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# COLBY COLLEGE BULLETIN

*Catalogue, May 1976*



BY  
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# COLBY COLLEGE BULLETIN

*Catalogue, May 1976*

Colby  
10  
1976/1977

WATERVILLE, MAINE

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

ACADEMIC COUNSELING

OFFICE OF THE DEAN OF STUDENTS

ADMISSION

HARRY R. CARROLL, *Dean of Admissions*

ADULT EDUCATION AND  
SUMMER PROGRAMS

ROBERT H. KANY, *Director of the Division of Special  
Programs*

BUSINESS MATTERS

DANE J. COX, *Treasurer*

CENTER FOR COORDINATED  
STUDIES

E. PARKER JOHNSON, *Director*

HEALTH AND MEDICAL CARE

CARL E. NELSON, *Director of Health Services*

HOUSING

JANICE SEITZINGER, *Assistant Dean of Students*

JANUARY PROGRAM

DORIS L. DOWNING, *Assistant to the Dean of Faculty*

RECORDS AND TRANSCRIPTS

GEORGE L. COLEMAN II, *Registrar*

SCHOLARSHIPS, EMPLOYMENT,  
AND PLACEMENT

SIDNEY W. FARR, *Director of Financial Aid and Career  
Counseling*

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Mailing address: Colby College, Waterville, Maine 04901.

Telephone: (207) 873-1131.

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

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

Colby College is an equal opportunity employer with an affirmative action program.

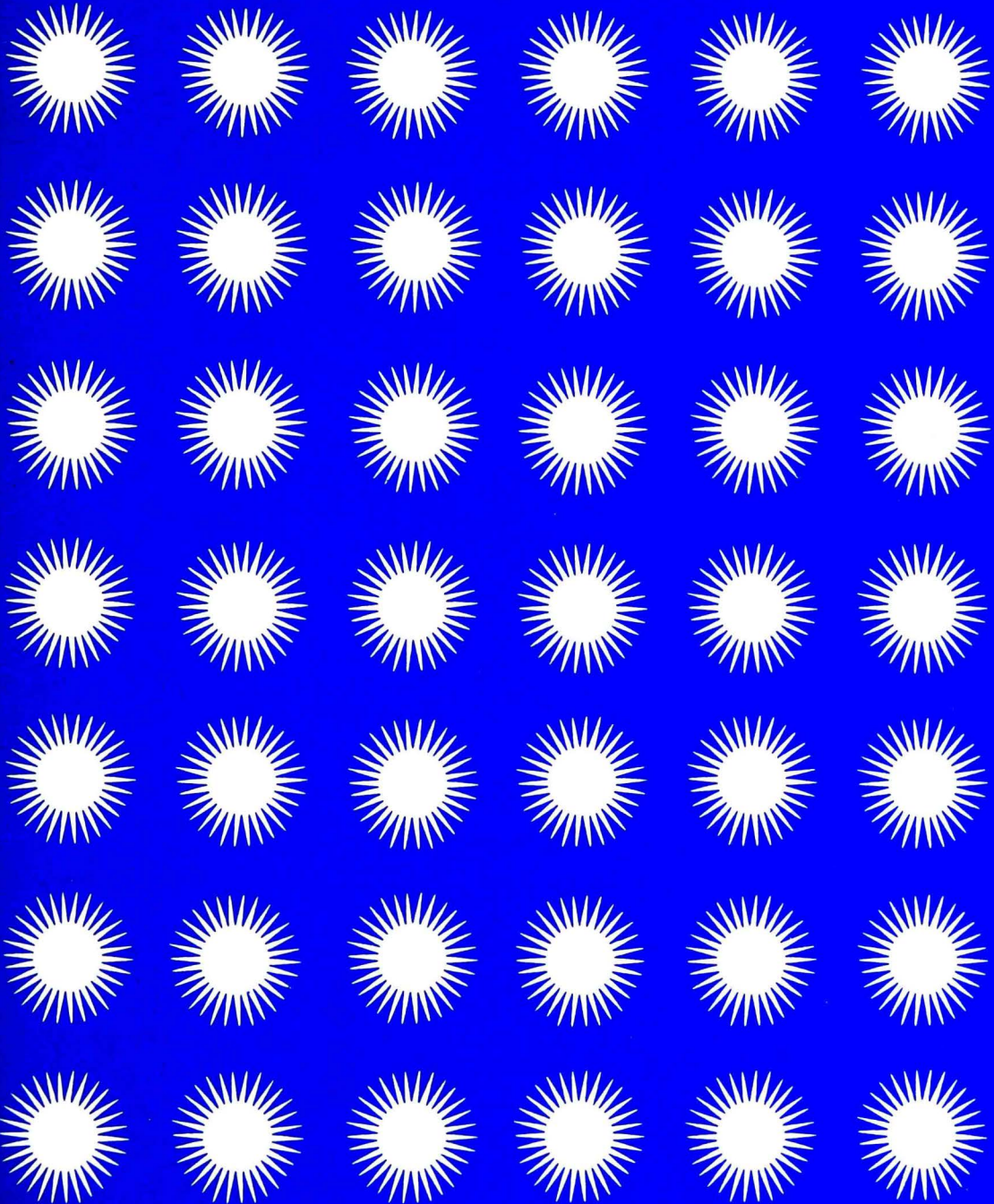
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NUMBER 3

MAY 1976

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# COLBY COLLEGE LIBRARY



WATERVILLE, MAINE

COLBY  
10 1976/77

# 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	1,607 (opening, 1975).
FACULTY	140 full- and part-time.
ENDOWMENT	\$28,732,939 (market value as of June 30, 1975).
LIBRARY	330,000 volumes and 28,800 microtexts; 1,100 current subscriptions to periodicals.
ACCREDITATION AND MEMBERSHIPS	Accredited by the New England Association of Schools and Colleges and the American Chemical Society. Member of the College Entrance Examination Board, the Association of American Colleges, the American Council on Education, and The Research Institute of the Gulf of Maine. Colby is a corporate member of the American Association of University Women and has a campus chapter of the American Association of University Professors. The Colby chapter of Phi Beta Kappa was founded in 1895.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded wood-pulp products, shirts, plastics. Bus service: Greyhound Lines. Robert LaFleur Airport served by Air New England. On U.S. Interstate Highway 95, connecting with Maine Turnpike at Augusta.

# Colby Yesterday and Today

## HISTORY OF COLBY COLLEGE

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

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

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

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

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

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



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

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

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

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

The growth of Colby since the transfer to Mayflower Hill has been striking. On 900 acres there are now forty 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 140. Endowment has increased from three million to twenty-eight 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

# The Campus

In 1952 Colby completed the move from its original campus in downtown Waterville to Mayflower Hill, two miles west of the city. Today forty buildings stand on a campus of 900 acres, one of the most modern and beautiful in the nation.

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

At the center of the campus is Miller Library, described on following pages.

The Keyes and Life Sciences buildings provide facilities for science programs, with special collections, a seismograph, reference libraries, laboratories, and conference rooms. Complete renovation of these two buildings, along with construction of a new science building, will support a program commensurate with the growing student enrollments in science at Colby. The Webster Chester Teaching Museum contains collections of birds, shells, mammalian skulls, and various invertebrates and plants.

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

Administration offices are housed in the Eustis Building.

The Bixler Art and Music Center has classrooms, studios, an art and music library, auditorium, rehearsal hall, and practice and listening rooms. The center was expanded in 1973 with the opening of a new Museum of Art and the Lenk Building, housing 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 on campus. Classes are distributed equally through all eighteen dormitories, some of which are coeducational (men and women on separate corridors). In addition to these dormitories, there are eight fraternity houses on campus. In

special circumstances, some students have the option of living off campus. There are four coeducational dining halls.

A new student health center opens in the fall of 1976, which will permit the closing of an infirmary in Roberts Union so that building may be renovated to become a complete student center.

The Ninetta M. Runnals Union is undergoing a major renovation to provide a center for the performing arts. In addition to a 268-seat theatre, the center will include workshops, dressing rooms, a greenroom, and a studio for the dance.

Indoor sports facilities are contained in the new 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 three tennis courts), the Dunaway Squash and Handball Courts (consisting of seven singles and one doubles), the swimming pool, and a weight training room.

Outdoors there are some fifty acres of playing fields: two football fields, two baseball diamonds, two soccer fields, fourteen tennis courts, and space for field hockey, archery, and informal games. Community facilities include bowling lanes and riding stables. Approximately three miles from campus, the college owns a ski area, which has a T-bar lift, lighted slope, jump, lodge, and snowmaking equipment.

The entire Mayflower Hill campus has been designated by the Maine legislature as a State Wildlife Management Area.

Part of the woodland surrounding the campus 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.

# The Library

The Miller Library, focal point of the campus, furnishes printed and audiovisual materials for assigned and recreational reading, reference, research, and independent study. Reading rooms and individual carrels provide study areas for more than a quarter of the student body. The building is open from early morning until late at night each day during the academic year.

An open-stack system allows browsing through the collection of 330,000 volumes. The microfilm collection is extensive, and the library has subscriptions to more than 1,100 journals. The federal government supplies many of its publications, and a regional document library provides easy access to other government publications. The library is a member of the New England Library Information Network and is affiliated with the Health Services Library Cooperative of Maine.

Special collections of first editions and manuscripts in the Colby library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the famous Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy collection, also in the room, is the most extensive in this country. Other authors represented in the Robinson Room include E. A. 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. This includes numerous inscribed copies, manuscripts, and holograph letters of William Butler Yeats, Sean O'Casey, James Joyce, George Bernard Shaw, and many others.

The Academy of New England Journalists has established its archives in Miller Library. The Academy Room also contains current issues of some thirty-five daily newspapers.

The Colby Library Associates is an organization of friends of the library, many of long standing, representing both students and faculty. Dues are used to purchase books and manuscripts 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, and music. The Division of Social Sciences includes administrative science, economics, education, government, history, philosophy, psychology, religion, and sociology. In the Division of Natural Sciences are astronomy, biology, chemistry, geology, mathematics, and physics. The Division of Physical Education and Athletics, besides offering courses, administers the intercollegiate athletic and intramural sports programs.

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

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## THE STUDENT'S PROGRAM

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

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

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

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

dations and requirements of areas in which he might later wish to major.

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GRADUATION  
REQUIREMENTS

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

**QUANTITY** A minimum of 120 semester credit hours, at least 105 of which (hereafter called “basic credits”) must be earned in conventionally graded academic courses or specifically designated non-graded courses (see also FLEXIBLE CREDITS, below).

**QUALITY** A minimum of 210 quality points in 105 basic credit hours. For each credit hour, a mark of *A* entitles the student to four points, a mark of *B* to three points, a mark of *C* to two points, and a mark of *D* to one point. 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 English 152.
- B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of four ways:
- (1) Giving evidence of satisfactory achievement in a foreign language taught at Colby by attaining before entrance a score of sixty in a College Entrance Examination Board foreign language achievement test.
  - (2) Successful completion of three credit hours in courses numbered above 113 in an ancient or modern foreign language offered at Colby College, with the exception of critical language courses numbered 191, 192, 193, German 117, and Spanish 117.
  - (3) 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.

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

## II AREA REQUIREMENTS

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

## III AREAS

### A. HUMANITIES

Art

Classics (except Ancient History)

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

Greek

Latin

Modern Foreign Languages (above the intermediate level)

Music

Philosophy and Religion (certain courses: Religion 223, 224, 321, 322, 351, 352, 353, and 358; Philosophy 313, 355, 356, and 372; philosophy and religion seminars when topics are relevant)

Physical Education 241, 242

### 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** Completion of freshman physical education requirements are required for graduation.

**RESIDENCE** Candidates for the degree must earn in residence at least sixty credit hours, including fifty-three basic credits. 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. No credit hours accrue from such examinations.

**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.

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 cumulative points in courses completed toward the major fall below a certain scale loses his right to continue with that major. The required scale is as follows: 1.5 grade point average for the first two courses; two points for each credit hour thereafter.

Each department or program designates the courses to which the point scale applies for its major. A student below the point scale may, with the consent of the department or program concerned, be accepted or retained for one semester as a probationary major.

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

#### INTERDEPARTMENTAL MAJORS

Approved interdisciplinary majors are offered in the following areas:

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

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

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

#### INDEPENDENT MAJORS

A student may design an independent major by presenting a detailed written proposal prepared with the support of an adviser who agrees to assume responsibility for the program throughout its course. Normally there will be at least one

other adviser who will help to shape and direct the program. The program must include integrated course work representing from one quarter to one third of the total credit hours required for graduation. Implementation requires the written approval of the independent major board, which is made up of the dean of the faculty, two faculty members elected from each division, and two students appointed by the Student Association. An annual report is required from each independent major and his adviser, which will include any minor changes in the program; substantial changes, or a change of adviser, must be referred to the board.

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READING PERIOD

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

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

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JANUARY PROGRAM OF  
INDEPENDENT STUDY

In the academic year 1961-62, Colby introduced an educational experiment with its January Program of Independent Study. Course work of the first semester takes place entirely between Labor Day and the beginning of Christmas vacation, and January is devoted to work distinct from the formal course of study of the first and second semesters.

Students from all four classes may enroll in "group" projects. Methods of conducting these programs differ from instructor to instructor, but each student works on a single project or problem throughout the period. Free from the conflicting demands of the usual schedule, he may pursue his thoughts and research single-mindedly, or at least with a minimum of interference. Every attempt is made to assign

students in accordance with their choices from among the topics or problems available.

Freshmen wishing to undertake an individualistic January topic outside the regular group offerings may do so provided their topics are accepted for direction by a faculty member who will be "on" in the January period when it is to be carried out, and provided that the topics are approved by the January program committee.

Individual January programs for sophomores, juniors, and seniors follow a different procedure. If a student chooses to work within his major, his program is registered with the assistant to the dean of faculty, who administers the January program, but details are arranged through the major department. For projects carried on outside the major subject area, approval by the January program committee is required in the same manner as for freshman individual plans.

Some projects may be carried on away from the campus, using facilities available at other centers, at laboratories, museums, or libraries. Each project, on or away from campus, must have departmental or committee approval, and each student is wholly responsible for meeting his obligations.

This is, in effect, not one program but many. Individual departments and instructors have a free hand to explore types of programs and methods of presentation.

Work carried out in January is graded "honors," "pass," or "fail." To be eligible for graduation, each student must successfully complete one January program for every first semester in residence, to a maximum of four. A student deficient two January programs will be placed on probation by the committee on standing.

#### SENIOR SCHOLARS

A limited number of senior scholars, selected by a faculty committee, devote a major part of their time to approved scholarly subjects. Each senior scholar pursues this work under the guidance of a faculty member, and a scholar may earn six credit hours per semester.

#### CENTER FOR COORDINATED STUDIES

The Center for Coordinated Studies is an experimentally active unit whose existence at Colby dates from 1969. It has three declared objectives: (1) to create, through interdepart-

mental programs of study, more coherent patterns for a liberal arts education, (2) to create and sustain a greater degree of responsiveness between students and faculty in the design and conduct of the curriculum, and (3) to create a more pervasive learning environment for students.

The center is not a "college within a college" with its own distinctive program and student body. It tries, rather, to function as a testing ground for approaches that may help the student break down walls between life and learning, and bridge the gaps among the islands of knowledge.

Located in coeducationally grouped residence halls, the center provides classrooms, offices, and living and dining areas. Students and faculty members shape and combine courses of study within areas of common interest. Thus, groups have focused, at various times, on such cross-departmental topics as: *Studies in Behavior* (biology and psychology); *Literature and Politics*; *Homer and History*; *The Concept of Evolution—Its Impact on Thought and History*; *Bilingual and Bicultural Studies*; *Existential Thought and Literature*. Areas, and the courses within them, undergo continuous modification and change. A student, whether he elects to continue his college program within one of the traditional disciplines, pursues an interdisciplinary major (a frequent choice of center students), or exercises Colby's new independent major option, should, after enrollment in the center, proceed with a richer understanding of the inter-relatedness of all of man's endeavors.

Students who join the center should plan to devote a good portion of their academic schedules and their energies to its activities, and demonstrate a continuing, active concern for both the living arrangements and the educational programs.

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#### COMPUTER RESOURCES

Colby has a PDP-11/50 computer housed in the computing center in the Lovejoy Building. Time-sharing terminals are provided at several locations on the campus. These facilities are available for student use. Those who elect elementary mathematics courses are required to use the computer as a problem-solving tool. Many courses in the natural and social sciences make use of the computing facilities for a wide range of applications. Orientation sessions in the use of the terminals

and general programming are available to all interested students.

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#### FOREIGN STUDY

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

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

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

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.

The committee administers the Harold D. Walker Scholarship Grants for study and travel in Latin America and the French Government Scholarship Fund for study abroad in French language and literature.

## EXCHANGE PROGRAMS

A student exchange program was begun in 1960-61 between Colby and Fisk University. Each student pays regular tuition and board-and-room charges at his home college, though residing and studying at the other institution. The only major added expense is for travel. A similar exchange program is conducted with Pomona College in California. Ordinarily, exchanges are arranged for a single semester of the junior year. A course exchange program is in effect with Thomas College in Waterville. Students may obtain information from the committee on foreign study and student exchange programs.

## OFF-CAMPUS PROGRAMS

Colby is a member institution in the Institute for Off-Campus Experience and Cooperative Education, which administers the College Venture Program. This program is designed to give a limited number of qualified students work experience in their major field of interest prior to graduation. Students approved for the program take a leave of absence for the period of the off-campus experience and may, with prior approval by a college department, receive academic credit. Each student earning Colby credits in this or an independently developed field-experience program is charged an administrative fee.

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

## 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 apply for admission and financial aid through the Institute of International Education office in their country. Students from countries not served by IIE should apply directly to the dean of admissions at Colby.

Applicants whose mother tongue is not English will usually be required to take the Test of English as a Foreign Language (TOEFL). The foreign student adviser at Colby is Jonathan Weiss of the department of modern foreign languages.

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#### REGISTRATION

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

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

Before registration for any semester, each student must secure from the treasurer's office a receipt for the tuition fee and any other required advance payments and present these at the registrar's office.

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

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#### ELECTION OF COURSES

Each spring, with the approval of their advisers, students elect programs of study for the ensuing year; these elections, with approved revisions, are confirmed during the fall registration period. 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. A continuing student registering in the fall is fined \$2 per credit hour if he fails to make spring election.

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.

No student may elect more than eighteen hours unless a six-course program exceeds this total. No student whose overall grade-point average in all courses taken in the previous semester is below 1.8 may elect more than fifteen hours unless a five-course program exceeds this total. The only exception is that a student who is not eligible by this rule, but who must have the extra credit hours to complete his degree requirements, may elect in one semester of his senior year one course in excess of these limitations.

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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.

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PASS/FAIL

Students may elect to take a limited number of courses on a pass/fail basis (see FLEXIBLE CREDITS, above). 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.

Students graduating under the 105-credit-hour and eight-semester-residence requirement must meet all graduation requirements in conventionally graded courses; only electives beyond 105 credit hours may be taken pass/fail.

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 volun-



tarily revoked. Letter grades submitted by instructors will be converted to *P* (for grades *A* through *D*) or *NP* before being posted on permanent record cards. No information about the “quality” of a *P* will be released by the registrar’s office, even upon request of the student himself.

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#### AUDITING COURSES

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

Adults who are not students of the college may register to audit courses at a fee of \$5 each semester for each credit hour, provided they obtain written consent of the instructor and of the dean of admissions. Members of the college staff and their spouses may register with the approval of the dean of the faculty to audit courses, and take for credit one course without charge. Permission to audit will be withheld if the class is already too large and if auditing applications for it are numerous.

