 Mary Beth Ramundo
 Nelson Vandeventer Russell II
 Marjorie Catherine Smith

Cum Laude

Ann Meriden Albee
 Pamela Jean Bembridge
 Dorcas Star Benner
 Daniel William Berger
 Diane Susan Berry
 Beth Ann Bourassa
 Brenda Lee Bowen
 Brian Kenneth Buckley
 John Lindemann Carpenter
 Nancy Alice Chapin
 Wendy Rene Cherubini
 Deborah McNair Clark
 Victoria Louise Coates
 Joy Lea Crafts
 James Ray Elmore
 Jan Leslie Follansbee

Mark Louis Gallo
 Robin Elizabeth Gathany
 Chester Dahl Hansen III
 Karen Elizabeth Harvey
 Susan Horwitz
 Timothy Grove Hunt
 Nancy Ellen Johnson
 Cynthia Lynne Kaihlanen
 Rachel Elizabeth Lavengood
 Neil Ross Mackinnon
 Stephen Scott Martin
 Beverly Gail Mellen
 Susan Marcia Miller
 John Francis Monroe
 Mark Edward Morin
 Nancy Ruth Munroe
 Leanne Marie Nickon
 Rebecca Gene Peters
 Diana Sylvia Small
 Joel Mark Solomon
 Frank Armann Stefansson, Jr.
 Jane Ann Sullivan
 Kenneth Ralph Thomas
 Patricia Valavanis
 John Edward Veilleux
 Brooke Woods

DISTINCTION IN THE MAJOR

Administrative Science

Ann Meriden Albee
 Kathleen Marie Clark
 Linda Anne Davis
 Robert Devereaux Glaser
 Kimberly Ann Grace
 Neil Ross Mackinnon
 Nelson Vandeventer Russell II
 Joanne Marie Shannon
 Tracey Jeannette Wiles

American Studies

Kathryn Nancy Alioto
 Jeremy Dick Chiverall Beale
 John Lindemann Carpenter

Joy Lea Crafts
 Patricia Ann Kinsella
 Philip Ludwell Lee
 Ellen Marie Mercer
 Patricia Valavanis

Art

Cathie Ann Marqusee
 Susan Marcia Miller
 Carol Gardner Sly

Biology

Anthony Patrick Cunningham
 Timothy Grove Hunt
 Beverly Gail Mellen
 Mary Beth Ramundo
 Joel Mark Solomon
 Tracey Jeannette Wiles

Classics-English

James Vandermark Lowe

Classics-Philosophy

James Vandermark Lowe

Economics

Lawrence David Bradley
 Brian Kenneth Buckley
 David Robert Buffum
 Deborah McNair Clark
 Lauren Mary Dustin
 James Ray Elmore
 Robert Devereaux Glaser
 Kimberly Ann Grace
 Chester Dahl Hansen III
 Joanne Margaret Lynch
 Neil Ross Mackinnon
 Gregory Duncan Mills
 Barbara Ann Neal
 Kelley Sue Osgood
 James George Ryan

English

Geoffrey Mark Becker
 Vivian Vera Bogdonoff
 Beth Ann Bourassa
 Brenda Lee Bowen
 Eric Gardner Ertman
 Robin Elizabeth Gathany
 Peter Lyle Hampton
 Nancy Ellen Johnson
 Cathie Ann Marqusee

Stephanie Jean Mathurin
 Esme McTighe
 Rebecca Gene Peters
 Lloyd David Resnick
 Robert Louis Schulze
 Marjorie Catherine Smith
 Sonia Pauline Turcotte
 Patricia Valavanis
 Brooke Woods
 Robin Jane Yorks

Environmental Studies

Mark Louis Gallo
 Timothy Grove Hunt

Geology

Cynthia Ruth Wigley

German

Pamela Jean Bembridge
 Leanne Marie Nickon

Government

Dorcas Star Benner
 Daniel William Berger
 Deborah McNair Clark
 Barbara Ann Neal
 Lynda Phillippo
 Richard Alan Sinapi
 John Edward Veilleux

History

Peter Benjamin Asher
 Geoffrey Francis Brown
 Wendy Rene Cherubini
 Martin A. Curtin
 Karen Elizabeth Harvey
 Robert Gutersson Preston
 Diana Sylvia Small

Human Development

Ann Meriden Albee
 Victoria Louise Coates
 Martha Timmons McCluskey
 Nancy Ruth Munroe

Mathematics

Lawrence David Bradley
 Nancy Alice Chapin
 Sue Ellen McLeod
 Mark Alexander Smith

Music

Jeffrey Timothy Angley
Gretchen Elizabeth Hall
Michael David Pelletier

Philosophy

Anthony Patrick Cunningham
Kenneth Ralph Thomas

Philosophy-Religion

Rachel Elizabeth Lavengood

Physics

Mark Irving Lake
Mark Edward Morin

Psychology

Diane Susan Berry
Alice Diane Domar
Stephen Scott Martin
Jane Ann Sullivan

Psychology-Mathematics

Carol Joan Mordecai

Religion

Jane Ellen Dibden

Sociology

Eric Gardner Ertman
Daniel Jay Ossoff
Carol Gardner Sly

Spanish

Jan Leslie Follansbee
Pamela Jane Haury
Nelson Vandeventer Russell II

Western Civilization

Peter George Bryan

PHI BETA KAPPA

Elected in Junior Year

James Vandermark Lowe
Daniel Jay Ossoff
Richard Alan Sinapi
Sonia Pauline Turcotte