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

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#### EXAMINATIONS

At the close of each semester, a period of 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. An excused student may be examined at a later date convenient to the instructor but not later than January 15 for the first semester and August 30 for the second semester. 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.

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#### 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-four; senior, more than eighty-four.

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 in letter grades of *A*, *B*, *C*, *D*, *E*, *F* 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 in-

structor, but the only official record is that in the registrar's office. 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 year 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 an *E* to a passing mark, as determined by the department concerned.

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

A mark of *Cr.* indicates that a student has been awarded credit but no specific mark for a course. Such courses are identified in the description as "nongraded."

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 whether progress is satisfactory. The faculty has endowed this committee with full power to deal with these matters.

#### WITHDRAWAL

Voluntary withdrawal from the college may be effected officially by filing a notice of withdrawal properly approved by the treasurer and the dean of students; the official form may be obtained from the dean. The date on the approved notice of withdrawal is the basis for computing any refunds that may be due. A student who leaves the college and neglects to effect official withdrawal until later cannot collect a refund for the elapsed interval.

#### 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, there are restrictions detailed in the section on the RESIDENCE requirements (*q. v.*) that 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) 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.

(3) 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 college admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other college-administered programs.

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

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

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## APPLICATION PROCEDURE

(1) Candidates submit applications provided by the admissions office prior to February 1 of the year admission is desired. A nonrefundable fee of \$20 accompanies each application.

(2) Colby grants early decision to well-qualified candidates under a common early-decision program subscribed to by a number of colleges. Applicants submit application papers, junior SAT's, and three achievement tests prior to November 1, including a statement that Colby is the student's first choice, that early decision is requested, and that the candidate will enroll if admitted, provided that adequate financial aid as determined by the Parents' Confidential Statement is

granted. 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 by Colby.

College notification of action is normally given no later than December 15, and successful candidates are exempted from further admissions tests except for placement purposes. Successful applicants for financial aid are notified of the amount of the award at the time of acceptance, provided the financial aid forms are complete. Candidates who are not 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.

(3) Interviews are not required, although applicants who have not visited the campus are encouraged to do so, and guides are provided weekdays and on Saturday mornings when the college is in session. Opportunities to meet with representatives of the admissions office are available except during February, March, and April. Individual appointments may be made upon request except during the period noted above and should be scheduled well in advance. The college will provide the names of alumni representatives for applicants living some distance from Waterville.

(4) The schedule for admission applicants is:

*November 1:* Deadline for filing for early decision and financial aid for early decision applicants.

*December 15:* Notification of decisions on early decision applications.

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

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

*May 1:* Accepted applicants confirm intention to attend Colby by payment of a nonrefundable advance tuition deposit of \$100.

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All candidates are asked to submit the results of the Scholastic Aptitude Test and three achievement tests of the College Entrance Examination Board. The Scholastic Aptitude Test should be taken no later than December or January of the

senior year. The achievement tests should include English composition; the others may be of the candidate's choice. A language achievement test for placement purposes may be submitted any time prior to registration in September. A score of sixty on the language test meets the college language graduation requirement.

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**ADVANCED STANDING**

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

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**EARLY ADMISSION**

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

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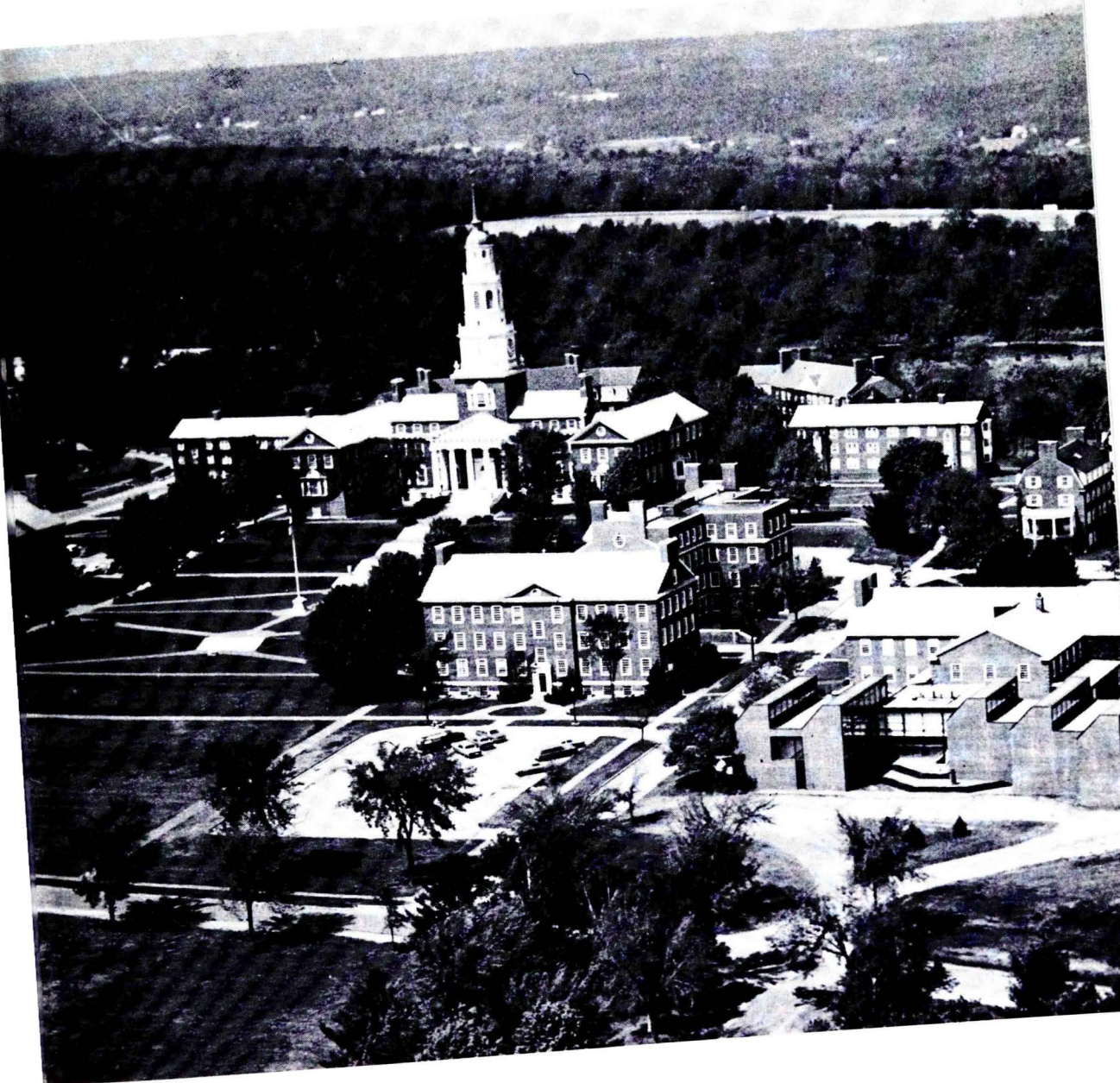
**TRANSFER STUDENTS  
AND VETERANS**

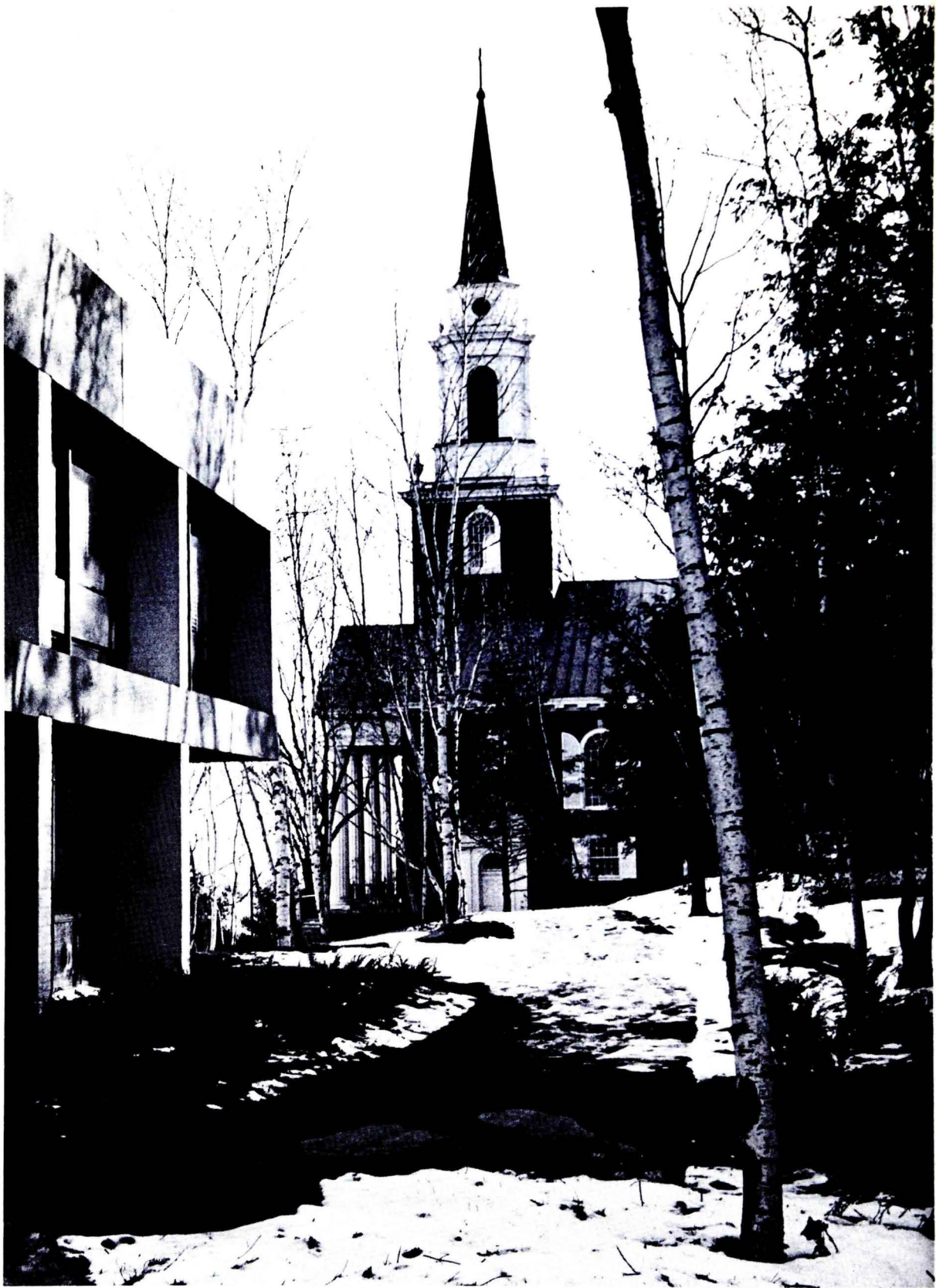
First consideration in admission is for freshmen, but some transfer students are accepted each year. Admission by transfer is normally limited to students with satisfactory academic and personal records from accredited colleges or universities.

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.





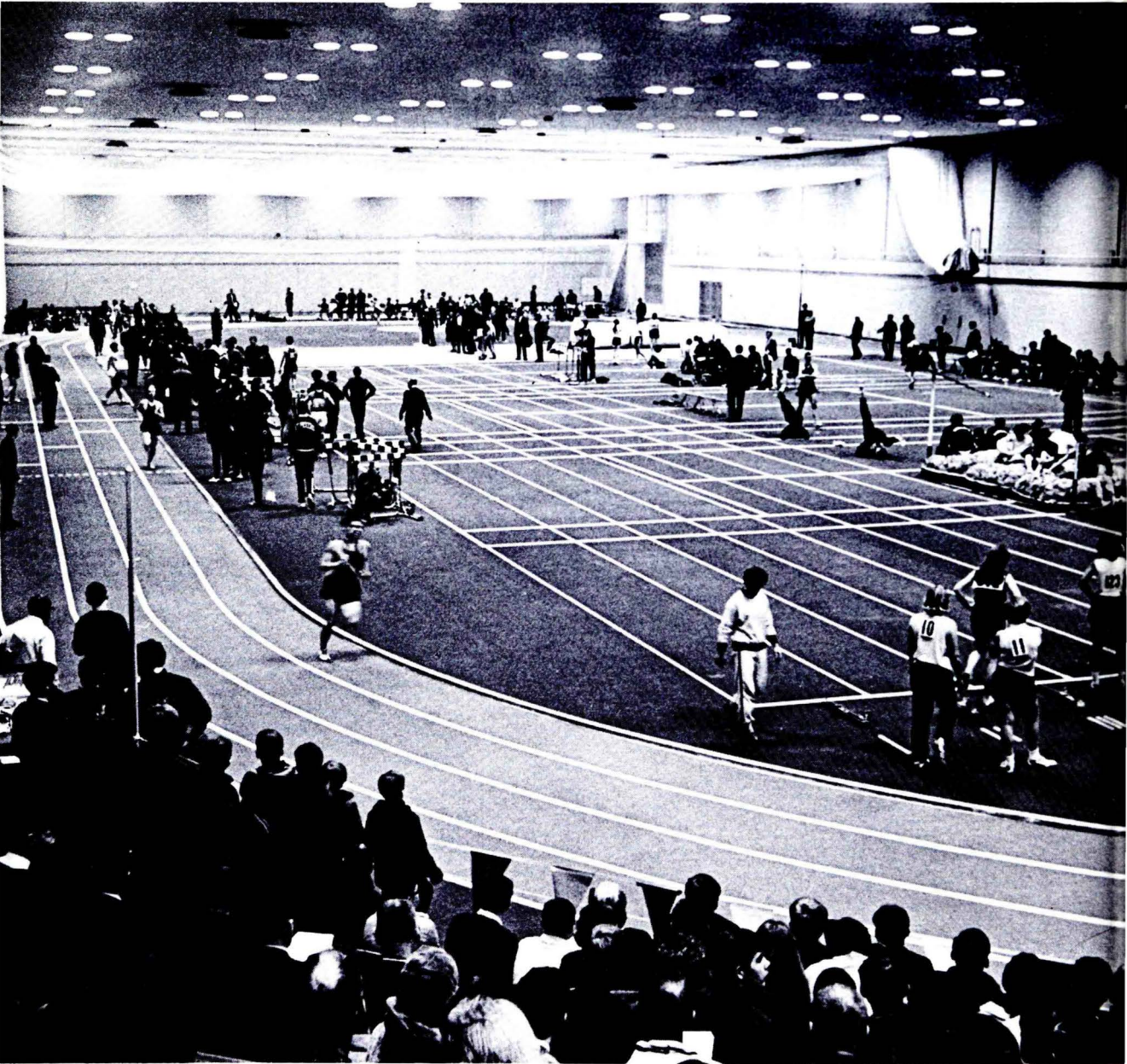


*Lorimer Chapel from Sturtevant*

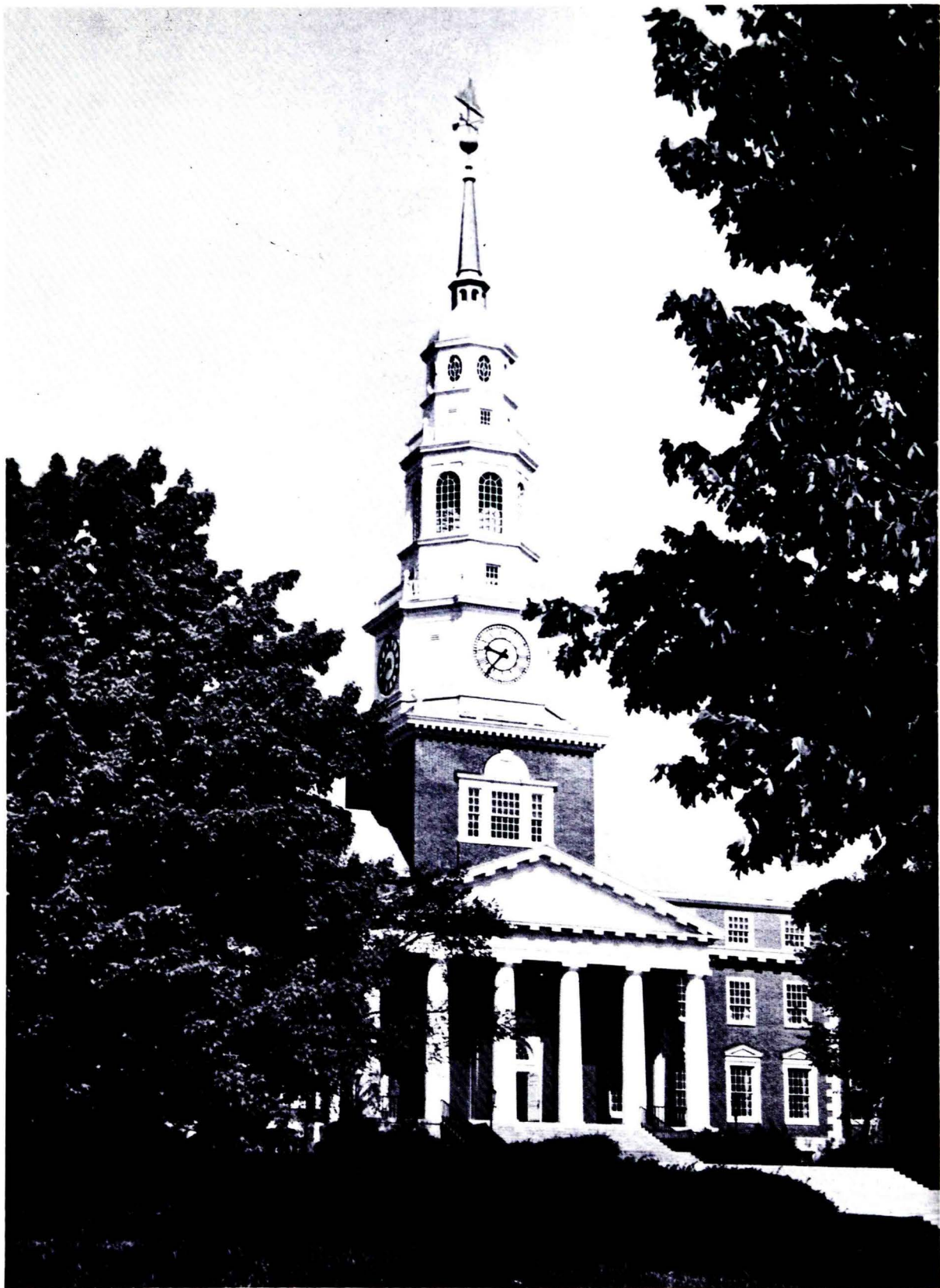
*Award-winning dormitory complex*

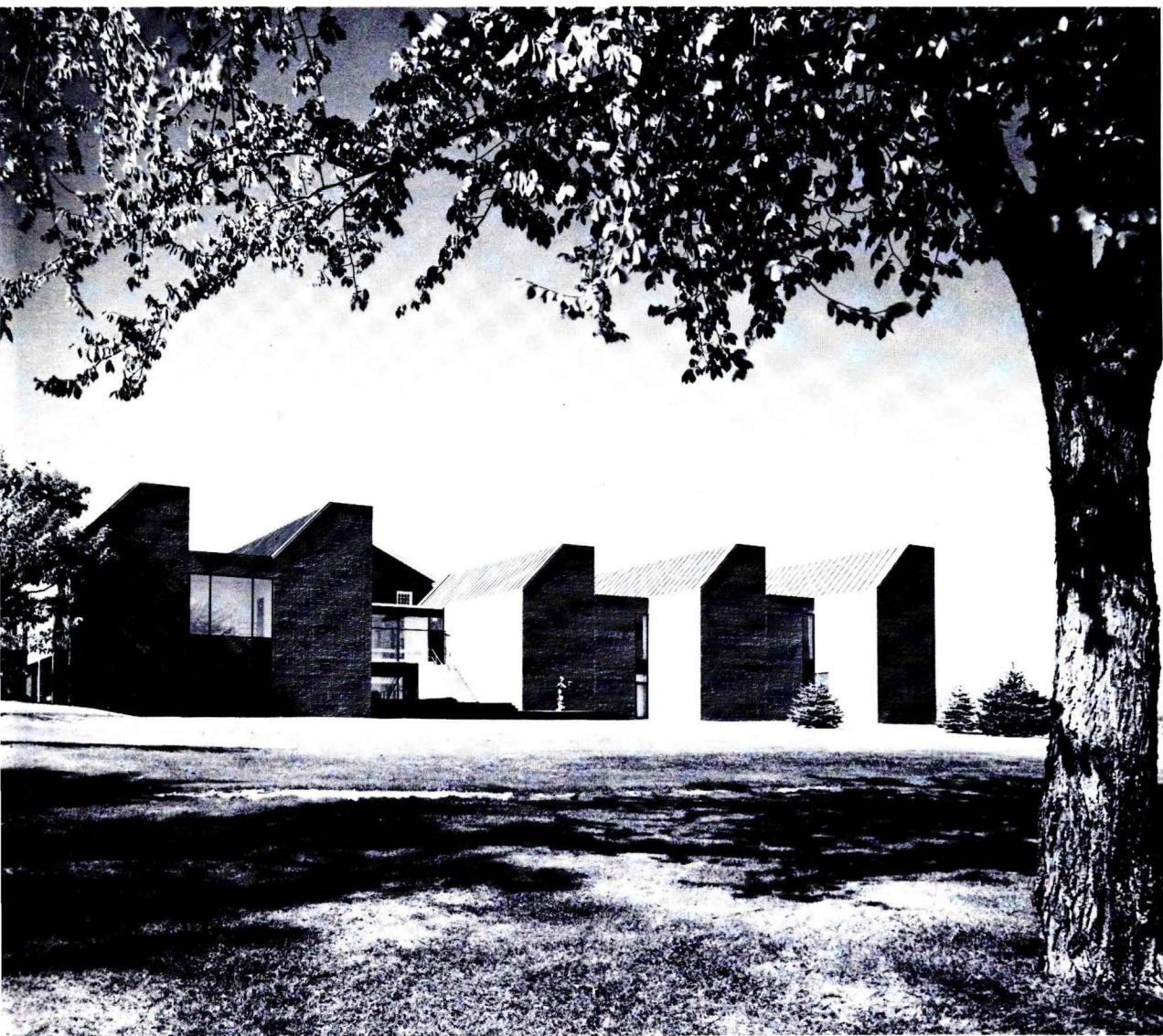


*Championship meet, Fieldhouse*









*Across Johnson Pond*





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 \$115 per credit hour. Admission of nonmatriculated students is the responsibility of the dean of admissions.

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HEALTH CERTIFICATE

Before matriculation, each student must present a satisfactory health certificate signed by a physician, including evidence of tetanus toxoid immunization and chest X rays. 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 for Freshmen

The freshman orientation program is planned with the aim of introducing students to the intellectual and social life of the college. Freshmen arrive a few days early for an orientation program. Meetings are arranged with advisers and representatives of student groups.

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## READING TESTS

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

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## PLACEMENT IN MATHEMATICS

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

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## PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1976-77 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, and 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 111, 112 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 111, 112 for credit.
- (2) If a student has had only two years of language work that terminated in the junior or senior year, he may repeat the language with credit if the department feels that the preparation received is not adequate for the 113, 114 level.
- (3) If the student has completed three years of the language, and the third year is either the junior or senior year in high school, he may not enroll in 111, 112 except with special permission of the department.

# Fees and Financial Aid

ANNUAL STUDENT CHARGES 1976-77	Tuition	\$3,300
	Board	900
	Room	600
	Dormitory Damage Deposit	15 <sup>1</sup>
	General Fee	190
		\$5,005 <sup>2</sup>

CALENDAR OF PAYMENTS 1976-77	<i>Upon acceptance for admission</i>	Admission deposit — freshmen	\$ 100
	<i>July 1</i>	Attendance deposit for first semester — upperclassmen	\$ 200
FIRST SEMESTER	<i>On or before August 31</i>	One half of annual student charges for tuition, board, and room, plus the dormitory damage deposit and the general fee for the year  (Note: Admission, attendance, and room deposits as paid may be deducted from this first semester payment; applicable miscellaneous charges should be included with the first semester payment.)	\$2,605 <sup>3</sup>
	<i>December 1</i>	First semester statement	
	<i>December 1</i>	Attendance deposit for second semester — all students	\$ 100
SECOND SEMESTER	<i>On or before January 20</i>	One half of annual student charges for tuition, board, and room  (Note: Second semester attendance deposit as paid may be deducted from this second semester payment; applicable miscellaneous charges should be included with the second semester payment.)	\$2,400 <sup>4</sup>
	<i>April 15</i>	Second semester statement	
	<i>April 15</i>	Room deposit for first semester of the following year	\$ 50

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

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

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

<sup>3</sup>Students who are permitted to eat or live off campus may deduct \$450 for board or \$315 for room and dormitory damage deposit from the amount due in advance of the first semester.

<sup>4</sup>Students who are permitted to eat or live off campus may deduct \$450 for board or \$300 for room from the amount due in advance of the second semester.

## FEES AND CHARGES EXPLAINED

**DEPOSITS** *Admission Deposit—Freshmen:* A nonrefundable deposit of \$100 is due on or before the date for confirmation of intention to attend. This deposit is deductible from the first semester payment due August 31.

*Room Deposit:* All upperclass students must, in order to reserve a room for the first semester of the following college year, make a \$50 deposit on or before April 15. This deposit will be forfeited if the student does not return to college, unless the room reservation is withdrawn on or before July 1.

*Attendance Deposit for First Semester:* A nonrefundable deposit of \$200 is required of all upperclass students on or before July 1 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 \$100 admission deposit satisfies this requirement.

*Attendance Deposit for Second Semester:* A nonrefundable deposit of \$100 is required of all students on or before December 1 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 amount of the deposit will be forfeited.

**ADVANCE PAYMENTS** *Tuition:* The tuition charge is \$1,650 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 \$125 per credit hour. Nonmatriculating students will be charged at the rate of \$125 per credit hour.

*Board:* Board in college dining halls is charged at the rate of \$450 per semester. (Increases in food costs may necessitate an adjustment in the board charge.) Payment must be made prior to each semester in accordance with the calendar of payments. All students living on campus are required to pay the board charge to the college.

*Room:* The room charge in college dormitories is \$300 per semester, payable prior to each semester in accordance with the calendar of payments. Students are expected to occupy college housing facilities to the full extent of their availability. Other arrangements may be made only with specific approval of the dean of students. Dormitory reservations are made through the office of the dean.

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

*General Fee:* The general fee is \$190 for the year and is payable in full prior to the first semester in accordance with the calendar of payments.

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

*Health Services:* The general fee (compulsory for all students) also supports the college health services. Free service in the student health center is provided during the regular academic year. Included in the general fee is sickness and accident insurance, which the college covers by separate contract with an insurance carrier. Nonboarding students are charged \$5 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

**SEMESTER STATEMENTS** Charges for miscellaneous items not paid prior to registration are included on semester statements issued December 1 and April 15. Included are charges for chemistry laboratory fee, fraternity fee, etc.

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

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

*Applied Music:* All students receiving musical instruction for academic credit under the applied-music program are charged a fee of \$60 for a one-credit course and \$100 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 \$8.75 for the first semester and \$7 for the second semester for use of these telephones.

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

Students may have official transcripts mailed to other institutions, prospective employers, or other authorized agencies by completing the transcript request form available at the registrar's office. The fee for this service is \$1 for each transcript after the first. Official college transcripts are not delivered to students. A student may have an unofficial transcript upon request; the same regulations and fee apply.

**PAYMENT OF BILLS** Tuition, board, room, dormitory damage deposit, general fee, and any other financial obligation to the college must be paid in full in accordance with the CALENDAR OF PAYMENTS (see previous pages) before a student is permitted to register or attend classes. Students excluded from classes under this rule for longer than ten days may be suspended from college for the remainder of the semester.

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., 170 Broadway, Pawtucket, Rhode Island 02860.

The treasurer cannot permit deferred payment of any portion of the charges due prior to registration. Concerning college bills, students and parents must deal directly with the treasurer, as no other officer of the college has authority over their collection.

**REFUNDS** In case of voluntary withdrawal, refund may be made of the balance of a student's account in excess of charges. Tuition, board, and room rent are charged according to the following schedule:

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

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

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

Refunds of federally insured loans are made in accordance with government regulations.

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

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

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

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

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

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

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#### FINANCIAL AID

Colby currently awards over one million dollars annually in the form of scholarships, loans, and campus employment to its students having financial need. A member institution of the College Scholarship Service (Princeton, New Jersey), Colby requires each financial aid applicant to submit a Parents' Confidential Statement, the analysis of which determines individual student need within the context of the college's financial aid policy and schedule of student fees. Most accredited colleges and universities utilize the College Scholarship Service method of need analysis. Accordingly, the amount of expected parental and student contribution does not vary appreciably among colleges.

The primary obligation of financing a college education rests with the family of the student. Assistance is extended by the college to augment the family resources and ease the burden of the needy student. Due to fund limitations, awards to entering freshmen are necessarily granted by the financial aid committee on a competitive basis. Financial aid is renewable and is contingent upon continuing financial need as determined by analysis of the Parents' Confidential Statement submitted each spring. Students who do not receive aid as freshmen should not assume that they can or will be aided during their upperclass years. While the college will attempt to assist students with need, fund limitations may preclude those students not initially awarded aid. No applicant is denied aid on the basis of race, religion, or sex. An applicant must first be admitted to Colby before his financial aid application is considered.



Colby's financial aid policy emanates from the financial aid committee of the college.

Financial aid at Colby, as at most colleges and universities, combines gift scholarships and self-help.

**GIFT SCHOLARSHIPS** Gift scholarships, in the form of grants, total over \$900,000 and are derived from endowment income, gifts made possible by the generosity of alumni, trustees, friends of the college, and foundations, as well as current income and federal government Supplemental Educational Opportunity Grants. (Only Kling scholarships for male descendants of Colonial America require special application beyond the Parents' Confidential Statement, although Kling applicants must qualify on the basis of need, as well as verifiable ancestry.)

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

**SELF-HELP, CAMPUS EMPLOYMENT** Self-help consists of low-interest student loans and/or campus work opportunities. Current financial aid policy describes freshman self-help as the first \$800 of total need. For upper-classmen, the first \$800 of need is self-help, and approximately \$75 in additional self-help is required for each \$250 of remaining need, to a possible maximum self-help of \$1,400. A minimum need of \$1,000 is required for Colby gift scholarship award eligibility.

Financial aid recipients with larger self-help responsibility are offered the opportunity to assume one of the approximately 300 campus jobs assigned through the financial aid office. Campus student work positions ordinarily do not exceed ten hours per week and, in any case, are governed by available hours in the employing department and the student's academic schedule. Generally, freshmen are not offered campus jobs. The freshman self-help requirement is kept purposely low to reduce the necessity for a job, thus

permitting more time for study and adjustment to college life.

**WORK-STUDY PROGRAM** While a student may earn up to \$500 per year, the average is usually about \$400. As part of its student work opportunities, Colby administers a limited federal work-study program with funds appropriated to the college by the federal government. Pay for work-study jobs with nonprofit institutions, including the college and off-campus agencies, varies according to the skill and experience of the employee but is never less than the legal minimum wage.

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

Many states administer guaranteed loans for students. Application is normally made through the applicant's hometown bank. Guaranteed Student Loans, which are federally insured and bear seven percent simple interest, have lenient repayment schedules, beginning nearly a year after the completion of college. For students with lower adjusted family incomes, interest is paid by the federal government until post-college repayment begins.

National Direct Student Loans, administered by the financial aid office, are designed to help students with a higher level of financial need. Available loan monies are contingent upon existing repayment experience and federal fund allocations. NDSL loans accrue three percent simple interest and have many of the same repayment features as the Guaranteed Student Loans described above. Repayment is deferred while the student is a full-time undergraduate or graduate student.

Earnings from summer jobs do not qualify as self-help but are considered a part of the annually evaluated family contribution. Students are expected to use these earnings to defray college expenses as follows: prefreshman, \$550; sophomore, \$650; junior and senior, \$750. Students experiencing shortfalls in expected summer earnings must meet this obligation through an additional loan or other form of assistance. The college will do all it can to assist students along these lines.

**APPLICATIONS** Applicants for admission and financial aid arrange to have a completed Parents' Confidential Statement or, for qualifying independent students,<sup>1</sup> the Student Financial Statement (obtainable at most high school guidance offices), mailed to the College Scholarship Service in Princeton, New Jersey, by January 1 of the academic year preceding admission. Students applying for early decision and financial aid should have their Parents' Confidential Statement form filed as early as possible in the fall of the academic year preceding admission. Upperclass students' parents file the PCS form annually in March.

<sup>1</sup>Independent student status guidelines follow current federal regulations, available on request from the financial aid office.

# Student Life and Activities

## 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), Colby Christian Fellowship (Evangelical Protestant), and Christian Science Organization. All of these groups use the sanctuary and social lounge of Lorimer Chapel. 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 a student majoring in music.

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

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

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## LECTURES

Throughout the year, outstanding scholars, musicians, and artists visit the campus. There are three lecture series—the Guy P. Gannett, Gabrielson, and Franklin J. Matchette—in addition to speakers invited by the Friends of Art at Colby, by student organizations, and by learned societies. The Gannett lectures are devoted to general subjects. The Gabrielson lectures are concerned with national and international affairs. Topics related to philosophy and to other areas of human concern are offered in the Matchette lectures.

The Winthrop H. Smith Visiting Scholars Program brings a distinguished speaker for two days to lecture, speak in classes, and meet informally with students and faculty. The

Spencer Lecture, established in 1973, is devoted to world unity. The Clara M. Southworth Lecture presents a prominent speaker on a subject in environmental design. The Lovejoy Convocation annually honors a member of the newspaper profession.

Among the visiting speakers in 1975-76 were John Barth, American novelist and humorist; Daniel Berrigan, clergyman and author; Lord Caradon, former United Kingdom representative to the United Nations; Richard Ellmann, Goldsmith Professor of Modern Literature, Oxford University; Walter E. Fauntroy, congressman from Washington, D.C.; Eric Foner, professor of history, The City College of C.U.N.Y.; Arthur Goldschmidt, Jr., professor of history, Pennsylvania State University; Ralph E. Gomory, vice-president and director of research, T. J. Watson Center, I.B.M.; Robert T. Handy, professor of American church history, Union Theological Seminary; Janet Henry, Black artist; Jean Houston, director of the Foundation for Mind Research; John Kemeny, president, Dartmouth College; Jochen Lenge-mann, state legislator of Hesse, Germany; Paul Lovejoy, economic historian, York University; Francis T. P. Plimpton, member of the United Nations administrative tribunal and former ambassador and deputy representative to the United Nations; John Roche, Henry R. Luce Professor of Civilization and Foreign Affairs, Fletcher School of Law and Diplomacy, Tufts University; Jerzy Soltan, chairman of Urban Design Program, Harvard University; Davis Taylor, publisher, *The Boston Globe*.

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**MUSIC**

Musical activities converge in the Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium. Students are invited to participate (with or without academic credit) in the band, the Colby Community Symphony Orchestra, and the glee club, all under faculty direction. There are also informal student groups: the Colby Eight, the Colbyettes, the Chapel Choir, the A Capella Singers, and others. The Colby College Trio presents chamber music on and off campus. A student chapter of the American Guild of Organists was formed in 1972.

Concerts by visiting artists are sponsored 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 1975-76 the Colby Music Series included performances by the Cleveland String Quartet, the Preservation Hall Jazz Band, Thomas Richner (pianist), and the Western Wind.

Among other concerts were performances by Helen Boatwright (soprano), Mark Schneider (pianist), Audley Green (harpsichordist), the Downeast Chamber Players, a Coffee House jazz series, the Mellon Organ Series on the well-known Walcker organ in Lorimer Chapel, several concerts by college musical organizations, faculty and student recitals, and informal weekly Friday Noonday Recitals.

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## ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions featuring selections from the permanent collection, as well as original and traveling shows, are to be seen in the Jetté Galleries of the newly enlarged Colby College Museum of Art. The permanent collection features American and European painting, sculpture, and graphic art. Special collections are the Harold T. Pulsifer Memorial Collection of Winslow Homers, the American Heritage Collection and the American Impressionists 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 '21 Collection of American Indian Rugs and Jewelry (Navaho/Zuni).

Among the 1975-76 special exhibitions were *American Painters of the Impressionist Period Rediscovered*, gift of Mr. and Mrs. Jetté to become part of the permanent collection; *Painted in Boston*, an exhibition of nine contemporary painters; *Octet*, the work of eight Maine artists in the first exhibition of the museum's art rental gallery; *Sculpture* by Barbara Lekberg, work of Colby's visiting sculptor;

*American Quilts*; and the *Student Arts Festival Exhibition*.

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, and weaving.

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 greatly expanded gallery space for exhibitions in the Museum of Art. For the first time, both the permanent collection and temporary exhibitions can be on display simultaneously. Expansion into the wing makes possible enlarged classrooms for art and music, and a new library shared by both departments.

#### DRAMATICS

Powder and Wig, the dramatic society, has a distinguished record of productions under the supervision of the director of dramatics. Students act in plays, direct, build scenery, and supervise staging and lighting. Courses in drama are offered by the English, the modern languages, and the classics departments. The 1975-76 Powder and Wig productions included, among others, Sheridan's *A School for Scandal* and Shakespeare's *Hamlet*. Powder and Wig also acts as a "parent organization" for independent student productions. In 1975-76 these included *The Effect of Gamma Rays on Man-in-the-Moon Marigolds*; a light-and-sound-show student adaptation of *1984*; two Pintar one-act plays; and *Pasiphæe*, an original drama directed by the author.

Colby's new theatre, complete with ample workshop and rehearsal facilities, will open in the fall of 1976.

#### SPEECH AND DEBATE

A tradition of public speaking has resulted in the endowment of prizes for oratory, public reading, and debate. Speaking events with other colleges are also conducted.

## AUDIOVISUAL

The audiovisual center in Miller Library has video-taping equipment, tape recorders, cameras, movie and slide projectors, and record players. These are available for use at the center or for loan to members of the college community.

Film Direction, formed in 1962 by students and faculty, 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.

## RADIO COLBY

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

FRATERNITIES AND  
SORORITIES

The fraternity system is a cooperative feature of campus life at Colby. There are chapters of nine fraternities and two national sororities. Eight of the fraternities occupy separate houses on the campus, controlled by the administration and their prudential committees.

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

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

## STUDENT ORGANIZATIONS

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



Service organizations are the Big Brother/Big Sister Program and the Panhellenic Council.

Other groups include the American Guild of Organists—student chapter, Archaeology Club, Baroque Society, Chess Club, Coffee House, Colby Environmental Council, Colby Graphic Arts Workshop, Colby Weaving Club, Crafts Shop, Eidos, Film Direction, Gymnastics Club, International Relations Club, Madrigal Singers, Modern Dance Club, Outing Club, Photography Club, Powder and Wig Dramatic Society, Public Interest Research Group (PIRG), Radio Colby (WMHB-FM), Student International Meditation Society, and Student Organization for Black Unity.

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

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## GENERAL REGULATIONS

All students are responsible for knowledge of the regulations in the *Student Handbook* and in the annual catalogue. The handbook rules concern student residences, organizations, social activities, and intercollegiate athletics.