Elected in Senior Year

Kathryn Nancy Alioto
Dorcas Star Benner
Lawrence David Bradley
Brian Kenneth Buckley
Nancy Alice Chapin

Jan Leslie Follansbee
Mark Louis Gallo
Gretchen Elizabeth Hall
Chester Dahl Hansen III
Pamela Jane Haury
Patricia Ann Kinsella
Scot C. Lehigh
Joanne Margaret Lynch
Stephen Scott Martin
Stephanie Jean Mathurin
Martha Timmons McCluskey
Sue Ellen McLeod
Ellen Marie Mercer
John Francis Monroe
Mark Edward Morin
Barbara Ann Neal
Christopher Winters Platt
Mary Beth Ramundo
Lloyd David Resnick
Nelson Vandeventer Russell II
Diana Sylvia Small
Marjorie Catherine Smith
Patricia Valavanis

SENIOR SCHOLARS

Geoffrey Mark Becker
Dancing with Mr. Penrose and Other Stories

Susan Elizabeth Erb
The World of Elizabeth James Seyle: Female Culture in Upper-class Victorian America

Susan Hill MacKenzie
Policy Analysis of the Revision of the National Ambient Air Quality Standards for Photochemical Oxidants: Focus on Maine

Susan Marcia Miller
An Independent Study in the Applied Arts

Catherine Elizabeth Mueller
Painting: Figure in Environment

Kelley Sue Osgood
Two Centuries of Change in Personal Wealth Holding Patterns: The United Kingdom vs. the United States

Rebecca Gene Peters
Thomas Hardy's Short Stories: An Exploration and Assessment

JULIUS SEELYE BIXLER SCHOLARS

Class of 1980

Pamela Jane Haury
 Patricia Ann Kinsella
 James Vandermark Lowe
 Daniel Jay Ossoff
 Lloyd David Resnick
 Richard Alan Sinapi

Class of 1981

Judith Manning Greene
 Paula Kot
 Chai Hoon Ooi
 Renee Ann Ross
 Robert Michael Ruzzo
 Elizabeth Torraca

Class of 1982

Lisa Anne Clark
 Scott Gerald Delcourt
 David Lewis Fanger
 Diana Jean Fuss
 Barbara J. Leefman
 Ann Elizabeth Renner
 Diane Marlene Zavotsky
 David Mark Znamierowski

CHARLES A. DANA SCHOLARS

Class of 1980

Kathryn Nancy Alioto
 Dorcas Star Benner
 Lawrence David Bradley
 Mark Francis Cavanaugh
 Karen Hale Dunkle
 Chester Dahl Hansen III
 Scot C. Lehigh
 Joanne Margaret Lynch
 Martha Timmons McCluskey
 Sue Ellen McLeod
 Ellen Marie Mercer
 Christopher Winters Platt
 Mary Beth Ramundo
 Marjorie Catherine Smith
 Sonia Pauline Turcotte

Class of 1981

Michele Andrea
 Elizabeth Howard Bowen
 Mary Elizabeth Brooks

Jeffery Thayer Davis
 Pamela Jo Ellis
 Glenn Arthur Herdeg
 Janice Carol Johnson
 Benjamin Eaton Lentz
 Elisabeth Ruth Ober
 Susan Chamberlin Perry
 Carol Ann Reed
 Richard Frederick Schaub, Jr.
 Marda Elizabeth Sharkey
 Judy Anne Sheehan

Class of 1982

Rebecca Ann Badger
 Margaret E. Carlton
 Lorene Lee Douglas
 Fidel Fajardo
 Laura Kimball Gagliano
 Marguerite Deware Holden
 Cynthia Rowland Koehler
 David Charles Marcus
 Jay Michael Menario
 John Varant Najarian
 Susan Jean Prendergast
 David Alan Sawtelle
 Kimberlee Ann Smith
 James Daniel Sullivan
 Margaret Midori Yanagihara

College Prizes 1979, 1980

GENERAL *George F. Baker Scholarships.* Awarded to sophomores (and usually reawarded to juniors) demonstrating high qualities of character and motivation, a high degree of recognition by their contemporaries, superior mental competence, and an expressed interest in a business career.

1979: BRIAN KENNETH BUCKLEY '80, DAVID ROBERT BUFFUM '80, SANDRA CLEMENS '81, JAY DOUGLAS CULBERT '81, CHRISTOPHER SPENCER HASTY '81, DALE LLOYD HEWITT '80, ALISON ANN JONES '81, JOANNE MARGARET LYNCH '80, ELLEN MARIE MERCER '80, RICHARD CARLTON MUTHER '81, BARBARA ANN NEAL '80, KELLEY SUE OSGOOD '80, JAY HAROLD OTIS '81, RICHARD TAYLOR PARRISH '81, RICHARD FREDERICK SCHAUB, JR. '81, SUSAN FAY SLAWSON '81, DIANA SYLVIA SMALL '80, BRYON PAUL WENRICH '81.

Bixler Scholarships. Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

Frederick F. Brewster Honor Scholarship.

1979: not awarded; 1980: not awarded.

Colby Library Associates Book Prize.

1979: not awarded; 1980: 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."

1979: STACIE KNOX STODDARD '79; 1980: JOHN EDWARD VEILLEUX '80.

Charles A. Dana Scholarships. Available to qualified sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits. Each year, approximately sixty new Dana Scholars are selected.

Adelaide True Ellery Scholarships. Awarded to women for outstanding religious leadership.

1979: JANE ELLEN DIBDEN '80, LAUREL ANNE MUNSON '80; 1980: CATHERINE CAROLYN HOBSON '82, KATHLEEN ANNE SHEA '82.

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.

1979: JANE ANN SULLIVAN '80; 1980: PAULA KOT '81, VICTOR LEE VESNAVER '81.

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."

1979: HELEN PATRICIA DOOLEY '82, DAVID MICHAEL STRAGE '82; 1980: JOHN ARTHUR HATTAN '83, SUSAN MARTHA PERRY '83.

Phyllis S. Fraser Scholarship. Presented by Alpha chapter of Sigma Kappa to a Colby son or daughter.

1979: not awarded; 1980: not awarded.

Hillel Honor Key. Presented by the B'nai B'rith Hillel Foundations for outstanding leadership.

1979: MICHAEL JACOB ECKER '82; 1980: RON JAMIE SHAPIRO '82.

Lieutenant John Parker Holden, II, Award. For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

1979: DALE LLOYD HEWITT '80; 1980: JAY HAROLD OTIS '81.

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.

1979: RICHARD ALAN SINAPI '80; 1980: BERNARD RUSSELL GARRITY '81.

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.

1979: BARBARA ANN NEAL '80; 1980: JANE CARLISLE HARTZELL '81.

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.

1979: not awarded; 1980: not awarded.

Jacqueline R. Nunez Award. Given to a woman student with outstanding qualities.

1979: ANNE WEISER LUEDEMANN '79; 1980: PAMELA JANE HAURY '80.

Ninetta M. Runnals Scholarship. Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.

1979: JAN LESLIE FOLLANSBEE '80; 1980: SALOME LEE RILEY '81.

Scott Paper Foundation Awards for Leadership. Awarded to a sophomore who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.

1979: RICHARD JOSEPH DUBE '81, NELSON VANDEVENTER RUSSELL '80; 1980: not awarded.

Student Association Awards. Presented to a senior man, a senior woman, and college employees for service to the college.

1979: SIDNEY KARL MOHEL '79, SUSAN KERR WHALEN '79; 1980: JAMES RAY ELMORE '80, BARBARA ANN NEAL '80.

Student Library Contest Prizes.

1st Prize: 1979: SAVAS STEVE ZEMBILLAS '79; 1980: DAVID LEON POWERS, JR. '83.

2nd Prize: 1979: DAVID EDWARD BERNIER '79; 1980: MARTIN JAY EISENBERG '83.

3rd Prize: 1979: LESLIE JEAN TAYLOR '79; 1980: MICHAEL CLEMENT NIMON '81.

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."

1979: JOHN EDWARD VEILLEUX '80; 1980: Jeffery Thayer Davis '81.

Carrie M. True Award. Given to a woman selected for pronounced religious leadership and influence on the life of the college.

1979: BETTE ANN SMITH '81; 1980: LAUREL ANNE MUNSON '80.

Waterville Area Alumni Association Award. Presented for scholastic and personal achievement to a senior from the Waterville area.

1979: not awarded; 1980: not awarded.

Waterville Business and Professional Women's Club Award.

1980: KATHRYN NANCY ALIOTO '80, SUSAN ELIZABETH ERB '80.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

1979: KATHLEEN MARIE CLARK '80, LINDA ANNE DAVIS '80, ROBERT DEVEREAUX GLASER '80, KIMBERLY ANN GRACE '80, JOANNE MARIE SHANNON '80, DIANA SYLVIA SMALL '80, TRACEY JEANNETTE WILES '80. 1980: RICHARD JOSEPH DUBE '81, JEFFREY GRANT DOUGLAS '81, DEBORAH ANNE BARTLETT '81, HARRY ALEXANDER HADIARIS '81, TODD CARLSON MARBLE '81, JAY MICHAEL MENARIO '82, RICHARD CARLTON MUTHER '81, DALE PETERSON OAK '81, RICHARD TAYLOR PARRISH '81, SUZANNE MARY POITRAS '81, SUSAN FAY SLAWSON '81, BARRY ALLEN TESMAN '81, ROBERT JOHN WALLACE '81.

Ernest L. Parsons Prizes.

1979: GAYLE ELIZABETH AMATO '79, PAUL DAVID KAZILIONIS '79, DONALD JOSEPH LAVOIE '79, MARK ANDREW MCAULIFFE '79, KAREN JEANNE PAZARY '79, MARY LUCILLE ZUKOWSKI '79.

1980: ANN MERIDEN ALBEE '80, KATHLEEN MARIE CLARK '80, LINDA

ANNE DAVIS '80, ROBERT DEVEREAUX GLASER '80, NEIL ROSS MACKINNON '80, NELSON VANDEVENTER RUSSELL '80.

Prentice-Hall Accounting Award.

1979: RENEE ANN ROSS '81; 1980: JAY MICHAEL MENARIO '82.

Wall Street Journal Award in Finance.

1979: MARY LUCILLE ZUKOWSKI '79; 1980: RICHARD TAYLOR PARRISH '81.