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, including a chief justice and subjudiciaries affiliated with the various living units, 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 dispensary, infirmary, or hospital, (3) students visited by the college physician in dormitories or other places of residence. Medical excuses are not granted on a retroactive basis unless one of these classifications is satisfied.

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

Absences caused by exclusion from classes because of non-payment of college bills are treated in the same manner as other absences, except that the dean of students has the authority to issue an official excuse when convinced that no fault lies with the student.

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

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

The trustees have delegated to various sectors of the college, including the Student Association, extensive autonomy in the conduct of student affairs. Colby College assumes that those who accept admission to the student body are able and

willing to conduct themselves with the maturity consistent with this responsibility. Each student retains the right to organize his own personal life and behavior within the standards agreed upon by the college community, so long as he does not interfere with the rights of others or with the educational process.

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

The college has always encouraged temperance in the use of alcoholic beverages. The laws of the State of Maine forbid possession of alcoholic beverages by any person under the age of eighteen. 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.

**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** Short-term arrangements are made for special diets at the request of the college physician. A vegetarian alternate is available at all meals.

**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.

Penalties for illegal parking or operation on campus are necessarily severe, and, after a small number of violations, a student may lose his privilege to have a car on campus. The annual registration fee for a car is \$10. An adjustment is made in the financial aid package of aid recipients who choose to register a car on campus.

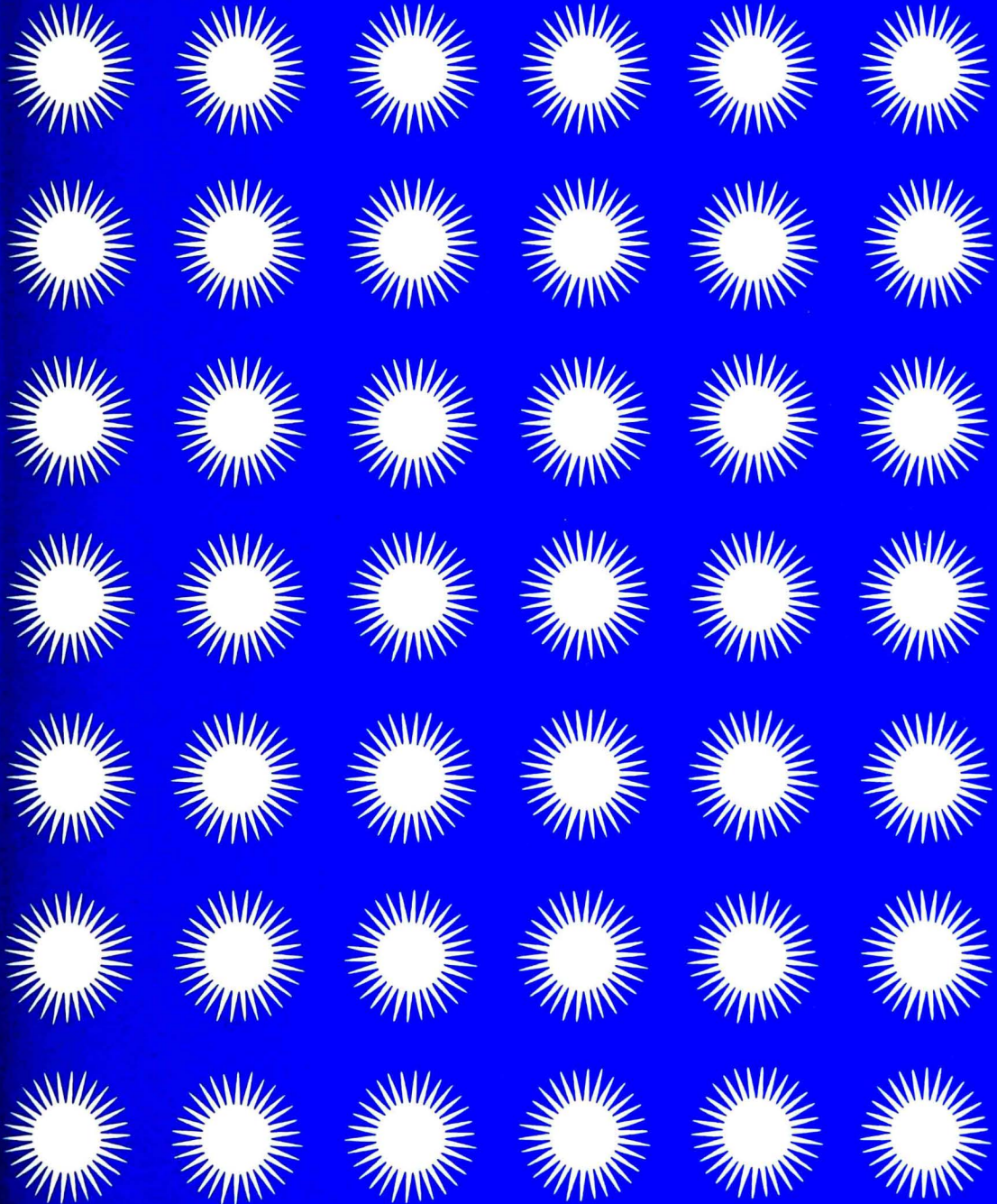
Details of rules relating to the use of motor vehicles may be found in the *Student Handbook*.

**HOUSING AND STUDENT LIVING** Students are housed in twenty-six living units: eighteen college residences (some of them coeducational) and eight fraternity houses. All freshmen not living at home or with relatives are required to live in college housing. Individual dormitories have broad social autonomy, including control over such matters as parietal hours, quiet hours, and judicial systems. 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, some upperclass students are permitted to live off campus, with permission from their parents and the dean of students.

II

# Divisions, Departments, and Courses of Study



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# Divisions, Departments, and Courses of Study

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

Courses are offered within four divisions:

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DIVISION OF  
HUMANITIES

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

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DIVISION OF  
SOCIAL SCIENCES

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

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DIVISION OF  
NATURAL SCIENCES

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

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DIVISION OF  
PHYSICAL EDUCATION  
AND ATHLETICS

Courses in *Physical Education* and *Dance*.

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In the departmental statements following, members of the active faculty for the academic year 1975-76 are listed.

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## Division of Humanities

*Chairman*, PROFESSOR BENBOW

### 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.

The point scale for retention of each of the above majors applies to all courses that may be credited toward the major. All requirements for the major must be met in conventionally graded courses.

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### ART

*Chairman*, PROFESSOR CARPENTER

*Professors Carpenter and W. Miller; Assistant Professors Matthews and Higgins; Mrs. M. Miller<sup>1</sup> and Ms. Lekberg<sup>2</sup>.*

*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 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 courses taken in the department. All requirements for the major must be met in conventionally graded courses. A departmental examination is to be passed in the senior year.



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

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

<sup>2</sup>Visiting lecturer, January.

## CLASSICS

*Chairman*, ASSOCIATE PROFESSOR D. KOONCE

*Associate Professors D. Koonce and Westervelt; Ms. Sneer.*

*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.

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. All requirements for the major must be met in conventionally graded courses.

## ENGLISH

*Chairman*, PROFESSOR ARCHIBALD

*Professors Strider, Benbow, Sutherland, Curran, MacKay, Suss, and Archibald; Associate Professors Witham, Brancaccio, W. Wyman<sup>1</sup>, H. Koonce, Sweney, Mizner, C. Bassett<sup>2</sup>, and E. Kenney; Assistant Professors S. Kenney<sup>3</sup>, R. Gillespie, J. Wyman<sup>4</sup>, Ferster<sup>2</sup>, Harris, Gherman, Levitin, Onion<sup>5</sup>, and Sterling<sup>5</sup>; Messrs. Neinstein, Maramarco, Walker<sup>3</sup>, and Sewell.*

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

English 221, 222, 251, and eight courses numbered 300 or higher. 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 independent 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. All requirements for the major must be met in conventionally graded courses.

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, offers some courses in conjunction with the Center for Coordinated Studies, and supports programs in American studies, Black studies, performing arts, and studies in western civilization.

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

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

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

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

<sup>5</sup>Part-time second semester only.

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MODERN FOREIGN LANGUAGES

*Chairman*, PROFESSOR HOLLAND

*Professors Kellenberger, Bundy*<sup>1</sup>, *Holland*<sup>2</sup>, *Biron, and Schmidt*; *Associate Professors Kempers, Cauz*<sup>3</sup>, *Kueter, Filosof, and C. Ferguson*; *Assistant Professors F. Pérez, P. Doel, L. Ferguson, Hall*<sup>4</sup>, *Weiss, and Sherard*; *Messrs. Reiter and Oudin*.

*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, Japanese, Portuguese, and Russian. Work can be done in some of the less commonly taught languages through the critical language program.

*Requirements for the major in French*:

OPTION 1, French literature: a minimum of eight semester French courses numbered above 126. French 131 (required unless exempted) and French 499 may not be counted toward the major.

OPTION 2, French language, history, and culture: a minimum of five semester French courses numbered above 126 and four semester courses to be selected from one of the following areas. *Area 1*, social sciences: History 231, 232, 323, 324, 351, 353, 355; Government 234, 321, 322, 357; Economics 333, 372, 381, 382, 392. *Area 2*, humanities: Art 314, 316, 317; History 351; Music 213, 231, 232; Philosophy 236, 374. It is recommended that French 223, 224 (re-

quired) be taken during the sophomore year. French 131 (required unless exempted) and French 499 may not be counted toward the major.

*Requirements for the major in German:*

Eight semester courses numbered above 118.

*Requirements for the major in Spanish:*

Eight semester Spanish courses numbered above 118 with the exception of Spanish 131 (required unless exempted) and 499.

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

- (1) A maximum of six hours of pass/fail course work in courses numbered below 300 may be counted toward the major requirement.
- (2) The point scale for retention of any major within the department is based on courses in the major language only.
- (3) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (4) A student returning from foreign study must take at least one course in the major numbered 300 or above each semester until graduation.

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

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

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

<sup>3</sup>Acting chairman second semester.

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

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*Chairman, ASSOCIATE PROFESSOR ARMSTRONG*

*Professor Ré<sup>1</sup>; Associate Professor Armstrong; Assistant Professors Heinrich, D. Reuman<sup>2</sup>, and Machlin.*

*Requirements for the major in music:*

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

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

The point scale for retention of the major applies to all courses in music history and theory. All requirements for the major must be met in conventionally graded courses.

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

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

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

## Division of Social Sciences

*Chairman*, PROFESSOR R. REUMAN

### 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 141, 142.

In mathematics: at least 18 credit hours, including 113, 212; either 241, 242 or 381, 382; at least six hours must be at the 300 or 400 level. Effective with the class of 1978: 221, 222 will be required instead of 113, 212.

Psychology 111, 291, and Sociology 121, 122 are recommended but not required.

*Requirements for the major in economics-mathematics:*

In economics: 141, 142, 233, 234, 378, 394, 411, and one additional semester course.

In mathematics: 113, 212; 241 or 381; at least six hours elected from 311, 361, 362, 382, 421; additional hours to bring the mathematics total to a minimum of 18 credit hours. Effective with the class of 1978: 221, 222 will be required instead of 113, 212.

*Requirements for the major in philosophy-mathematics:*

In philosophy: 112 and either 133 or 211; 257, 331, 332; and one further course in the department.

In mathematics: at least 18 credit hours, including 113, 212, 361. Effective with the class of 1978: at least 18 credit hours, including 221, 222, 361.

*Requirements for the major in psychology-mathematics:*

In psychology: 111, 271, 391, and nine additional hours, to include at least one of the following courses: 234, 272, 273, 314, 332.

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

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.

The point scale for retention of each mathematics combination major applies to all courses offered toward the major. All requirements for the major must be met in conventionally graded courses.

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 W. ZUKOWSKI

*Professor W. Zukowski; Associate Professor Knight; Assistant Professor Clarey; Mr. Samuel.*

*Requirements for the major in administrative science:*

Administrative Science 221, 222, 321, 322, 413, 494; two semesters of mathematics; Economics 141, 142; Psychology 111, 291 or Sociology 121, 122 (although only one of the latter two course sequences is required, it is recommended that both be completed); and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 233, 234; or any additional courses in administrative science.

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 administrative science courses and to Mathematics 241, 242, 243, 244, and Economics 233, 234, where these courses are used to satisfy major requirements. All requirements for the major must be met in conventionally graded courses.

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

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

## ECONOMICS

*Chairman*, ASSOCIATE PROFESSOR HOGENDORN

*Professor Pullen; Associate Professors Hogendorn and Gemery<sup>1</sup>; Assistant Professors Cox, Hanna, Meehan, Leet, and Hagens; Mr. Joseph<sup>2</sup>.*

*Requirements for the major in economics:*

Economics 141, 142, and 30 additional credit hours in economics, including Economics 233 (for class of 1980 and subsequent classes), 234, and 431. Also required is a satisfactory percentile rating in the

undergraduate-program field test in economics, given in the spring of the senior year. Administrative Science 221, 222 or 321, 322, and Mathematics 241, 242 or 381, 382 may be substituted for 12 of the 30 credit hours in advanced economics required for the major.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 233, 234, 338, 393, 394, 431, and 494. A knowledge of mathematics through calculus and elementary statistics is essential. If a student intends to be a candidate for the PH.D. degree, he should also acquire a reading knowledge of at least one of the following languages: French, German, or Russian.

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 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. All requirements for the major must be met in conventionally graded courses.

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

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

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

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## EDUCATION

*Director*, ASSOCIATE PROFESSOR JACOBSON

*Associate Professor Jacobson; Assistant Professor E. Pestana*<sup>1</sup>.

Colby offers a three-year 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<sup>2</sup>. Because requirements vary from state to state, however, each student must assume responsibility for obtaining the pertinent information needed<sup>3</sup>. 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 not only the M.A.T. degree but a teaching certificate in the state.

*Program of studies:*

*Sophomore year:* Education 213, 253, 254; Psychology 252. *Junior year:* Philosophy 333; Education 336, 353, 354. *Senior year:* Education 441, 442, 453, 454, and full-time teaching internship dur-

ing January. English 411 or Modern Foreign Languages 411 may be required of students who desire to teach those subjects.

Every prospective teacher must consult with Professor Jacobson during the freshman year. A brochure is available from the dean of admissions or from the office of education, Room 114, Lovejoy Building.

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

<sup>2</sup>For those students interested in elementary-school-teacher or special-education certification, the sophomore and junior courses may be taken at Colby, and the balance of the program completed elsewhere.

<sup>3</sup>Most states require a concentration of 30 hours or more in a major (a commonly taught secondary-school subject) and 18 hours or more in education courses including student teaching. (N.B.) Some states, including Maine and New Hampshire, also require a concentration of 18 hours or more in a minor (a commonly taught secondary-school subject).

#### HISTORY AND GOVERNMENT

*Chairman*, PROFESSOR MAVRINAC

*Professors Mavrincac, Gillum, Raymond, Weissberg, and Foner; Associate Professors Berschneider and Bridgman*<sup>1</sup>; *Assistant Professors Kany*<sup>2</sup>, *Maisel, and Horwitz; Messrs. Kodama, Farr*<sup>3</sup>, *Haus, Burkman, and Samkange*<sup>4</sup>.

The department offers majors both in history and in government.

*Requirements for the major in history:*

Twelve semester courses in history, of which up to two may be in ancient history. Majors in history planning to do professional work in history are encouraged to enroll in a senior seminar, but this is not required. A comprehensive examination is to be passed in the senior year, given on a major field in which the student has taken at least four semester courses, at least two of which are at the 300 or 400 level, and a minor field of two different subjects, at least one of which is at the 300 or 400 level. 100-level courses may not be offered for the comprehensive examination; a two-semester sequence may be offered only in its entirety. The fields of history from which a major or minor field may be chosen are American, Afro-American, English, European, and East Asian.

At least one 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 history and government. With the exception of History 111, 112, all requirements for the major must be met in conventionally graded courses.

*Requirements for the major in government:*

Ten semester courses in government. Students are expected to take at

least one semester course in government numbered in the 400's. A comprehensive examination is to be passed in the senior year.

The point scale for retention of the major applies to all courses in government. All requirements for the major must be met in conventionally graded courses.

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

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

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

<sup>4</sup>Visiting lecturer, January.

#### PHILOSOPHY AND RELIGION

*Chairman*, PROFESSOR PARKER

*Professors R. Reuman, Todrank, and Parker; Associate Professor Hudson; Assistant Professors Thorwaldsen<sup>1</sup>, McArthur<sup>2</sup>, and Longstaff; Ms. Stameshkin and Mr. Jacob<sup>3</sup>.*

*Requirements for the major in philosophy:*

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

*Requirements for the major in philosophy and religion:*

Religion 223, 224, 316, 321, 322. Philosophy 112, 211, 331, 332, 372, 373.

*Requirements for the major in religion:*

Religion 121, 122, 223, 224, 316, 321, 322, and two additional courses in religion, at least one of which must be at the 300 level or above.

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. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

Attention is called to interdepartmental majors in philosophy-mathematics and classics-philosophy (see list of requirements under Division of Humanities), and to the interdisciplinary majors in studies in human development and studies in western civilization.

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

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

<sup>3</sup>Visiting lecturer second semester.



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PSYCHOLOGY

*Chairman*, PROFESSOR J. GILLESPIE

*Professors Johnson, J. Gillespie, Jenson, and P. Perez; Associate Professor Zohner; Assistant Professors Lester, Skowbo, and Abbiati.*

*Requirements for the major in psychology:*

Biology 121, 122; Psychology 111, 114, 271, 391, and 12 additional hours in psychology, to include at least one of the following courses: 234, 272, 273, 314, 332.

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

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

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SOCIOLOGY

*Chairman*, PROFESSOR GEIB

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

*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 four courses selected from history, government, psychology, and economics. A written or oral comprehensive examination is to be passed.

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. At least 30 hours of sociology credit must be earned in conventionally graded courses.

Attention is called to the interdisciplinary major in studies in human development.

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## Division of Natural Sciences

*Chairman*, PROFESSOR TERRY

INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in geology-biology, geology-chemistry, and physics-mathematics. Attention is also called to the interdisciplinary major in environmental studies.

*Requirements for the major in geology-biology:*

In geology: 121, 122 or 141, 142; 211, 281; six additional credit hours numbered 200 or higher.

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

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

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

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

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

*Requirements for the major in geology-chemistry:*

In geology: beginning in the sophomore year, 241, 242, 281, 282, 321, 322.

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

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

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

*Requirements for the major in physics-mathematics:*

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

In mathematics: 113, 121, 122, 212, 311, and one additional semester course as approved. Effective with the class of 1978: 221, 222 will be required instead of 113, 212.

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

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

## BIOLOGY

*Chairman, PROFESSOR BENNETT*

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

*Requirements for the major in biology:*

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

biology major. The comprehensive examination in the major is administered near the middle of the senior year.

The point scale for retention of the major applies to Chemistry 141, 142, the required course(s) in college mathematics, and all courses in biology. All requirements for the major must be met in conventionally graded courses.

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 must take Mathematics 122, 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 usually 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.

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

## CHEMISTRY

*Chairman*, PROFESSOR REID

*Professors Reid, Machemer, and Ray; Associate Professor Maier; Assistant Professor Smith.*

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

*Requirements for the basic major in chemistry:*

Chemistry 141, 142, 241, 242, 331, 341, 342; Mathematics 121, 122; Physics 121, 122. Other courses or substitutions should be

selected in consultation with the chairman of the chemistry department.

*Requirements for the ACS accredited major in chemistry:*

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

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

The point scale for retention of the major applies to all chemistry courses. All prospective chemistry majors should meet with the chairman as early as possible during the freshman year in order to plan their full chemistry programs. With the exception of Chemistry 432 and 434, all requirements for the major must be met in conventionally graded courses.