ART *Charles Hovey Pepper Prizes.*

1979: EDWARD SPINNER O'FLAHERTY '79; 1980: CHIH CHIEN HSU '80, SUSAN MARCIA MILLER '80.

CLASSICS *John B. Foster Prize.*

1979: not awarded; 1980: not awarded.

DRAMATICS *Andrew Blodgett Award.*

1979: not awarded; 1980: not awarded.

ECONOMICS *Breckenridge Prizes.*

1979: DAVID WATSON ALLEN '79, MARK ANDREW MCAULIFFE '79, ERIC SCOTT ROSENGREN '79; 1980: C. DAHL HANSEN III '80, BARBARA ANN NEAL '80.

Faculty Prizes in Economics.

1979: MICHAEL REYNOLDS DONIHUE '79, ERIC SCOTT ROSENGREN '79; 1980: DAVID ROBERT BUFFUM '80, BARBARA ANN NEAL '80.

ENGLISH *Mary Low Carver Prizes for Poetry.*

1979: JANE ELLEN EKLUND '81, LAUREL ANNE JOHNSON '79, HERBERT CHARLES THOMAS '79; 1980: ELISABETH KATHLEEN FOLEY '80, NANCY ELLEN JOHNSON '80, ESME MCTIGHE '80.

Solomon Gallert Short Story Prize.

1979: CATHERINE COURTENAYE '79; 1980: LLOYD DAVID RESNICK '80.

Elmira Nelson Jones Essay Prizes.

1979: GEOFFREY MARK BECKER '80, GREGORY PAUL JALBERT '79, DANIEL EDGAR PUGH '79; 1980: GEOFFREY MARK BECKER '80, SUSAN ELISE PIERCE '80, SARAH ATWOOD STILES '80.

GOVERNMENT *F. Harold Dubord Prizes in Political Science.*

1979: ROBERT VINCENT LIZZA '79, NEAL CARL MIZNER '79; 1980: DANIEL JAY OSSOFF '80, RICHARD ALAN SINAPI '80.

Laurie Peterson Memorial Book Prize. Given to a junior government major who, through academic achievement and evidence of leadership and character, has made an outstanding contribution to the department.

1979: RICHARD ALAN SINAPI '80; 1980: ROBERT MICHAEL RUZZO '81.

Susan Lee Yovic Award. Presented to the student who has achieved the highest degree of competence in the field of international law.
1979: not awarded; 1980: not awarded.

HISTORY *Paul A. Fullam Prize.*

1979: GREGORY MARK PFITZER '79.

Edward Lampert Prize.

1979: BRUCE DOUGLAS BROWN '79; 1980: not awarded.

William J. Wilkinson Prizes.

1979: WENDY RENE CHERUBINI '80; 1980: SUZANNE MARY POITRAS '81, JAMES LEONARD ROBERTI '81.

William J. Wilkinson and Paul A. Fullam Prizes.

1980: WENDY RENE CHERUBINI '80, CHRISTOPHER WINTERS PLATT '80.

INTERDISCIPLINARY STUDIES *American Studies Prizes.*

1st Prize: 1979: GREGORY MARK PFITZER '79; 1980: PATRICIA ANN KINSELLA '80.

2nd Prize: 1979: STEVEN RICHARD SINGER '79; 1980: KATHRYN NANCY ALIOTO '80.

3rd Prize: 1979: BRUCE DOUGLAS BROWN '79; 1980: ELLEN MARIE MERCER '80.

East Asian Studies Prizes.

1979: JEFFREY PAUL FORGET '80, ANN ELIZABETH RENNER '82; 1980: MARGARET MIDORI YANAGIHARA '82 (*1st Prize*, for academic excellence), SHARON RACHEL YOUNG '82 (*2nd Prize*, for academic promise and support of the program).

Excellence in Human Development Prizes.

1st Prize: 1979: SUSAN E. GELLEN '79; 1980: MARTHA TIMMONS MC-CLUSKEY '80.

2nd Prize: 1979: RUTH ELAINE ANDERSON '79; 1980: not awarded.

MODERN LANGUAGES *Chinese Book Prize.*

1979: SUSAN BARI DOKTOR '81; 1980: not awarded.

French Book Prize.

1979: SUSAN JEANNE REESE '82; 1980: TABITHA ASTERA BENNER '83.

Japanese Book Prize.

1979: LISA GAIL PACUN '79; 1980: not awarded.

Harrington Putnam Prizes for Excellence in German.

Beginning German: 1979: INGRI SARA GUNDERSEN '82; 1980: JOANNA ARLENE HOLMES '82, SCOTT ROBERT RUSSELL '83, DAVID MICHAEL STEINBERG '83.

Intermediate German: 1979: CAROL ANNE ARNESS '81, THOMAS BALDWIN

'81; 1980: GRETCHEN ELIZABETH HALL '80, DOUGLAS ALAN KOPSCO '83.

Advanced German: 1979: DANIELA PATRICIA NEMEC '81, KATHERINE MARTHA QUIMBY '79; 1980: PAMELA J. BEMBRIDGE '80, STEPHEN RIKER HARDING '80, DANIELA PATRICIA NEMEC '81, ROBERT MICHAEL RUZZO '81.

Russian Book Prize.

1979: JOLINE MARIE RIOUX '82; 1980: not awarded.