It should be noted that recently the ACS accredited program has been modified by the American Chemical Society, with the elimination of any particular required modern foreign language.

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

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

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

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

Attention is called to the interdepartmental geology-chemistry major.

GEOLOGY

*Chairman, PROFESSOR KOONS*

*Professor Koons; Associate Professor H. Pestana<sup>1</sup>; Assistant Professors Coleman and Allen<sup>2</sup>.*

*Requirements for the major in geology:*

Geology 121, 122 or 141, 142 (the preferred sequence); 211; 214 221 or 271; 242; 251; 281; 352; one year of college mathematics

and Chemistry 141, 142. Geology 321, 322 may be substituted for 214, and are recommended for professional preparation, as is one semester of Geology 491, 492.

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

Students planning to teach in the secondary schools may select the *earth science option*; the requirements are: Geology 141, 142, 211, 214, 221, 222, 251, 281, 292; Chemistry 141. A comprehensive examination is to be passed in the senior year.

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

The point scale for retention of the major applies to all courses taken in the department. All requirements for the major must be met in conventionally graded courses.

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 and the interdisciplinary major in environmental studies.

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

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

## MATHEMATICS

*Chairman*, PROFESSOR L. ZUKOWSKI

*Professors Combellack and L. Zukowski; Associate Professor Small; Assistant Professors Hayslett, Lieberman, and Shepardson; Mrs. Bassett*<sup>1</sup>.

*Requirements for the major in mathematics:*

Class of 1977: Mathematics 113, 121, 122, 212, 361, 362, 421, 431, and 12 credit hours selected from the following: 311, 314, 316, 332, 352, 372, 381, 382, 422, 432. Mathematics 221, 222 may be substituted for 113, 212.

Effective with the class of 1978: Mathematics 121, 122, 221, 222, 361, 362, 401, 402, 421, 431, and 12 additional hours in mathematics selected from the following: 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. All majors are required to take the Educational Testing Service undergraduate field test in mathematics, given in the spring semester of the senior year.

The point scale for retention of the major applies to all courses taken in the department. All requirements for the major must be met in conventionally graded courses with the exception of Mathematics 401, 402, which will be nongraded.

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, physics-mathematics, and psychology-mathematics.

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

#### PHYSICS AND ASTRONOMY

*Chairman*, ASSISTANT PROFESSOR METZ

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

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, or the other natural sciences.

*Requirements for the major in physics:*

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

Students preparing for graduate work in physics, a related science, or engineering should plan to elect eight additional hours of physics, including Physics 441, and six additional hours of mathematics, including Mathematics 311. Mathematics 121, 122 should be taken during the freshman year. It is strongly 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. All requirements for the major must be met in conventionally graded courses.

Attention is called to the interdepartmental major in physics-mathematics.

## Interdisciplinary Studies

Interdisciplinary studies at Colby are coordinated through the interdisciplinary studies council, composed of the director, or a representative, from each interdisciplinary area plus three students and a member of the administration:

*Chairman*, PROFESSOR D. KOONCE

MEMBERS: *Professors Brancaccio, Foner, Gilbert, Johnson, Kingdon, D. Koonce, and Sherard; three students.*

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

### AMERICAN STUDIES

*Director*, PROFESSOR BASSETT

*Acting Director 1975-76*, PROFESSOR BRANCACCIO

ADVISORY COMMITTEE: *Professors Bassett (English), Brancaccio (English), Bridgman (History), Cocks (Special Collections), Foner (History), Geib (Sociology), Gemery (Economics), Gherman (English), Harris (English), Horwitz (History), Hudson (Philosophy and Religion), Longstaff (Philosophy and Religion), Maisel (Government), W. Miller (Art), Morrione (Sociology), and Neinstein (English); six students majoring in American studies elected by fellow majors.*

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.

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 art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

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

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

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

*Courses approved for the major:*

AMERICAN STUDIES: -97, -98 Selected Topics (except at the 100 level); 491, 492 Independent Study.

ART: 271d2 American Art; 356 Twentieth-Century Art; 491, 492 Independent Study.

BIOLOGY: 352 Ecological Theory.

ECONOMICS: 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy; 353 Public Labor Relations and Manpower Policy; \*374 American Economic History; 411 History of Economic Thought; 491, 492 Independent Study.

EDUCATION: 336 History of American Education.

ENGLISH: 251d Major American Authors; 252d Introduction to American Studies; 338 Contemporary Poetry; 351d2 Early American Authors; 352 The American Renaissance; 353 Realism and Naturalism; 354d1 Modern American Literature; 355 Black American Literature; 356 Contemporary American Fiction; \*375 Modern Drama I; \*376 Modern Drama II; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature (when appropriate).



GEOLOGY: †[221, 222] Map Interpretation and Geomorphology of the United States.

GOVERNMENT: 211 The American System and Shaping the Modern Polity; 258 American Government and Politics; 314 American Constitutional Law; 321, 322 Political Theory; 356d1 Parties and the Electoral Process; [391] The American Bureaucrat; 393 State and Local Government; 435 Seminar in American National Government and Politics; [436] American Politics Seminar: Voting Behavior; 457 Foreign Policy of the United States; 491, 492 Independent Study.

HISTORY: 223, 224 Survey of United States History; 273 The American Industrial Revolution; 276 History of Ethnic Groups in America; 277 Black History I; 278 Black History II; 371 Modern American Elections; 372 The American Civil War; 374 Contemporary America, 1929 to Present; [375] American Colonial History; [376] The Era of the American Revolution, 1763-1789; 377 Historical Introduction to American Studies: The United States, 1824-1850; [378] The United States, 1850-1880; 379 Black History III; \*392 American Diplomatic History, 1775-1917; 393 Europe and the American Revolution; 394 The American South, 1819-1861; 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; 353 Contemporary Analytic Philosophy; 491, 492 Independent Study.

PSYCHOLOGY: 291d Social Psychology; 491, 492 Independent Study.

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

SOCIOLOGY: 212 Short Courses in Sociology; 231 Contemporary Social Problems; \*233 Delinquency and Crime; 252 Race and Minorities; 274 Social Stratification; 318 Contemporary Theory; \*353 Urban Sociology; †[361, 362] Cultural Anthropology; †[391] Social Change; \*394 Collective Behavior; 491, 492 Independent Study.

#### BLACK STUDIES

*Director*, PROFESSOR FONER

ADVISORY COMMITTEE: *Professors Brancaccio (English), Foner (History), Gemery (Economics), Johnson (Psychology), and W. Wyman (English).*

Activities in the area of Black studies began in 1969 with the formation of a Black studies subcommittee of the educational policy committee. The work of this committee has involved the encouragement of curriculum development, scholarly exchanges through

visiting lecturers, faculty attendance at professional meetings such as the one held annually in Atlanta at the Center for Afro-American Studies, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major.

*Courses offered in Black studies include:*

ENGLISH: 355 Black American Literature.

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

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

ECONOMICS: 333 Economic Development.

GOVERNMENT: 332 Political Development.

HISTORY: 276 History of Ethnic Groups in America.

RELIGION: 319 Primitive Religion.

SOCIOLOGY: 231 Contemporary Social Problems; 252 Race and Minorities; \*353 Urban Sociology.

CENTER FOR COORDINATED STUDIES

*Director*, PROFESSOR JOHNSON

*Faculty Chairman*, PROFESSOR GILBERT

FACULTY ASSOCIATES: *Professors Bratt (Consultant to the President), Easton (Biology), Gilbert (Biology), Johnson (Psychology), E. Kenney (English), D. Koonce (Classics), H. Koonce (English), and Westervelt (Classics).*

FACULTY AFFILIATES: *Professors Benbow (English), Bennett (Biology), Carpenter (Art), Easton (Biology), Hudson (Philosophy), Johnson (Psychology), D. Koonce (Classics), H. Koonce (English), MacKay (English), Maisel (Government), Morrione (Sociology), Parker (Philosophy), Sweney (English), and Westervelt (Classics).*

The Center for Coordinated Studies is described earlier in this catalogue. The center works in close liaison with other interdisciplinary programs. Its offerings, reflecting the needs and experience of the participants, are subject to frequent modification. A separate brochure, outlining the center's function in greater detail and describing current programs, is available on request.

EAST ASIAN STUDIES

*Director*, PROFESSOR SHERARD

ADVISORY COMMITTEE: *Professors Burkman (History), Carpenter (Art), Holland (Modern Foreign Languages), Kodama (Government),*

*Mavrillac (History and Government), Sherard (Modern Foreign Languages), and Thorwaldsen (Philosophy and Religion).*

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

*Requirements for the major in East Asian studies:*

A minimum of two years of training in an East Asian language, and 21 additional credit hours obtained from courses in East Asian studies, selected with the approval of the program director.

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

*Courses approved for the major:*

EAST ASIAN LANGUAGES: 111, 112 Languages and Civilization of East Asia; 213, 214 Japanese Language and Culture; 215, 216 Chinese Language and Culture; 311 East Asian Linguistics; 312 Classical Written Languages of East Asia; 491, 492 Independent Study.

EAST ASIAN STUDIES: 491, 492 Independent Study.

GOVERNMENT: 135 Imperialism and Nationalism in East Asia; 138 Japan and the United States in East Asia; 231 Contemporary Japanese Politics; 271 Asian Revolutionary Movements; 478 Seminar in Japanese Politics.

HISTORY: 133, 134 Introduction to the History of East Asia; 221, 222 History of East Asian Civilization; [359] Modern Japanese History; [363, 364] Cultural History of Japan; [414] Seminar in Japanese History.

RELIGION: 321, 322 East Asian and Indian Religions; †[391, 392] Religion Seminars (when appropriate).

ENVIRONMENTAL STUDIES

*Director, PROFESSOR GILBERT*

STEERING COMMITTEE: *Professors Bennett (Biology); Gilbert (Biology); Vice-President Jenson (Dean of Faculty); Professors Koons (Geology), Chairman; Metz (Physics); Reid (Chemistry); and L. Zukowski (Mathematics).*

ADVISORY COMMITTEE: *Professors Clarey (Administrative Science); R. Doel (Sociology); Firmage (Biology); Gilbert (Biology), Chairman; Hayslett (Mathematics); and Koons (Geology); two students representing the Colby Environmental Council; Mr. T. Gordon (Cobbos-*

*see Watershed District); Mr. E. Keene (North Kennebec Regional Planning Commission); Mrs. R. Strider (Waterville Conservation Commission); and Mr. M. Wiebe (Keep Maine Scenic Committee).*

A multidisciplinary major in environmental studies, based primarily on the natural sciences, was instituted in March 1971. Academic aims are to provide an understanding of ecosystems, an appreciation for contributions which different disciplines make to the field, an awareness about the roles of institutions that affect the environment, and a working experience with some aspect of the local, regional, or state environment.

*Requirements for the major in environmental studies:*

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

In chemistry: two semester courses selected from 111, 112 or 121, 122 or 141, 142.

In geology: two semester courses selected from 121, 122 or 141, 142 or 161, 162; either 172 or 292; and 483, 484.

In mathematics: 241 or 381.

In physics: Physics 121 or Astronomy 131.

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

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

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

At least one January program in environmental studies.

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

*Courses approved for the major:*

ASTRONOMY: 131 Descriptive Astronomy.

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

CHEMISTRY: 111 Studies in Environmental Biochemistry; 112 Topics in Chemistry; 121, 122 General Chemistry; 141, 142 General Chemistry and Elementary Analysis.

GEOLOGY: 121, 122 Introduction to Geological Science I; 141, 142 Introduction to Geological Science II (with laboratory); 161, 162 Problems in Geology; 172 Oceanography; \*292 Meteorology; 483, 484 Environmental Geology.

MATHEMATICS: 241d Elementary Statistics; 381 Mathematical Statistics.

PHYSICS: 121 General Physics.

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

BIOLOGY: †[311] Plant Classification; 313 Invertebrate Zoology; 318 Microbiology; \*319 Biology of the Lower Plants; 333 Chordate Evolution; †[354] Marine Ecology; \*356 Inland Ecology; 358 Ecology Field Study; 376 Problems in Comparative Animal Physiology; 378 Animal Behavior.

CHEMISTRY: 241, 242 Organic Chemistry.

GEOLOGY: 211 Sedimentation; \*214 Rocks in Hand Specimen; †[221, 222] Map Interpretation and Geomorphology of the United States; \*241, 242 Geologic Structures and Field Methods; 251 Invertebrate Paleontology; 252 Micropaleontology; 254 Advanced Invertebrate Paleontology.

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: 141, 142 Principles of Economics; \*374 American Economic History.

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

SOCIOLOGY: 232 Human Ecology; \*353 Urban Sociology; 393 Complex Social Organizations.

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PERFORMING ARTS

*Director, (to be announced)*

ADVISORY COMMITTEE: (to be announced)

The program in the performing arts enlarges existing patterns of academic concentration through credited work in theatre, 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 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.

*Courses offered in the performing arts include:*

MUSIC: 191, 192 Applied Music: Individual Study; 193, 194 Applied Music: Ensemble; 372 Composition I; 374 Composition II; \*378 Conducting; 491, 492 Independent Study in Music.

PERFORMING ARTS: 121, 122 Theatre Production; 171 Acting I; 221, 222 Theatre History; 251 Stage Movement; 272 Acting II; 491, 492 Independent Study in Theatre.

PHYSICAL EDUCATION: †[241, 242] Introduction to the Art of Dance; \*341, 342 Modern Dance Composition and Theory; 491, 492 Independent Study in Dance.

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

CLASSICS: †[232] Greek Tragedy.

ENGLISH: 171 Speech; 275 The Art of the Narrative Film; [373, 374] The Development of Dramatic Art; \*375, 376 Modern Drama; 383, 384 Studies in Shakespeare; 472d Oral Interpretation.

FRENCH: 375 Topics in Twentieth-Century French Literature.

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

SPANISH: †[351] El Siglo de Oro; 355 Nineteenth-Century Drama and Poetry.

#### STUDIES IN HUMAN DEVELOPMENT

*Director, MR. KINGDON*

STEERING COMMITTEE: *Professors Bennett (Biology), Geib (Sociology), J. Gillespie (Psychology), and Parker (Philosophy).*

ADVISORY COMMITTEE: *Professors Birge (Sociology), Easton (Biology), Jacobson (Education), Kingdon (Sociology), P. Perez (Psychology), R. Reuman (Philosophy), and Todrank (Philosophy).*

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:*

In biology: 121 and either 122 or 134.

In human development: 293, 294, 393, 394, 494.

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

In psychology: 111 and two semester courses selected from 132, 213, 252, 261, 262, 291.

In sociology: 121, 122 and two semester courses selected from 232, 237, 273, 274, 353, 361, 362, 391.

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. All requirements for the major must be met in basic credits.

## STUDIES IN WESTERN CIVILIZATION

*Director*, PROFESSOR D. KOONCE

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

Each student majoring in studies in western civilization will draw up a provisional plan of study with his major adviser before choosing courses. This plan will be reviewed and can be revised by the adviser and the student before registration each semester. Since in a civilization program it is desirable to respond to a culture in its own terms, students in the western civilization major will be expected to pursue at least one classical or modern language for at least one year beyond the all-college language requirement. The exact extent of this requirement, and the language involved, will be part of the plan agreed on by the student and his adviser. As a major of this kind offers students a rich opportunity for contributing to the education of one another, residence in the Center for Coordinated Studies is strongly recommended, although not required. The advisory committee for the studies in western civilization major encourages students to take advantage of opportunities for off-campus study currently available through the committee on foreign study and student exchange and the committee on special programs. Plans for off-campus study, which include provisions for meeting the requirements for the major, will be accepted in lieu of portions of the requirements below.

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

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

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

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

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

*Courses approved for the major:*

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

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

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

ECONOMICS: †[372] European Economic History.

ENGLISH: 221, 222 Major British Writers; †[331] Medieval Literature; †[332] The Renaissance; 333 The Seventeenth Century; 334 The Eighteenth Century; 351d2 Early American Authors; 371 Eighteenth-Century British Fiction; [373] The Development of Dramatic Art I; [374] The Development of Dramatic Art II; 378d1 History of the English Language; 383, 384 Studies in Shakespeare; 391d2 Chaucer; 392 Spenser; [393] Introduction to Shakespeare; \*394 Milton; [433] Restoration Literature; 493, 494 Seminar in English Literature (when appropriate).

FRENCH: 223 French Civilization; 355 Topics in Seventeenth-Century French Prose; 356 Topics in Eighteenth-Century French Literature.

GOVERNMENT: 321 Political Theory.

GREEK: all courses listed.

HISTORY: †[231] Medieval Civilization, 476-1300; †[232] Renaissance and Reformation, 1300-1648; [318] The Age of the Baroque; †[335] A Constitutional and Legal History of Medieval England; 336 Tudor-Stuart England; 418 Seminar in Medieval History.

LATIN: all courses numbered above 112.

MUSIC: 111d Introduction to Music; 211 Music History I; [213] Medieval Music; [232] Music of the Renaissance; [234] Baroque Music.

PHILOSOPHY: 331 History of Ancient Philosophy; 332 History of Modern Philosophy; \*373 History of Medieval Philosophy; 392 Philosophy Seminar.

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; 391 Religion Seminar.

SPANISH: †[351] El Siglo de Oro.



## Division of Physical Education and Athletics

*Chairman*, ASSISTANT PROFESSOR MCGEE

*Associate Professor Bither*; *Assistant Professors McGee, Covell, Nelson, Hodsdon, Hodges, and Whitmore*; *Mr. Mukai, Ms. Mitchell, Messrs. Dulac and McConnell*.

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

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### PHYSICAL EDUCATION

*Coordinator*, ASSOCIATE PROFESSOR BITHER

Physical Education 1, 2: one year of physical education is required of all Colby students for graduation. Waivers are available for skilled students who do well in the screening tests in leisure-time sports or who are members of 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, synchronized swimming, recreational swimming, canoeing; *leisure-time sports*: tennis, golf, squash, skating, figure skating, hockey skills, archery, skiing, cross-country skiing, fencing, bicycling, badminton, riding; *dance*: modern, folk, ballet; *team sports*: touch football, basketball, volleyball, softball; *other activities*: judo, gymnastics, yoga, weight lifting, slimnastics.

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### INTRAMURALS

*Coordinator*, ASSISTANT PROFESSOR COVELL

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

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### INTERCOLLEGIATE ATHLETICS

Athletics for men include varsity teams in golf, lacrosse, tennis, skiing, and squash, and both varsity and junior varsity teams in football, soccer, basketball, hockey, and baseball.

Coed varsity teams are in indoor and outdoor track, cross-country, and swimming.

Varsity teams for women are in field hockey, tennis, gymnastics, ice hockey, basketball, skiing, and lacrosse.

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

## Division of Special Programs

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

Each summer nearly 3,000 individuals from throughout the nation and other countries are on campus for courses and seminars ranging from Great Books to Transactional Analysis. 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 Oncology, Ophthalmology, Nuclear Medicine, Neurosurgical Techniques, Otolaryngology, Hematology, Forensic Medicine, Pulmonary Diseases, and Surgical Techniques are offered annually.

Colby medical programs are fully accredited by the American Medical Association's Council on Medical Education. In addition, some of the medical seminars are cosponsored by nationally recognized organizations, such as the American College of Physicians, the American Thoracic Society, the American Society of Hematology, and the American Association of Cancer Education.

There are various other summer programs, including the Estate Planning and Tax Institute, Advanced Audiology, Mental Health Workshops, Church Music, the Maine Methodist Conference, a Cheerleading Clinic, and youth retreats.

During the academic year, the division arranges such annual con

ferences as the Colby Institute for Management. Continuing-education programs, adult courses, and Colby telecourses, although not offered every year, are maintained in special programs.