Spanish Book Prizes.

1979: JANET CORDES '79, DANIELA PATRICIA NEMEC '81, GEORGE ANDREW POWERS '79; 1980: WILLIAM HOWARD GOLLIHUE, JR. '80, BARBARA J. LEEFMAN '82, JUDITH ANNE MILLER '82, JEFFREY CLARK MOORE '83, ANTHONY EDWARD PERKINS '82.

MUSIC *Colby College Band Award.*

1979: JONATHAN LEE HAINES '79; 1980: MARK D. HASKINS '81, CYNTHIA RUTH WIGLEY '80.

Ermanno Comparetti Music Prize.

1979: DANA STEPHEN RUSSIAN '79; 1980: LINDA HURWITZ '82.

Glee Club Awards.

1979: CATHY ELLEN CUSHMAN '79, ERIC TOWLE DUFF '79; 1980: JEFFREY TIMOTHY ANGLEY '80, WILLIAM LEO ZOLLI, JR. '80.

Alma Morrissette Award.

1979: CATHY ELLEN CUSHMAN '79; 1980: GRETCHEN ELIZABETH HALL '80.

Symphony Orchestra Awards.

1979: GAYLE ELIZABETH AMATO '79, ELIZABETH SANDIN '79; 1980: NANCY JEAN ELIASON '83, ELIZABETH MITSUYE YANAGIHARA '80.

NATURAL SCIENCES *Accreditation by the American Chemical Society.*

1979: MARC JON ALPERIN '79; 1980: not awarded.

ACS Undergraduate Award in Analytic Chemistry.

1979: JOHN FRANCIS MONROE '80; 1980: EDWARD REDFIELD LOVEJOY '81.

American Institute of Chemists Award.

1979: JOHN EDWARD SMEDLEY '79; 1980: MARK EDWARD MORIN '80.

Thomas C. Bove Geology Award.

1979: PATRICIA COLLINS '79; 1980: not awarded.

Webster Chester Biology Prize.

1979: LINDA JEAN KUHN '79; 1980: TIMOTHY GROVE HUNT '80.

Chi Epsilon Mu Prize in Chemistry.

1979: MARGARET E. CARLTON '82; 1980: not awarded.

Alan Samuel Coit Biology Prizes.

1979: DOUGLAS JAMES TARON '79; 1980: BEVERLY GAIL MELLEN '80, MARY BETH RAMUNDO '80, JOEL MARK SOLOMON '80.

Departmental Prizes in Science.

Biology: 1979: not awarded; 1980: not awarded.

Chemistry: 1979: MARC JON ALPERIN '79, JEFFERY THAYER DAVIS '81, JOHN FRANCIS MONROE '80; 1980: MARGARET E. CARLTON '82, JEFFERY THAYER DAVIS '81, JOHN FRANCIS MONROE '80.

Geology, Junior Prizes:

1980: SCOTT LAWRENCE MURCHIE '81, THEODORE WARREN TAYLOR '81.

Geology, Senior Prizes:

1st Prize: 1979: LINDA LEE GOOD '79; 1980: CYNTHIA RUTH WIGLEY '80.

2nd Prize: 1979: GEORGE HAMMOND SWIHART '79; 1980: not awarded.

3rd Prize: 1979: JAMES ALEXANDER CONNOLLY '79; 1980: not awarded.

Geology, Sophomore Prize: 1979: THEODORE WARREN TAYLOR '81; 1980: PAUL FRANCISCO MUNIZ '82.

Mathematics: 1979: DAVID WATSON ALLEN '79, LAWRENCE DAVID BRADLEY '80, SUE ELLEN MCLEOD '80; 1980: LAWRENCE DAVID BRADLEY '80, MARY ELIZABETH BROOKS '81, JEFFREY ALAN GOLIGER '81, SUE ELLEN MCLEOD '80, ERIC NEIL STINNEFORD '81.

Physics: 1979: not awarded; 1980: not awarded.

Samuel R. Feldman Award for Premedical Studies.

1979: JOHN LAWRENCE CRISPIN '79; 1980: MARK EDWARD MORIN '80.

Geology Alumni Fund Award.

1980: CYNTHIA RUTH WIGLEY '80.

Mark Lederman Prize for Study of Medicine.

1979: BRUCE ALLAN VIANI '79; 1980: JOHN FRANCIS MONROE '80.

Mark Lederman Scholarships in Biology.

1979: SUSAN ANNE MANTER '80, ELISABETH RUTH OBER '81; 1980: CHAI HOON OOI '81, DIANE MARLENE ZAVOTSKY '82.

William A. Rogers Prize in Physics.

1979: MARK IRVING LAKE '80; 1980: GLENN ARTHUR HERDEG '81.

PHILOSOPHY *John Alden Clark Essay Prize in Philosophy and Religion.*

1979: NICHOLAS TROWBRIDGE MENCHER '79; 1980: JAMES VANDER-MARK LOWE '80.

Stephen Coburn Pepper Prize in Philosophy.

1979: DAVID MULLANEY RICE '79; 1980: JAMES VANDERMARK LOWE '80.

PSYCHOLOGY *E. Parker Johnson Prizes in Psychology.*

1979: MARC ALAN GARCIA '79, ANGELA DENISE MICKALIDE '79; 1980: ALICE DIANE DOMAR '80, JANE ANN SULLIVAN '80.

PUBLIC SPEAKING *Coburn Speaking Prizes.*

1st Prize: 1979: ALISA LYNNE DIEHL '82; 1980: BRENDA LEE BOWEN '80.

2nd Prize: 1979: BRENDA LEE BOWEN '80; 1980: JOHN JOSEPH FOSTER '81.

3rd Prize: 1979: SCOTT RUDISILL SOPHOS '82; 1980: FRANK WIRMUSKY '81, NANCY LOUISE BRIGGS '83.

Goodwin Public Speaking Prizes.

1st Prize: 1979: LAUREL ANNE JOHNSON '79; 1980: TIMOTHY SCOTT SPRINGER '81.

2nd Prize: 1979: SCOT CHRISTOPHER LEHIGH '80; 1980: CYNTHIA ROWLAND KOEHLER '82.

3rd Prize: 1979: JAMES FOX TRUMM '81; 1980: JONATHAN SALEM BASKIN '82.

Extemporaneous Competition.

1st Prize: 1979: SCOT CHRISTOPHER LEHIGH '80; 1980: not held.

2nd Prize: 1979: LAUREL ANNE JOHNSON '79.

3rd Prize: 1979: RICHARD WILLIAM HIGHLAND '80.

Hannibal Hamlin Speaking Prize.

1979: not held; 1980: not held.

Herbert Carlyle Libby Prize.

1979: not held; 1980: not held.

Montgomery Interscholastic Speaking Contest Prize.

1979: not held; 1980: not held.

Murray Debating Prizes.

1979: DAVID CHARLES MARCUS '82, RALPH WALDO PETERSON III '79;

1980: SCOT CHRISTOPHER LEHIGH '80.

SOCIOLOGY *Albion Woodbury Small Prizes.*

1st Prize: 1979: RICHARD JOHN SCHREUER '79; 1980: not awarded.

2nd Prize: 1979: CORINNA LOUISA BOLDI '79.

3rd Prize: 1979: ELIZABETH SPRAGUE MAYNARD '79.

GENERAL ATHLETICS *Marjorie D. Bither Award (outstanding senior scholar-athlete).*

1979: MARY PHYLLIS MITCHELL '79; 1980: PATRICIA VALAVANIS '80.

Donald P. Lake Award (outstanding senior scholar-athlete).

1979: PAUL DAVID KAZILIONIS '79; 1980: DANIEL JAY OSSOFF '80.

Ellsworth W. Millett Award (outstanding contribution to athletics over four years).

1979: LEE VIRGINIA JOHNSON '79, PAUL GERARD SPILLANE, JR. '79;
1980: MARK IRVING LAKE '80.

Norman R. White Leadership and Sportsmanship Award.

1979: AMY JANE DAVIDOFF '79, DOUGLAS STEPHEN LEWING '79; 1980:
JOSEPH FAULSTICH '80, CHRISTINE ELIZABETH JACKSON '80, GEORGE
PORTER DOLAN '80.

MEN'S ATHLETICS *J. Seelye Bixler Award in Track.*

1979: JOHN LAWRENCE CRISPIN '79; 1980: DANIEL JAY OSSOFF '80.

James Brudno Award in Track.

1979: DANIEL JAY OSSOFF '80; 1980: DAVID TODD COFFIN '83.

Coaches' Awards.

Baseball: 1979: PETER JOSEPH COCCIARDI '81, JEFFERY THAYER DAVIS
'81, ROBERT BRIAN MCPHERSON '81; 1980: JEFFERY THAYER DAVIS
'81, JEFFREY SCOTT PARADIS '83.

Basketball: 1979: JONATHAN CURTISS COVELL '80, MARK IRVING LAKE
'80; 1980: not awarded.

Football: 1979: STEVEN ANTHONY CELATA '79, GERARD PAUL TEEVEN
'79; 1980: DONALD RICHARD BOWMAN '80, WILLIAM ERIC PULLEN '80.

Hockey: 1979: PATRICK DENNIS MURPHY '81; 1980: DANIEL JAMES
O'HALLORAN '80.

David W. Dobson Memorial Skiing Award.

1979: JOHN HARDIE DENSMORE '81.

Peter Doran Award in Track.

1979: PAUL DAVID KAZILIONIS '79; 1980: DANIEL JAY OSSOFF '80.

Ewell-Steinberg-Goodhope Lacrosse Award.

1979: CHRISTOPHER LEDBETTER BAUER '81; 1980: RICHARDSON
CHARLES WHITE '80.

Paul F. "Ginger" Fraser Award for a Nonletterman in Football.

1979: DAVID CHARLES MARCUS '82; 1980: JOHN SALVATORE INTRAVIA
'83.

Free Throw Award in Basketball.

1979: THOMAS JOHN ZITO '81; 1980: DAVID JOHN HARVEY '80.

Sam Koch Soccer Award.

1979: not awarded; 1980: MICHAEL JAY SCHAFFER '83.

Lacrosse Awards.

Most Improved Player: 1979: PATRICK JOSEPH FORTIN '82; 1980: SHOTA
AKI '82.

Most Valuable Players: 1979: JEREMIAH STANIFORD BURNS, JR. '81,

ROBERT CHARLES POMEROY '79; 1980: JOEL DANIEL CASTLEMAN '81,
PATRICK JOSEPH FORTIN '82.