The use of Colby facilities by outside groups is coordinated through the division of special programs, too. This past year, some of the groups holding conferences on campus included the Clean Water Action Committee of the Natural Resources Council, the Maine Humanities Council, the State of Maine Conservation Commissioners, the Maine Council of Teachers of English, the Maine Section of the American Chemical Society, and the Maine State Spelling Bee.

Noncredit courses, for which the continuing-education unit may be earned, are also structured and evaluated through special programs. 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 1976-77.

† A dagger indicates that the course will probably be offered in 1977-78.

\* An asterisk indicates that the course will probably not be offered in 1977-78.

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 basically for the smaller number of credits. Students can earn augmented credit in these courses by completing such extra work as the instructor may specify.

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

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## Administrative Science

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<p>221e, 222 ACCOUNTING MRS. KNIGHT</p>	<p>The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society—its relationship to law, economics, and social policy. <i>Three credit hours.</i></p>
<p>321, 322 FINANCE MR. ZUKOWSKI</p>	<p>An analytically structured approach to decision making in the financial area. Money and capital markets are considered. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 141, 142 or special permission. <i>Three or four credit hours.</i></p>
<p>341, 342 ADVANCED ACCOUNTING MR. SAMUEL</p>	<p>Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined. <i>Prerequisite:</i> Administrative Science 221, 222. <i>Three credit hours.</i></p>
<p>343, 344 MARKETING MR. CLAREY</p>	<p>Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally. <i>Prerequisite:</i> Administrative Science 221, 222 or Economics 141, 142. <i>Three credit hours.</i></p>
<p>353 MANAGERIAL ECONOMICS MR. ZUKOWSKI</p>	<p>The decision-making process examined in an economic context. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 141, 142 or special permission. <i>Three credit hours.</i></p>
<p>354 LAW MR. CLAREY</p>	<p>The processes of law that underlie personal and institutional relationships. <i>Four credit hours.</i></p>
<p>361, 362 OPERATIONS RESEARCH MR. SAMUEL</p>	<p>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 credit hours.</i></p>
<p>411 THE CONSUMER IN SOCIETY MRS. KNIGHT</p>	<p>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></p>

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412d1  
INVESTMENTS  
STAFF

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.

*Prerequisite:* Administrative Science 221, 222, 321, 322. *Three credit hours.*

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413  
ORGANIZATIONAL BEHAVIOR  
MR. CLAREY

This course utilizes an 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.

*Prerequisite:* Sociology 221, 222 or permission of the instructor. *Three credit hours.*

*Note:* This course may be offered cooperatively with Sociology 393. A student may not receive credit for both Administrative Science 413 and Sociology 393.

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491, 492  
INDEPENDENT STUDY  
STAFF

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

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

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494  
SENIOR SEMINAR  
MR. ZUKOWSKI

Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class.

*Prerequisite:* 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.*

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## American Studies

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491, 492  
INDEPENDENT STUDY  
STAFF

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

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

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## Ancient History

IN THE DEPARTMENT OF CLASSICS

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[252]  
GREEK HISTORY

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

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

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\*254  
 ROMAN HISTORY  
 TAYLOR LECTURER

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

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\*352  
 ATHENS IN THE FIFTH CENTURY  
 TAYLOR LECTURER

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

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†[353]  
 GREECE IN THE FOURTH CENTURY

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

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491, 492  
 INDEPENDENT STUDY  
 STAFF

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

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## Art

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121, 122  
 INTRODUCTION TO ART  
 STAFF

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

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141, 142  
 DRAWING  
 MISS MATTHEWS

Presents the fundamentals of representational drawing. Out-of-class drawing is very important. No previous drawing experience is needed. Enrollment limited. *Three credit hours.*

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161, 162  
 PRINCIPLES OF DESIGN  
 MR. HIGGINS

First semester: introduction to practical studio-design concepts in two-dimensional art, with emphasis on color. Second semester: further exploration into two-dimensional design concepts, using gouache as the principal medium, with emphasis on color and pictorial composition. Students must supply their own materials; out-of-class work is essential. Enrollment limited. *Three credit hours.*



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ART 211 BEGINNING PAINTING R. HIGGINS	Concepts in two-dimensional image making, using oils. Emphasis on principles of composition and representation, and characteristics of materials. Enrollment limited. Formerly listed as Art 211. <i>Prerequisite:</i> Art 141 and 161 or permission of the instructor. <i>Three credit hours.</i>
ART 212 BEGINNING SCULPTURE JESS MATTHEWS	Designed to help the student to acquire a foundation in the sculptural techniques of wood and stone carving and welding. It is recommended that the student take both semesters. Enrollment limited. <i>Prerequisite:</i> Art 141 or 161 or permission of the instructor. <i>Three credit hours.</i>
ART 213 AMERICAN ART MR. MILLER	Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <i>Three credit hours.</i>
ART 214 [311] THE 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>
ART 215 ART OF THE RENAISSANCE IN ITALY MR. 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>
ART 216 [314] BAROQUE ART	The art of Europe in the seventeenth and eighteenth centuries, with emphasis on the major painters. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>
ART 217 [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>
ART 218 EUROPEAN ART SINCE 1800	Emphasis on French painting of the neoclassic, romantic, realist, impressionist, and postimpressionist movements.

MR. CARPENTER	<i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>
341, 342 ADVANCED PAINTING MR. HIGGINS	A tutorial painting situation. Enrollment limited. Formerly listed as Art 331 and 371. <i>Prerequisite:</i> Art 242 and permission of the instructor. <i>Three credit hours.</i>
*352 THE GRAPHIC ARTS MR. CARPENTER	History and criticism of drawing and print making, with emphasis on European art since the Renaissance. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three or four credit hours.</i>
356 TWENTIETH-CENTURY ART MR. MILLER, MR. CARPENTER, AND MR. HIGGINS	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>Two or 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>Two credit hours.</i>
361, 362 ADVANCED SCULPTURE MISS MATTHEWS	Further use of the techniques acquired in Art 261, 262 in developing the student's own visual ideas. Enrollment limited. Formerly listed as Art 335, 336. <i>Prerequisite:</i> Art 261, 262. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	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>
493 SEMINAR IN ART CRITICISM MR. CARPENTER	Primarily for senior art majors. Individual reports and discussion based on reading (psychology of perception, critical methods, art theory, etc.) and on examination of original works. Nongraded. <i>Three credit hours.</i>
499d ART TEACHING STAFF	Directed practice in conduct of discussion sections in art history. Open to a limited number of upperclass art majors. Flexible credit. Nongraded. <i>Prerequisite:</i> Permission of the department chairman. <i>Two credit hours.</i>

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## Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

2  
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  
DESCRIPTIVE ASTRONOMY  
R. BRIGGS

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

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## Biology

5, 116  
CONCEPTS IN BIOLOGY  
AFF

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

7  
ECOLOGY AND FIELD BIOLOGY  
R. GILBERT

Natural patterns of the New England landscape are studied through field trips to selected habitats. Lectures relate these patterns to various environmental factors. Ecological concepts underlying the philosophy of "spaceship earth" are discussed. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

8  
BIOLOGY AND POPULATION  
R. GILBERT

Population dynamics, topics in evolution, and animal behavior. The human "population bomb" and its ecological consequences are discussed. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

121, 122 INTRODUCTION TO BIOLOGY STAFF	First semester: the form, function, and behavior of selected organisms. Second semester: the biology of reproduction, inheritance, and development. Illustrative examples will be drawn from a variety of organisms. Lecture and laboratory. <i>Four credit hours.</i>
134 HUMAN EVOLUTION MR. EASTON	The evolutionary origin of Man through study of selected original papers and short publications. Attention is given to the basic theory of evolution and the forces that are effective in the process. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Formerly listed as Biology 131. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
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. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours.</i>
271 INTRODUCTION TO ECOLOGY; INTRODUCTION TO EVOLUTION MR. GILBERT, MR. FOWLES, AND MR. FIRMAGE	Part I: introduction to ecological principles: structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips are taken to sites representative of terrestrial, fresh-water, and marine habitats. Part II: 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 AND MR. TERRY	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 STAFF	Discussion of contemporary topics in biology. Nongraded. <i>Prerequisite:</i> Junior standing as a biology or geology-biology major. <i>One credit hour for the year.</i>
*311 PLANT CLASSIFICATION	Methods and principles of classification, including the use of keys, nomenclature, collection techniques, and plant structural char-

<p>12 PLANT FIRMAGE</p>	<p>characteristics. Major plant families and the local flora will be stressed. Lecture and laboratory. <i>Prerequisite:</i> Biology 121 or 138, and 271 (may be concurrent) or permission of the instructor. <i>Three credit hours.</i></p>
<p>13 INVERTEBRATE ZOOLOGY DR. BENNETT</p>	<p>The morphology, physiology, and classification of the invertebrates. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i></p>
<p>14 PLANT PHYSIOLOGY DR. FOWLES</p>	<p>The essential mechanisms of plant functions. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i></p>
<p>15 CELLULAR PHYSIOLOGY DR. TERRY</p>	<p>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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i></p>
<p>17 ANIMAL HISTOLOGY DR. EASTON</p>	<p>The structure of cells, tissues, and organs, principally of vertebrates, with aspects of function. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i></p>
<p>18 MICROBIOLOGY DR. TERRY</p>	<p>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. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i></p>
<p>19 BIOLOGY OF THE LOWER PLANTS DR. FOWLES</p>	<p>Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122, 271, and 272, or permission of the instructor. <i>Four credit hours.</i></p>
<p>20 DEVELOPMENTAL BIOLOGY DR. BENNETT, MR. CHAMPLIN, AND DR. FOWLES</p>	<p>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.</p>

*Prerequisite:* Biology 121, 122, 271, and 272, or permission of the 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.*

†[335]  
SYSTEMATICS

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

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

352  
ECOLOGICAL THEORY  
MR. GILBERT AND MR. FIRMAGE

Opposing views regarding the regulation of population abundance and the nature of the biotic community; analyses of mathematical models of life tables, population dispersion, and species diversity; perspectives concerning the basis of our environmental crisis. Readings from contemporary sources will be discussed. Lecture only.

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

†[354]  
MARINE ECOLOGY

Field and laboratory studies on estuarine and coastal organisms; quantitative sampling methods and analysis of data will be accomplished through group and individual projects that include occasional weekend trips to the coast. Laboratory and discussion.

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

\*356  
INLAND ECOLOGY  
MR. GILBERT AND MR. FIRMAGE

Field and laboratory studies on terrestrial and fresh-water organisms; quantitative sampling methods and analysis of data will be accomplished through group and individual projects. Laboratory and discussion.

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

358  
ECOLOGICAL FIELD STUDY  
STAFF

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

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

1  
 GENETICS  
 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*.

6  
 PROBLEMS IN COMPARATIVE  
 ANIMAL PHYSIOLOGY  
 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*.

7  
 TOPICS IN NEUROBIOLOGY  
 MULLER

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

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

8  
 ANIMAL BEHAVIOR  
 MULLER

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

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

1, 492  
 INDEPENDENT STUDY  
 AFF

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

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

## Center for Coordinated Studies

(variously numbered)  
 CENTER SEMINARS  
 AFF

Small seminars prearranged for freshmen or developed through student-faculty consultation at upperclass levels to explore topics of interest from the viewpoints of more than one academic discipline. Conducted by two or more members of the faculty. Students are ex-

pected to have taken, or to be currently enrolled in, courses in the participating departments. *One or two credit hours per seminar.*

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## Chemistry

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| <p>111<br/>STUDIES IN ENVIRONMENTAL<br/>BIOCHEMISTRY<br/>MR. MAIER</p>              | <p>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 for environmental studies majors or as a nonlaboratory course for nonscience majors. Enrollment limited. <i>Three credit hours.</i></p>  |
| <p>112<br/>TOPICS IN CHEMISTRY<br/>MR. SMITH</p>                                    | <p>Both the philosophical and technological aspects of chemistry are considered in an essentially phenomenological approach. Topics covered include atomic structure, radioactivity, nuclear energy, energy relationships in chemical systems, environmental problems, and industrial applications of chemistry. Intended for environmental studies majors or as a nonlaboratory course for nonscience majors. <i>Three credit hours.</i></p> |
| <p>121e, 122<br/>GENERAL CHEMISTRY<br/>MR. MACHEMER</p>                             | <p>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. <i>Three credit hours.</i></p>  |
| <p>141e, 142<br/>GENERAL CHEMISTRY AND<br/>ELEMENTARY ANALYSIS<br/>MR. MACHEMER</p> | <p>Lectures and text the same as 121e, 122 but with four hours of discussion-laboratory added. The first-semester laboratory is concerned with gravimetric analysis, the second with volumetric analysis and qualitative analysis. <i>Four credit hours.</i></p>  |
| <p>221e, 222<br/>ORGANIC CHEMISTRY<br/>MR. REID</p>                                 | <p>The chemistry of carbon compounds, aliphatic, aromatic, and heterocyclic, from the point of view of synthesis, structure, properties, and uses. Lecture.<br/><i>Prerequisite:</i> Chemistry 122. <i>Three credit hours.</i></p>  |
| <p>241e, 242<br/>ORGANIC CHEMISTRY<br/>MR. REID</p>                                 | <p>Lecture and text material the same as 221e, 222 but with laboratory sessions added: separations, purifications, syntheses, determination of important properties, elementary analysis. Lecture, discussion, and laboratory.<br/><i>Prerequisite:</i> Chemistry 142. <i>Five credit hours.</i></p>  |



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31 QUANTITATIVE ANALYSIS INSTRUCTOR	<p>A theoretical and practical study of fundamentals of gravimetric and volumetric methods of analysis. Laboratory work emphasizes the acquisition of manipulative skills. Lectures are devoted to principles underlying chemical analysis, literature of analytical chemistry, precision, and sources of error. Lecture and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 142. <i>Four credit hours.</i></p>
32 INSTRUMENTAL ANALYTICAL CHEMISTRY R. MACHEMER	<p>Theoretical and practical instruction in special instrumental methods. Laboratory work involves potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, gas chromatography, and radio chemistry. Lecture, discussion, and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 331, 342, and Mathematics 122 (may be taken concurrently with Chemistry 342). <i>Four credit hours.</i></p>
31, 342 PHYSICAL CHEMISTRY INSTRUCTOR	<p>The laws governing the physical and chemical behavior of substances, emphasizing the theories and methods of physical chemistry and the application of physical chemical principles to the solution of problems. Lecture, discussion, and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 331, Mathematics 122 (may be taken concurrently with Chemistry 341), and Physics 122. <i>Five credit hours.</i></p>
31 INORGANIC CHEMISTRY R. SMITH	<p>Current models and concepts of inorganic chemistry, with emphasis on both structural and reaction aspects. Topics include bonding and structure, periodic properties, acid-base theories, nonaqueous solvents, applications of thermodynamics, coordination compounds, and selected areas of descriptive chemistry of current interest. Lecture and discussion.</p> <p><i>Prerequisite:</i> Chemistry 342. <i>Four credit hours.</i></p>
31 QUALITATIVE ORGANIC ANALYSIS R. REID	<p>The systematic identification of organic compounds. Lecture and laboratory.</p> <p><i>Prerequisite:</i> Chemistry 332 and 342. <i>Four credit hours.</i></p>
32 ADVANCED ORGANIC CHEMISTRY R. REID	<p>Advanced topics, varied to suit the needs of the students: alicyclics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Lecture.</p> <p><i>Prerequisite:</i> Chemistry 242. <i>Two credit hours.</i></p>
34 ADVANCED PHYSICAL CHEMISTRY R. SMITH	<p>Important topics in molecular structure and behavior are discussed from a semirigorous point of view. The material can be varied to suit the needs of the student in areas of elementary quantum me-</p>

chanics, symmetry and group theory, molecular spectroscopy, and statistical mechanics. Lecture.

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

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447, 448

BIOCHEMISTRY

MR. MAIER

Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 121, 122 are recommended as preparation. Lecture.

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

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467, 468

BIOCHEMISTRY

MR. MAIER

Lecture and text material the same as 447, 448 but with laboratory sessions added.

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

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491, 492

INDEPENDENT STUDY

STAFF

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

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494

SEMINAR IN BIOCHEMISTRY

MR. MAIER

Reading and discussion of current literature, emphasizing a common theme in an emerging area of biochemistry.

*Prerequisite:* Chemistry 447 or 467 or permission of the department. *Two credit hours.*

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## Classics (IN TRANSLATION)

IN THE DEPARTMENT OF CLASSICS

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

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133

MYTH AND LITERATURE

MR. WESTERVELT

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

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†[232]

GREEK TRAGEDY

The development of tragedy as a dramatic form and its relationship to the contemporary changes in Athenian democracy. Read-

ings 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  
INSTRUCTOR

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.*

91, 492  
INDEPENDENT STUDY  
STAFF

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

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

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## East Asian Languages

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

11, 112  
LANGUAGES AND CIVILIZATION OF  
EAST ASIA  
R. SHERARD

Designed to give the student both an appreciation and a practical knowledge of important aspects of East Asian culture. Course matter will be eclectic and will cover such topics as Zen, Taoism, history, cuisine, literature, calligraphy, martial arts, family life, etiquette, and language. Students will be expected to master basic practical skills in both spoken and written Chinese and Japanese, plus specialized knowledge in one or more of the above-mentioned topics. The fall semester will focus on Japan, the spring semester on the Asian mainland, primarily China. This course, plus a subsequent full-year course of study in either Chinese or Japanese language and culture, is intended to prepare the student for a year's study in Japan, Hong Kong, or Taiwan.

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

13, 214  
JAPANESE LANGUAGE AND CULTURE  
R. SHERARD

A continuation of 112 for those students wishing to specialize in Japanese.

*Prerequisite:* East Asian Languages 112 and permission of the instructor. *Four credit hours.*

15, 216  
CHINESE LANGUAGE AND CULTURE  
R. SHERARD

A continuation of 112 for those students wishing to specialize in Chinese.