Robert LaFleur Memorial Basketball Awards.

1979: MICHAEL PATRICK MCGEE '81; 1980: DAVID JOHN HARVEY '80,
MARK IRVING LAKE '80.

Gilbert F. "Mike" Loeb's Soccer Award.

1979: DAVID SCOTT LALIBERTY '79; 1980: RICHARD CARLTON MUTHER
'81.

Ellsworth W. Millett Hockey Award.

1979: EDWARD WILLIAM OFRIA '81; 1980: JOSEPH FAULSTICH '80.

Most Valuable Defensive Player in Football Award.

1979: not awarded; 1980: BRUCE KEVIN STOKES '81.

Most Valuable Offensive Player in Football Award.

1979: JOSEPH ANTHONY CIOTA '80; 1980: not awarded.

Cy Perkins Track Award.

1979: DANIEL JAY OSSOFF '80; 1980: JAMES FRANCIS O'GRADY '82.

Edward C. Roundy Memorial Baseball Award.

1979: PAUL GERARD SPILLANE, JR. '79; 1980: PAUL RICHARD BELANGER
'81.

Mike Ryan Track Award.

1979: JOHN LAWRENCE CRISPIN '79; 1980: BRIAN EDWARD RUSSELL '82.

Theodore N. Shiro Basketball Awards.

1979: JEFF GRANT DOUGLAS '81, ROBERT ALAN REYNOLDS '81; 1980:
ROBERT JAMES PATIENCE '82.

Squash Award.

Most Valuable Player: 1980: GLEN ALAN CORAL '80.

Herbert E. Wadsworth Football Award.

1979: ROBERT STEPHEN DORVAL '79; 1980: FRANK HAWKINS SEARS '81.

Robert "Tink" Wagner Baseball Award.

1979: JOHN HENRY DONEGAN '81; 1980: THOMAS JOSEPH MCGILLICUD-
DY '83.

Norman E. Walker Hockey Award.

1979: BRIAN JOSEPH MCGRATH '82; 1980: JAMES WILLIAM DOHERTY
'83.

Matthew Zweig Award.

1979: not awarded; 1980: MARK IRVING LAKE '80.

WOMEN'S ATHLETICS *Basketball Awards.*

Most Improved Player: 1979: SUSAN LEE KALLIO '82; 1980: award goes to
the whole team.

Most Valuable Player: 1979: JANICE ELLEN BARKER '79; 1980: PATRICIA VALAVANIS '80.

Cross-country Award.

Most Valuable Runner: 1979: KAREN ELIZABETH SONDERGELD '81; 1980: ANN LOUISE CULLENBERG '83.

Field Hockey Award.

Most Improved Player: 1980: NANCY ALICE CHAPIN '80.

Most Valuable Player: 1979: HILLARY ANNE JONES '79; 1980: SUSAN MARIE MEYER '81.

Ice Hockey Awards.

Most Improved Player: 1979: SARA STILLMAN BUNNELL '81; 1980: LEAH MARIE MAHER '82.

Most Valuable Player: 1979: LEE VIRGINIA JOHNSON '79; 1980: KATHERINE VIRGINIA COWLES '82.

Captain's Cup for Team Spirit: 1979: not awarded; 1980: SARA STILLMAN BUNNELL '81.

J. V. Field Hockey Awards.

Most Improved Player: 1979: not awarded; 1980: HEATHER L. MACDUFFIE '82.

Most Valuable Player: 1979: NANCY ALICE CHAPIN '80; 1980: not awarded.

J. V. Lacrosse Awards.

Most Improved Player: 1979: AVA-MARIE STONE '79; 1980: BRIGID RACHEL MCCARTHY '83.

Lacrosse Award.

Most Valuable Player: 1979: HILARY KATHERINE LARABA '81; 1980: HILARY KATHERINE LARABA '81.

Skiing Award.

Great Sportsmanship Award: 1979: ELIZABETH LLEWELLYN KOUCKY '79.

Soccer Awards.

Leadership Awards: 1980: ANNE ELIZABETH HUSSEY '80, PAMELA JEANNE WOODS '81.

Most Improved Player: 1980: KATHLEEN ANNE SHEA '82.

Most Valuable Players: 1980: JEFFRA ANN BECKNELL '82, MARY ELIZABETH GLENN '82.

Softball Award.

Most Valuable Player: 1980: PATRICIA VALAVANIS '80.

Spring Outdoor Track Award.

Coaches' Award: 1980: LAURA JEAN YOUNG '82.

Most Valuable Runner: 1979: NANCY JOAN LELAND '81; 1980: MARGARET ELLEN TUPPER '83.

Squash Award.

Most Valuable Player: 1980: ELIZABETH CATHERINE JOHNS '82.

Swimming Award.

Most Valuable Swimmer: 1980: WENDELL LISANNE SHAFFER '82.

Tennis Awards.

Most Improved Players: 1979: AMY JANE DAVIDOFF '79, BEVERLY FAYE NALBANDIAN '80; 1980: BRIGID RACHEL MCCARTHY '83.

Most Valuable Players: 1979: JANET GRAY DWIGHT '79, AMY ELLINWOOD PARKER '81; 1980: MAURA ANNE SHAUGHNESSY '83.

Winter Indoor Track Award.

Most Valuable Runner: 1979: not awarded; 1980: LIZABETH ANNE MURPHY '83.

Interviewers for Admission 1980-81

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Watertown 13601

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Gouverneur 13642

Mr. Curtis M. Johnson '75
1756 Hertel Avenue
Buffalo 14216

Mr. Herrick Drake, Jr. '75
22 Granger Place—Upper
Buffalo 14222

Mr. Robert Grossman '68
320 Canterbury Road
Rochester 14607

Mr. Philip McCahill '75
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Clintwood Apartments
Rochester 14620

Mr. Peter M. Labombarde '76
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Dr. David McKeith '55
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Ithaca College
Ithaca 14850

NORTH CAROLINA

Mrs. Evangeline S. Getzen '52
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Raleigh 27608

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Raleigh 27609

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Mr. George S. Wales '51
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3082 Elbern
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Mr. J. Philip Bruen '77
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Kent 44240

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PENNSYLVANIA

Mrs. Douglas F. Bevin '58
131 Fayette Street
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Dr. Arthur Goldschmidt, Jr. '59
1173 Oneida Street
State College 16801

Mrs. Sarah P. McIntosh '59
25 Wall Street
Bethlehem 18015

Dr. David S. Crocket '52
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Mr./Mrs. Daniel H. Traister '63/'65
153 Jonathan Drive
Easton 18042

Mr. Bill Ferretti '65
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Allentown 18103

Ms. Jan Morris '79
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West Pittston 18643

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Doylestown 18901

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Ambler 19002

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Villanova 19085

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RHODE ISLAND

Mr. Norval E. Garnett '51
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Mr. John S. Baxter '58
41 Fiume Street
Pawtucket 02860

Mr. Courtney L. Davis '60
Box 63
Saunderstown 02874

Mr. John C. Edes '58
1 Greene Street, 2nd Floor
Providence 02901

Mr./Mrs. Michael J. Szostak '72/'72
230 Eighth Street
Providence 02906

Mr. Robert McCaughey, Jr. '77
62 Riverside Drive
Riverside 02915

SOUTH CAROLINA

Ms. Meredith Turner '78
304 Fairway Drive
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TEXAS

Miss Linda K. Wackwitz '72
1618 Masswood Circle
Garland 75042

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Dallas 75205

Mr. James S. Hall '50
3928 Royal Palms Court
Dallas 75234

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162 Plantation Road
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Houston 77042

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Houston 77057

VERMONT

Miss Priscilla Bondy '77
R.F.D. 1
South Royalton 05068

Mr. William B. Williamson II '71
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Saxtons River 05154

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Brattleboro 05301

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Winooski 05404

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Mrs. Ann R. Starr '67
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Mrs. Milton Sokoll '53
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1900 Columbia Pike
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Mrs. Kevin McCarthy '73
3723 Lyons Lane
Alexandria 22302

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Richmond 23226

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Mercer Island 98040

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Seattle 98103

Mrs. Brewster H. Gere, Jr. '66
2315 18th East
Seattle 98112

Mr./Mrs. David Galvin '75/'75
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Seattle 98115

Mrs. Donald G. Sachs '45
17820 4th, Southwest
Seattle 98166

Mrs. Jeremy Mattox '64
2591 Perkins Lane, West
West Seattle 98199

WISCONSIN

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Bangkok

WCBB-TV

WCBB-TV, a public television station, is licensed to the Colby-Bates-Bowdoin Educational Telecasting Corporation, formed by the three colleges in 1961. Offices and studios are in Lewiston. At the time of its founding, WCBB-TV was the first educational television station in Maine, the third in New England, and the sixth in the nation.

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College Calendar 1980-81

FIRST SEMESTER

Thursday, September 4	Freshman program begins
Sunday, September 7	Upperclass registration
Monday, September 8	First classes
Friday-Sunday, October 3-5	Weekend for families of sophomores, juniors, and seniors
Friday, October 17	Midsemester
Monday, October 20	Midsemester break (no classes)
Friday-Sunday, October 24-26	Homecoming weekend
Friday-Sunday, October 31-November 2	Weekend for families of freshmen
Friday, November 21, 5:30 p.m. to	Thanksgiving recess (residence halls closed)
Monday, December 1, 8:00 a.m.	
Friday, December 12	Last classes of the first semester
Monday, December 15 <i>through</i>	Semester examinations
Saturday, December 20	
Sunday, December 21	Make-up examinations
Monday, December 22	Christmas recess begins (residence halls closed)
Monday, January 12 <i>through</i>	January program
Friday, February 6	

SECOND SEMESTER

Tuesday, February 10	Registration
Wednesday, February 11	First classes
Thursday, March 26	Midsemester
Friday, March 27, 5:30 p.m. to	Spring recess (residence halls closed)
Monday, April 6, 8:00 a.m.	
Monday, May 4 <i>through</i>	Optional reading period for 300 and 400 courses
Friday, May 15	
Friday, May 15	Last classes of the second semester
Saturday, May 16	Last day for scheduled events
Tuesday, May 19 <i>through</i>	Semester examinations
Monday, May 25	
Tuesday, May 26	Make-up examinations
Sunday, May 31	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.

1980

S M T W T F S

JULY

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1981

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1982

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OCTOBER

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NOVEMBER

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DECEMBER

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Colby College

Waterville, Maine 04901

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