*Prerequisite:* East Asian Languages 112 and permission of the instructor. *Four credit hours.*

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<p>311 EAST ASIAN LINGUISTICS MR. SHERARD</p>	<p>Linguistic history and structure of the languages of East Asia. <i>Prerequisite:</i> East Asian Languages 214 or 216, and permission of the instructor. <i>Three credit hours.</i></p>
<p>312 CLASSICAL WRITTEN LANGUAGES OF EAST ASIA MR. SHERARD</p>	<p>Classical Chinese (<i>wen yan</i>) or Japanese (<i>bungo, kanbun</i>), depending on the interests and abilities of the student. <i>Prerequisite:</i> East Asian Languages 311 and permission of the instructor. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY MR. SHERARD</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>

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## East Asian Studies

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<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual study of special problems in East Asian civilization, offered in the departments which participate in the program. <i>Prerequisite:</i> Permission of the instructor and the program director. <i>One to four credit hours.</i></p>
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## Economics

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<p>141, 142 PRINCIPLES OF ECONOMICS STAFF</p>	<p>Principles of economics and their applications to modern economic problems. First semester: macroeconomics—national product and income accounting, monetary and fiscal policy, inflation, unemployment, and growth. Second semester: microeconomics—prices, markets, monopoly power, income distribution, and problems of the environment. <i>Three credit hours.</i></p>
<p>233 MACROECONOMIC THEORY MR. HANNA AND MR. HAGENS</p>	<p>Analysis of the theories of national income determination, the factors affecting employment and the price level. The basic Keynesian model will be studied in depth. <i>Prerequisite:</i> Economics 141, 142. <i>Three credit hours.</i></p>
<p>234 MICROECONOMIC THEORY MR. MEEHAN AND INSTRUCTOR</p>	<p>The theory of the pricing, distribution, and allocation of resources in a market economy. Emphasis will be placed on the various meanings of economic efficiency. <i>Prerequisite:</i> Economics 141, 142. <i>Three credit hours.</i></p>

<p>311d SEMINARS: ECONOMIC ANALYSIS AND POLICY STAFF</p>	<p>The methods of economic analysis studied in Economics 141, 142 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.</p> <p><i>Prerequisite:</i> Economics 141, 142. Three credit hours.</p>
<p>313 ECONOMIC DEMOGRAPHY INSTRUCTOR</p>	<p>Application of an economic framework to demographic areas of study: fertility, mortality, and migration. Investigation of the interrelations of economics and population in lesser-developed as well as developed countries.</p> <p><i>Prerequisite:</i> Economics 141, 142. Three or four credit hours.</p>
<p>331 INDUSTRIAL ORGANIZATION AND ANTITRUST ECONOMICS MR. MEEHAN</p>	<p>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. Formerly listed as Economics 321.</p> <p><i>Prerequisite:</i> Economics 141, 142. Three or four credit hours.</p>
<p>332 REGULATED INDUSTRIES MR. MEEHAN</p>	<p>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. Formerly listed as Economics 322.</p> <p><i>Prerequisite:</i> Economics 141, 142. Three or four credit hours.</p>
<p>†[333] ECONOMIC DEVELOPMENT</p>	<p>The developing areas and their prospects for economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process.</p> <p><i>Prerequisite:</i> Economics 141, 142. Three or four credit hours.</p>
<p>334 URBAN AND REGIONAL ECONOMICS INSTRUCTOR</p>	<p>Analysis of problems of urban resource allocation and regional growth. Topics include the use of space, housing, traffic, the environment, and urban poverty.</p> <p><i>Prerequisite:</i> Economics 141, 142. Three or four credit hours.</p>

<p>338 MONEY, BANKING, AND MONETARY POLICY MR. HANNA</p>	<p>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.</p> <p><i>Prerequisite:</i> Economics 141, 142. <i>Three credit hours.</i></p>
<p>351 PUBLIC FINANCE MR. HAGENS</p>	<p>The economic rationale of the public sector. Historical trends in government spending and taxation. Theories of public goods, externalities, collective choice, and public investment. The structure, incidence, and efficiency effects of income, profits, sales, and property taxation. Issues of tax reform.</p> <p><i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i></p>
<p>352 FISCAL POLICY MR. HAGENS</p>	<p>The theory and goals of economic stabilization policy. Topics include the monetarist-fiscalist controversy, the Phillips curve, and the burden of the public debt. The theory and development of fiscal federalism. Overview of public assistance programs.</p> <p><i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i></p>
<p>353 PUBLIC LABOR RELATIONS AND MANPOWER POLICY INSTRUCTOR</p>	<p>Development of public policy toward unions and collective bargaining. Some critical issues of manpower policy-minority group problems, discrimination in employment and in unions, national manpower needs and resources, investment in human capital.</p> <p><i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i></p>
<p>354 WAGES, EMPLOYMENT, AND COLLECTIVE BARGAINING INSTRUCTOR</p>	<p>Wage determination and manpower allocation in union and non-union labor markets. Implications of collective bargaining for such current issues as employment, inflation, national wage policy, and nonwage conditions of work.</p> <p><i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i></p>
<p>†[372] EUROPEAN ECONOMIC HISTORY</p>	<p>The framework of economic analysis applied to European historical patterns and trends. Aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions.</p> <p><i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i></p>
<p>*374 AMERICAN ECONOMIC HISTORY MR. GEMERY</p>	<p>The framework of economic analysis applied to American historical patterns and trends. Aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions.</p>

77 ENVIRONMENTAL ECONOMICS INSTRUCTOR	<i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i>
The impact of man's utilization of his environment. The technique of cost-benefit analysis will be developed for evaluating projects which exploit nature's resources. The effects of various methods for regulating the use of these resources will be investigated, including prices, taxes, rationing, congestion, and outright prohibition.	<i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i>
381, 382 INTERNATIONAL ECONOMICS DR. HOGENDORN	<i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i>
The nature of international economic relations, including the theory of international trade, international monetary analysis, monetary reform, capital movements and unilateral transfers, commodity agreements and cartels, international economic organizations.	<i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i>
[392] COMPARATIVE ECONOMIC SYSTEMS	<i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i>
The basic types of economic systems, with special attention to problems of economic management, planning, and development. Emphasis is on western Europe, Japan, the Soviet Union, and China. Formerly listed as Economics 344.	<i>Prerequisite:</i> Economics 141, 142. <i>Three or four credit hours.</i>
93 FOUNDATIONS OF ECONOMETRICS DR. HANNA	<i>Prerequisite:</i> Economics 141, 142. <i>Three credit hours.</i>
Applications of basic mathematical and statistical concepts to economic analysis. Economic functions, equilibrium, marginal analysis, systems of equations, derivatives, maxima and minima, probability, random variables and their distributions, and application of matrix algebra to input-output analysis and linear programming. Model building and the links between economic prior and posterior decisions.	<i>Prerequisite:</i> Economics 141, 142. <i>Three credit hours.</i>
94 ECONOMETRICS: THEORY AND APPLICATIONS DR. HANNA	<i>Prerequisite:</i> Economics 141, 142 and either Economics 393, Mathematics 241, or Mathematics 381. <i>Three credit hours.</i>
Introduction to econometric theory. Parameter estimation for single and multiple equation systems. Inference and hypothesis testing. Estimation of dynamic equation systems. Problems of designing single and multiple econometric models: serial correlation, multicollinearity, heteroscedasticity, lagged variables, dummy variables, identification, and simultaneous-equation bias.	<i>Prerequisite:</i> Economics 141, 142 and either Economics 393, Mathematics 241, or Mathematics 381. <i>Three credit hours.</i>
14 MATHEMATICAL ECONOMICS INSTRUCTOR	Model building: theory and applications. Introduction to mathematical programming and game theory. Theories of household, firm, general equilibrium, and welfare economics. Dynamic optimization: control theory, calculus of variations, and optimal economic growth.

*Prerequisite:* Economics 141, 142, 233, 234, 393, and either Mathematics 241 or Mathematics 381. *Three credit hours.*

431  
HISTORY OF ECONOMIC THOUGHT  
MR. GEMERY

An examination and appraisal of the development of economics theory. Major writing from the mercantilist period through the Keynesian is included. Extensive use of source material. Required of all majors. Formerly listed as Economics 411.

*Prerequisite:* Economics 141, 142 and senior standing. *Three credit hours.*

491, 492  
INDEPENDENT STUDY  
STAFF

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."

*Prerequisite:* Senior standing as economics major. *One to four credit hours.*

494  
SENIOR SEMINAR  
MR. HAGENS

Advanced topics in economic analysis and policy will be considered in a seminar held once weekly. Students will be expected to prepare and deliver seminar papers on advanced topics in economic analysis and policy.

*Prerequisite:* Senior standing as economics major. *Three credit hours.*

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## Education

213  
SOCIOLOGY OF EDUCATION  
MR. JACOBSON

The interaction between education and schooling, and school and society; school roles, functions, governance and control, and conflicts. From the viewpoint of the school: learning and teaching, curriculum, and innovations. From the viewpoint of the teacher: motives, characteristics, preparation, certification, professional organizations, and problems. The goal is attainment of a personal viewpoint on teaching. Open to prospective teachers. Prerequisite to Education 441. See also Education 253.

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

252  
CHILD AND ADOLESCENT  
PSYCHOLOGY  
MR. ZOHNER

Listed as Psychology 252 (*q.v.*). Prerequisite to Education 441. See also Education 254. *Three credit hours.*



<p>254                  FIELD EXPERIENCE IN EDUCATION                  PESTANA</p>	<p>Five hours weekly to be served as an assistant teacher in a local elementary school. Education 253 or 254 prerequisite to Education 441. Flexible credit. Nongraded.  <i>Prerequisite:</i> Permission of the instructor. <i>Two credit hours.</i></p>
<p>PHILOSOPHY OF EDUCATION                  HUDSON</p>	<p>Listed as Philosophy 333 (<i>q.v.</i>). Prerequisite to Education 441. See also Education 353. <i>Three credit hours.</i></p>
<p>HISTORY OF AMERICAN EDUCATION                  JACOBSON</p>	<p>American public elementary and secondary schools: a study of continuity and change, with special attention given to governance and control. Prerequisite to Education 441. See also Education 354.  <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>AMERICAN PHILOSOPHY                  HUDSON</p>	<p>Listed as Philosophy 352 (<i>q.v.</i>). <i>Three credit hours.</i></p>
<p>354                  FIELD EXPERIENCE IN EDUCATION                  PESTANA</p>	<p>Five hours weekly to be served as an associate teacher in a local junior high school. Education 353 or 354 prerequisite to Education 441. Flexible credit. Nongraded.  <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. <i>Two credit hours.</i></p>
<p>TEACHING OF ENGLISH OR                  MODERN FOREIGN LANGUAGES                  FFF</p>	<p>Listed as English 411 or Modern Foreign Languages 411 (<i>q.v.</i>). Required of majors who desire the Maine secondary-school-teaching certificate. <i>Three credit hours.</i></p>
<p>442                  INDEPENDENT TEACHING: THEORY                  AND PRACTICUM                  JACOBSON</p>	<p>Secondary-school curricula, materials, media, and methods; basic models of teaching, learning environments, and planning. Professionalization of teachers: organizations, power, collective bargaining, constraints, and opportunities. Full-time teaching required in January. Both semesters required for certification. See also Education 453, 454. Nongraded.  <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. <i>Three credit hours.</i></p>
<p>454                  FIELD EXPERIENCE IN EDUCATION                  JACOBSON</p>	<p>Five hours weekly to be served as a student teacher in a local high school. 453 required of those students who will teach locally in January. Flexible credit. Nongraded.</p>

*Prerequisite:* A major commonly taught in secondary school, and permission of the instructor. *Two credit hours.*

491, 492  
INDEPENDENT STUDY  
STAFF

Independent study of advanced topics and areas of individual interest in research and development.

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

## English

111, 112  
ENGLISH FUNDAMENTALS  
INSTRUCTOR

Tutorial aid and intensive drill in the fundamentals of written English for those whose native language is not English or whose training in English is limited. Nongraded.

*Prerequisite:* Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111 or 112. *Three credit hours.*

115  
ENGLISH COMPOSITION  
MS. FERSTER AND OTHERS

Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for freshmen unless exempted. *Three credit hours.*

117, 118  
CREATIVE WRITING  
MR. HARRIS AND OTHERS

Introduction to the writing of poetry and fiction, with emphasis on student manuscripts.

*Prerequisite:* English 115 or exemption. *Three credit hours.*

152d  
INTRODUCTION TO LITERATURE  
MR. MACKAY 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 and detailed analysis of imaginative literature and careful critical writing.

*Prerequisite:* English 115 or exemption. *Three credit hours.*

171  
GENERAL SPEECH  
MR. WITHAM

Fundamental principles of the composition and oral delivery of speeches. Enrollment limited. *Two credit hours.*

215, 216  
EXPOSITORY WRITING WORKSHOPS  
MR. KOONCE

Workshops for students wishing to improve their ability to write on topics studied in other courses. Student papers will be presented for workshop criticism so that they may be revised. There will

	<p>also be weekly class sessions concerned with rhetorical structure and prose style. The instructor will assign students to the various workshops in accordance with their individual needs and competence. May be repeated for additional credit.</p> <p><i>Prerequisite:</i> English 115 and permission of the instructor. <i>One to three credit hours.</i></p>
<p>21, 222 MAJOR BRITISH WRITERS DR. ARCHIBALD AND OTHERS</p>	<p>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></p>
<p>51d MAJOR AMERICAN AUTHORS DR. KENNEY AND OTHERS</p>	<p>An introduction to American literature, 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></p>
<p>52d INTRODUCTION TO AMERICAN STUDIES DR. BASSETT AND OTHERS</p>	<p>A selected aspect of American thought and culture, employing tools of other academic disciplines to supplement the basic literary orientation of the course. May be repeated once for added credit with permission of the department. <i>Three credit hours.</i></p>
<p>71 ARGUMENTATION AND DEBATE DR. WITHAM</p>	<p>Principles of argumentation, with application in extended persuasive speeches and formal debate.</p> <p><i>Prerequisite:</i> English 171 or permission of the instructor. <i>Three credit hours.</i></p>
<p>75 THE ART OF THE NARRATIVE FILM DR. SUSS</p>	<p>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 film making. <i>Three credit hours.</i></p>
<p>17 INTERMEDIATE FICTION WORKSHOP DR. GILLESPIE</p>	<p>Practice in the writing of short stories, with major emphasis on student manuscripts. Formerly listed as English 217.</p> <p><i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i></p>
<p>18 INTERMEDIATE POETRY WORKSHOP DR. GILLESPIE</p>	<p>Practice in the writing of poetry, with major emphasis on student manuscripts. Formerly listed as English 218.</p> <p><i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i></p>

†[331] MEDIEVAL LITERATURE	<i>Beowulf</i> and other Old English elegiac and heroic poetry, <i>Sir Gawain and the Green Knight</i> , Old and Middle English religious and secular lyrics, and <i>The Canterbury Tales</i> . <i>Three credit hours.</i>
†[332] THE RENAISSANCE	The influence of Renaissance and Reformation thought on the literature of the English Renaissance. Readings will be drawn from the intellectual backgrounds, Spenser, selected plays of the early sixteenth century and of Marlowe, Kyd, Shakespeare, Tourneur, and Webster. <i>Three credit hours.</i>
333 THE SEVENTEENTH CENTURY MR. KOONCE	Poetic and intellectual traditions in the late sixteenth and seventeenth centuries as represented by Shakespeare, Donne, Milton, Dryden, and selected minor poets. <i>Three or four credit hours.</i>
334 THE EIGHTEENTH CENTURY MR. SWENEY	Selected works by Pope, Swift, Johnson, Blake, and other poets, essayists, novelists, and dramatists of the century. <i>Three credit hours.</i>
335 THE ROMANTIC PERIOD MR. SUTHERLAND	Representative poems of the major romantic poets, with ancillary readings in the novel and the drama designed to explore and test the political, conceptual, and imaginative coherence of romanticism and its relationship to earlier literature. <i>Three or four credit hours.</i>
336d1 THE VICTORIAN PERIOD MISS CURRAN	The world of early and mid-Victorian England—roughly 1832-70—and of the poetry, fiction, and nonfiction through which it reflected and interpreted itself. Authors will include Carlyle, Tennyson, Browning, Thackeray, Dickens, and Arnold. <i>Three or four 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 1976-77 will be Yeats, Eliot, and Joyce. <i>Three credit hours.</i>
338 CONTEMPORARY POETRY MR. GILLESPIE	A survey of poetry written in English from 1940 to the present, emphasizing poets who best represent the kinds of poetry of the period—objectivism, projectivism, confessional poetry, the deep image, etc. <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 or four credit hours.</i>

<p>351d2 EARLY AMERICAN AUTHORS MR. HARRIS</p>	<p>Selected prose and poetry from the Puritan period, the Age of Reason, and the preromantic movement in American literature. <i>Three credit hours.</i></p>
<p>352 THE AMERICAN RENAISSANCE MR. BRANCACCIO</p>	<p>The major works of Emerson, Thoreau, Hawthorne, Melville, and Whitman. <i>Three credit hours.</i></p>
<p>353 REALISM AND NATURALISM MR. KENNEY</p>	<p>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></p>
<p>354d1 MODERN AMERICAN LITERATURE MR. HARRIS</p>	<p>Studies in major twentieth-century American authors, including Fitzgerald, Hemingway, Faulkner, Frost, Pound, Stevens, and other writers of fiction and poetry who represent significant trends in modern literature. <i>Three credit hours.</i></p>
<p>355 BLACK AMERICAN LITERATURE INSTRUCTOR</p>	<p>The writings of Black Americans, with emphasis on autobiography, fiction, and poetry of the twentieth century. <i>Three credit hours.</i></p>
<p>356 CONTEMPORARY AMERICAN FICTION MR. BASSETT</p>	<p>Major writers of American fiction since 1945, with some attention to the modernist tradition of Faulkner, Hemingway, and Fitzgerald. Works of Mailer, Bellow, Barth, Updike, Pynchon, and others will be analyzed, emphasizing the pattern of experience of the hero in conflict with the modern world. <i>Three credit hours.</i></p>
<p>371 EIGHTEENTH-CENTURY BRITISH FICTION MR. SWENEY</p>	<p>Representative British novels of the eighteenth century by such writers as DeFoe, Richardson, Fielding, Smollett, and Sterne. <i>Three or four credit hours.</i></p>
<p>372 NINETEENTH-CENTURY BRITISH FICTION MISS CURRAN</p>	<p>Representative British novels of the nineteenth century by such writers as Austen, the Brontës, Dickens, Thackeray, Eliot, Meredith, Trollope, and Hardy. <i>Three or four credit hours.</i></p>
<p>373] THE DEVELOPMENT OF DRAMATIC ART I</p>	<p>Discussion of typical plays of the western world in the context of conditions and conventions of performance from Greek and Roman times through the Middle Ages and the early Renaissance. <i>Three credit hours.</i></p>

<p>[374] THE DEVELOPMENT OF DRAMATIC ART II</p>	<p>A sequel to English 373, from the later Renaissance through the neoclassic and romantic periods to the beginnings of realism in the nineteenth century. There will be a brief collateral examination of the theatre of the Orient. <i>Three credit hours.</i></p>
<p>*375 MODERN DRAMA I MR. SUSS</p>	<p>Discussion of typical plays of Europe and America in the context of conditions and conventions of performance, emphasizing the works of Ibsen, Chekhov, and Strindberg. <i>Three credit hours.</i></p>
<p>*376 MODERN DRAMA II MR. SUSS</p>	<p>A sequel to English 375, emphasizing plays of the contemporary American and French theatres. The concepts of modern theatre theoreticians and practitioners like Antonin Artaud and Jerzy Grotowski will be examined collaterally. <i>Three credit hours.</i></p>
<p>377d2 HISTORY OF LITERARY CRITICISM MR. HARRIS</p>	<p>Principles and history of literary criticism, ancient through modern, with special attention to Plato, Aristotle, Coleridge, and Eliot. <i>Three or four credit hours.</i></p>
<p>378d1 HISTORY OF THE ENGLISH LANGUAGE MR. MACKAY</p>	<p>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. <i>Three credit hours.</i></p>
<p>383, 384 STUDIES IN SHAKESPEARE MR. BENBOW</p>	<p>Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. English 383 and 393 may not both be taken for credit. <i>Prerequisite: English 221. Three credit hours.</i></p>
<p>391d2 CHAUCER MS. FERSTER</p>	<p>The works of Chaucer, ranging from some of the early dream visions to <i>Troilus and Criseyde</i> and some of the <i>Canterbury Tales</i>, emphasizing the relationship between his ideas and the various poetic forms and techniques he used to develop them. <i>Three credit hours.</i></p>
<p>392 SPENSER MR. BENBOW</p>	<p>The poetry of Spenser, with particular attention to <i>The Faerie Queene</i> and the problem of Renaissance epic. <i>Three or four credit hours.</i></p>
<p>[393] INTRODUCTION TO SHAKESPEARE</p>	<p>Lectures on the major comedies, histories, and tragedies selected to cover Shakespeare's career and to illustrate the nature of Shake</p>

spearean drama. English 383 and 393 may not both be taken for credit. *Three credit hours.*

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<p>[394] MILTON</p>	<p>The poetry and major prose of John Milton. <i>Three credit hours.</i></p>
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<p>411 THE TEACHING OF ENGLISH MRS. PESTANA AND OTHERS</p>	<p>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. <i>Prerequisite:</i> Concurrent enrollment in Education 441 or permission of the instructor. <i>Three credit hours.</i></p>
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<p>417 ADVANCED POETRY WORKSHOP MR. GILLESPIE</p>	<p>Practice in the writing of poetry, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 217 or 218 or permission of the instructor. <i>Three credit hours.</i></p>
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<p>418 ADVANCED FICTION WORKSHOP MR. GILLESPIE</p>	<p>Practice in the writing of short stories and longer fiction, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 217 or 218 or permission of the instructor. <i>Three credit hours.</i></p>
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<p>[433] RESTORATION LITERATURE</p>	<p>The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. <i>Three credit hours.</i></p>
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<p>472d ORAL INTERPRETATION MR. WITHAM</p>	<p>Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. <i>Three credit hours.</i></p>
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<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Consent of a project adviser and permission of the chairman. <i>One to four credit hours.</i></p>
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<p>493, 494 SEMINARS IN BRITISH AND AMERICAN LITERATURE STAFF</p>	<p>Topics will change each semester, and a complete description will be published before registration. <i>Three or four credit hours.</i></p>
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## Environmental Studies

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491, 492  
INDEPENDENT STUDY  
STAFF

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

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

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## Field Experience

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-95, -96  
FIELD EXPERIENCE

Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Flexible credit. Nongraded, credit or no entry, unless otherwise stipulated in project proposal.

*Prerequisite:* Approval of department or program committee. *One to fifteen credit hours.*

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## French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 114 are conducted in French.*

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111, 112  
ELEMENTARY FRENCH  
STAFF

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

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113, 114  
INTERMEDIATE FRENCH  
STAFF

First semester: an intensive review of the fundamentals of the language. Practice in the oral-aural skills, supplemented by work in the language laboratory; composition based on short readings. Second semester: a variety of topics and approaches to reading materials in French. Descriptions of each section will be published each year prior to spring registration.

*Prerequisite:* French 112 or appropriate score on the CEEB achievement test. Permission of department required to take 114 without 113. *Three credit hours.*



<p>15d          PRACTICAL PHONETICS          L. FERGUSON</p>	<p>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 ten. Does not fulfill language requirement. Nongraded.  <i>Prerequisite:</i> Concurrent enrollment in any-level French course or previous training equivalent to one year of college French; preference given to the former. <i>Two credit hours.</i></p>
<p>15, 126          INTRODUCTION TO FRENCH LITERATURE          L. FERGUSON</p>	<p>Introduction to French literature through the reading of selected masterpieces illustrative of the major genres. Intensive reading and <i>analyse de texte</i>.  <i>Prerequisite:</i> French 114 or three years of high school French and appropriate score on the placement test. Qualified students may be admitted to the second semester without the first. <i>Three credit hours.</i></p>
<p>1d          ADVANCED FRENCH          L. FERGUSON</p>	<p>An advanced review of grammar with practice in oral expression and written composition. Required for French majors unless exempted by examination. Enrollment limited.  <i>Prerequisite:</i> French 114 and permission of the instructor. <i>Three credit hours.</i></p>
<p>13, 224          FRENCH CIVILIZATION          L. BIRON</p>	<p>A history of French society and its culture from the Middle Ages to the present. Supplementary readings in French literature as examples of social or intellectual attitudes.  <i>Prerequisite:</i> French 126. <i>Three or four credit hours.</i></p>
<p>11, 242          CONTEMPORARY FRENCH LITERATURE          L. REITER AND MR. WEISS</p>	<p>An introduction to modern literature through some of the themes that have inspired novels, poetry, and drama. Non-French majors may choose to write papers and examinations in English.  <i>Prerequisite:</i> French 126 or permission of the instructor. <i>Three or four credit hours.</i></p>
<p>351]          FRENCH-CANADIAN LITERATURE</p>	<p>The literature of the province of Québec, with principal emphasis on the contemporary novel. Additional reading in the history and civilization of French Canada.  <i>Prerequisite:</i> A 200-level French literature course or permission of the instructor. <i>Three or four credit hours.</i></p>
<p>15          TOPICS IN SEVENTEENTH-CENTURY FRENCH PROSE          L. FERGUSON</p>	<p>In 1976-77: careful reading of representative works by major novelists and <i>moralistes</i>. Required readings in the social and intellectual background. Non-French majors may elect to write papers and examinations in English.</p>

*Prerequisite:* A 200-level French literature course or permission of the instructor. *Three or four credit hours.*

356

TOPICS IN EIGHTEENTH-CENTURY  
FRENCH LITERATURE  
INSTRUCTOR

In 1976-77: "Literature of the Enlightenment." Study of literature as a vehicle for the propagation of radical ideas of the French Enlightenment, using selected works of Montesquieu, Voltaire, Diderot, Rousseau, and Beaumarchais. Non-French majors may choose to write papers and examinations in English.

*Prerequisite:* A 200-level French literature course or permission of the instructor. *Three or four credit hours.*

357

TOPICS IN NINETEENTH-CENTURY  
FRENCH POETRY  
MR. BUNDY

Baudelaire and symbolist poetry.

*Prerequisite:* A 200-level French literature course. *Three or four credit hours.*

358

TOPICS IN NINETEENTH-CENTURY  
FRENCH LITERATURE  
MR. BUNDY

The major novelists of the nineteenth century: Stendhal, Balzac, Flaubert, and Zola. Formerly included in French 347, 348.

*Prerequisite:* A 200-level French literature course. *Three or four credit hours.*

375

TOPICS IN TWENTIETH-CENTURY  
FRENCH LITERATURE  
MR. WEISS

In 1976-77: "Twentieth-Century Theatre"—a survey of important dramatic works in France since the turn of the century. Plays will be read as theatre to be performed rather than as literature.

*Prerequisite:* A 200-level French literature course or permission of the instructor. *Three or four credit hours.*

412

ADVANCED COMPOSITION AND  
STYLISTICS  
MR. BIRON

Characteristics of French style as seen in various authors. Representative readings and free composition, with some work in the history of the language.

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

491, 492

INDEPENDENT STUDY  
STAFF

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

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

[493], 494

SEMINAR IN FRENCH LITERATURE  
MR. FILOSOF

Topics may cover an author, a genre, or a literary movement. The topic to be offered in the spring of 1977 will be announced during the preceding fall semester. Non-French majors may write papers in English.

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

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<p>99d LANGUAGE TEACHING STAFF</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Flexible credit. Nongraded. <i>Two credit hours.</i></p>
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## Geology

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<p>121e, 122j INTRODUCTION TO GEOLOGICAL SCIENCE I<sup>1</sup></p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes. Lecture. <i>Three credit hours.</i></p>
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<p>141e, 142 INTRODUCTION TO GEOLOGICAL SCIENCE II<sup>1</sup> MR. KOONS AND MR. ALLEN</p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes; laboratory and field sessions. Enrollment limited to three laboratory sections of 25 to 30 students; recommended for those planning to major in geology or environmental studies. Lecture and laboratory. <i>Four credit hours.</i></p>
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<p>161e, 162 PROBLEMS IN GEOLOGY<sup>1</sup> MR. PESTANA</p>	<p>A study of selected major problems under active investigation about which there is disagreement among competent scholars. At least one problem each semester involves extensive individual laboratory or field investigation. Not an introduction to geologic mechanisms and processes, and not for students planning to major in geology. Enrollment limited to 20 to 25 students. Satisfies the laboratory science distribution requirement. <i>Three credit hours.</i></p>
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<p>172 OCEANOGRAPHY MR. PESTANA</p>	<p>A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents, and other important dynamic features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. Lecture. <i>Three credit hours.</i></p>
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<p>174 OCEANOGRAPHY LABORATORY MR. PESTANA</p>	<p>Laboratory exercises in oceanography and a field trip to the seashore. Enrollment limited to 25 students. <i>Prerequisite:</i> Concurrent enrollment in Geology 172 and permission of the instructor. <i>One credit hour.</i></p>
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<p>1 SEDIMENTATION</p>	<p>Processes of sedimentation, methods of analysis of sediments, the description and interpretation of environments of deposition, and</p>
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MR. PESTANA

the classification and description of sedimentary rocks. Lecture and laboratory.

*Prerequisite:* Geology 122 or 142 or 161, 162 or permission of the instructor. *Four credit hours.*

†[214]

ROCKS IN HAND SPECIMEN

Identification and description of rocks in hand specimen, and study of the modes of formation. Igneous, sedimentary, and metamorphic rocks are considered systematically. Field occurrences will be emphasized whenever possible. May not be taken for credit following Geology 321, 322. Lecture and laboratory.

*Prerequisite:* Geology 122 or 142 (may be taken concurrently) *Four credit hours.*

†[221, 222]

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 122 or 142. *Three credit hours.*

\*241, 242

GEOLOGIC STRUCTURES AND FIELD  
METHODS  
MR. ALLEN

Analysis of rock structures and their significance, and techniques of field mapping. Lecture and laboratory.

*Prerequisite:* Geology 122 or 142 or 161, 162. *Four credit hours.*

251

INVERTEBRATE PALEONTOLOGY  
MR. PESTANA

Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory.

*Prerequisite:* Geology 122 or 142 or 162 or one year of biology *Four credit hours.*

252

MICROPALAEONTOLOGY  
MR. PESTANA

A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation.

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

254

ADVANCED INVERTEBRATE  
PALEONTOLOGY  
MR. PESTANA

A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, age determination, and environmental interpretation.

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

271  
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 122 or 142 or 162. Three credit hours.*

281, 282  
MINERALOGY  
R. ALLEN

Physical properties and chemical structure of minerals leading to investigation of the chemical composition and optical properties of minerals with the petrographic microscope and emission spectrograph. Lecture and laboratory.  
*Prerequisite: Geology 121 or 141, and Chemistry 141 (may be taken concurrently) or permission of the instructor. 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.*

[321, 322]  
IGNEOUS AND METAMORPHIC  
PETROLOGY

Hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. May be taken for credit in addition to Geology 214. Lecture and laboratory.  
*Prerequisite: Geology 282. Four credit hours.*

352  
STRATIGRAPHY  
R. 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 211, and Geology 251 or Biology 313. Four credit hours.*

383, 484  
ENVIRONMENTAL GEOLOGY  
R. KOONS

Selected topics dealing with environmental quality. Extensive individual investigation.  
*Prerequisite: Senior standing as an environmental studies major. One to four credit hours.*

491, 492  
INDEPENDENT STUDY  
AFF

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.*

<sup>1</sup>Of the year sequences 121e, 122, 141e, 142, 161e, 162, not more than one sequence may be offered for course credit.

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## German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 114 are conducted in German.*

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<p>111, 112 ELEMENTARY GERMAN STAFF</p>	<p>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. <i>Four credit hours.</i></p>
<p>113, 114 INTERMEDIATE GERMAN STAFF</p>	<p>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. A program of supplementary readings is available for a fourth credit hour. <i>Prerequisite:</i> German 112 or two years of high school German and appropriate score on the placement test. <i>Three or four credit hours.</i></p>
<p>231 MASTERPIECES OF GERMAN LITERATURE INSTRUCTOR</p>	<p>Introduction to German literature through readings of selected masterpieces illustrative of major literary movements (not open to students previously enrolled in German 231). <i>Prerequisite:</i> German 114 or equivalent. <i>Three or four credit hours.</i></p>
<p>232 COMPOSITION AND CONVERSATION MR. SCHMIDT</p>	<p>Advanced conversational German, with minor stress on grammar and composition. Class recitation based on language-laboratory work. <i>Prerequisite:</i> German 114 or permission of the instructor. <i>Three credit hours.</i></p>
<p>336 TRANSLATION MR. KUETER</p>	<p>The art of translating from English to German and German to English, based on both literary German as well as contemporary journalistic style. <i>Prerequisite:</i> A 200-level German literature course. <i>Three or four credit hours.</i></p>
<p>353 TOPICS IN EIGHTEENTH-CENTURY GERMAN LITERATURE MR. SCHMIDT</p>	<p>The topic for fall 1976 will be "Goethe's <i>Faust</i>." <i>Prerequisite:</i> A 200-level German literature course. <i>Three or four credit hours.</i></p>

355  
TOPICS IN NINETEENTH-CENTURY  
GERMAN LITERATURE  
MR. KUETER

The topic for fall 1976 will be "The German Romantic Movement."  
*Prerequisite:* A 200-level German literature course. *Three or four credit hours.*

358  
TOPICS IN TWENTIETH-CENTURY  
GERMAN LITERATURE  
MR. SCHMIDT

The topic for spring 1977 will be "Naturalism and Expressionism."  
*Prerequisite:* A 200-level German literature course. *Three or four credit hours.*

491, 492  
INDEPENDENT STUDY  
STAFF

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

[493, 494]  
SEMINAR IN GERMAN LITERATURE

Topics, which change each semester, may cover an author, a genre, or a literary movement.  
*Prerequisite:* A 300-level German literature course. *Three or four credit hours.*

499d  
LANGUAGE TEACHING  
STAFF

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Flexible credit. Nongraded. *Two credit hours.*

## Government

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

31, 132  
INTRODUCTION TO THE STUDY OF  
THE POLITICAL ORDER  
STAFF

An introduction to thought about the art and science of politics and to diverse forms of political action. Each instructor approaches politics in terms of a different problem. A description of the work for each section is available at registration. Students may not study with the same instructor more than one semester. Open to freshmen only. *Three credit hours.*

355  
IMPERIALISM AND NATIONALISM IN  
EAST ASIA  
MR. KODAMA

Nineteenth- and twentieth-century international activity in East Asia and the Pacific basin. Particular attention is given to relations between China, Japan, and the United States, and to an understanding of these relationships in terms of the concepts of imperialism and nationalism. *Three credit hours.*

<p>138  <b>JAPAN AND THE UNITED STATES IN EAST ASIA</b>          MR. KODAMA</p>	<p>United States-Japan relations from the Meiji restoration to the present. Emphasis will be on the consequences for Japan of American policies in the Pacific, especially in terms of political reforms designed and implemented by the Allied occupation. <i>Three credit hours.</i></p>
<p>211  <b>THE AMERICAN SYSTEM AND THE SHAPING OF THE MODERN POLITY</b>          MR. MAVRINAC</p>	<p>A systematic introduction to the ideas, practices, and experiences which 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 the student's overall model of the American political system and to develop an appreciation of contemporary approaches of political scientists to political phenomena. Particularly intended as an introduction to American political thought, and to serve as a foundation for further work in American government and politics, the political systems of other developed societies, and political theory. Intended for sophomores from a variety of majors, including American studies and government. <i>Four credit hours.</i></p>
<p>215  <b>TRANSNATIONAL POLITICS IN THE MODERN WORLD</b>          MR. WEISSBERG</p>	<p>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. <i>Three credit hours.</i></p>
<p>231  <b>CONTEMPORARY JAPANESE POLITICS</b>          MR. KODAMA</p>	<p>A survey of the political process in postwar Japan, with emphasis on some of the major institutions of political life. <i>Three credit hours.</i></p>
<p>234  <b>EUROPEAN POLITICS</b>          MR. HAUSS</p>	<p>An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. <i>Three credit hours.</i></p>
<p>258  <b>AMERICAN GOVERNMENT AND POLITICS: THE EXECUTIVE-LEGISLATIVE CONFLICT</b>          MR. MAISEL</p>	<p>The relationship between the executive and legislative branches from theoretical and historical perspectives as well as in the light of current discussion, centering around assertions of presidential powers and prerogatives and congressional efforts to exercise effective control over governmental decision making. Beginning in 1976-</p>



	77, familiarity with material covered in Government 211 will be assumed. Formerly listed as Government 257. <i>Three or four credit hours.</i>
271 ASIAN REVOLUTIONARY MOVEMENTS MR. KODAMA	An examination of revolutionary political change in India, China, and Vietnam. The social forces making for revolution, the characteristics of revolutionary leadership, and the problems of mobilization and organization in revolutionary struggles. <i>Three credit hours.</i>
314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC	The United States Supreme Court and constitutional litigation as part of the American political process. <i>Four credit hours.</i>
321, 322 POLITICAL THEORY MR. MAVRINAC	Some of the principal western approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. Beginning in 1977-78, familiarity with material covered in Government 211 will be assumed. <i>Three credit hours.</i>
332 POLITICAL DEVELOPMENT MR. KODAMA	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. <i>Three credit hours.</i>
[333] TOTALITARIAN GOVERNMENT AND POLITICS	The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. <i>Three credit hours.</i>
334 CONTEMPORARY FORMS OF POLITICAL ANALYSIS MR. HAUSS	The principal approaches to political analysis used by contemporary political scientists. Particular attention is given to the application of these approaches to the study of comparative political institutions. Government 321 is recommended as a preliminary to this course. <i>Three credit hours.</i>
*336 INTERNATIONAL ORGANIZATION MR. WEISSBERG	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>

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351 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 credit hours.</i>
†[353] COMPARATIVE POLITICAL PARTIES	Political parties as organizations in political systems. An introduction to some theories and approaches in the study of parties, and a study of instances, or cases, of party ideology, policy, and structure in several nations. <i>Three credit hours.</i>
†[355] POLITICAL BEHAVIOR	The relationship between citizens and their government, emphasizing the behavior of interest groups and others who organize to affect governmental action. <i>Three or four credit hours.</i>
*356d1 PARTIES AND THE ELECTORAL PROCESS MR. MAISEL	An analysis of partisan politics and elections in the United States, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. <i>Three or four credit hours.</i>
†[357] POLITICS IN FRANCE AND ITALY	An examination of attempts in both countries to cope with their centralized political structures, fragmented political cultures, and ideological divisions. In particular, the French fifth republic will be contrasted with the postwar Italian republic. Thorough familiarity with material covered in Government 234 is assumed. <i>Three credit hours.</i>
[377] SPECIAL PROBLEMS IN LOCAL GOVERNMENT	Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally, the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. <i>Three credit hours.</i>
[391] THE AMERICAN BUREAUCRAT	The context within which the professionals staffing the executive branch of the American national government work: personnel policies, operating codes, and operating techniques in the national bureaucracy. An analysis will be made within an understanding of the bureaucratic phenomenon as such. <i>Three credit hours.</i>

393  
 STATE AND LOCAL GOVERNMENT  
 DR. FARR

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. *Three credit hours.*

413  
 THE EUROPEAN LEFT SINCE 1945  
 DR. HAUSS

A thorough analysis of the evolution of the European left since World War II, with particular attention to the impact of long-term social and economic change on the programs and support of left-wing political parties and movements. Thorough familiarity with the material covered in Government 234 is assumed. *Three credit hours.*

435  
 SEMINAR IN AMERICAN NATIONAL GOVERNMENT AND POLITICS  
 DR. MAISEL

The American national government as organization and process, and the elements of national political life.  
*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.*

457  
 FOREIGN POLICY OF THE UNITED STATES  
 DR. WEISSBERG

Problems of planning and executing American foreign policy.  
*Prerequisite:* Government 335 or equivalent or permission of the instructor. *Three credit hours.*

[458]  
 SEMINAR ON THE UNITED NATIONS

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.*

478  
 SEMINAR IN JAPANESE POLITICS  
 DR. KODAMA

An advanced seminar on politics and the policy-making process in postwar Japan. In 1977 this seminar will focus on the role of political opposition in Japanese politics. Particular attention will be given to left-wing parties and other organizations. *Three credit hours.*

491, 492  
 INDEPENDENT STUDY  
 DR. MAFF

A study of government through individual projects.  
*Prerequisite:* Government major and permission of the department chairman. *Two to four credit hours.*

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# Greek

IN THE DEPARTMENT OF CLASSICS

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111 Introduction to Homeric Greek. *Four credit hours.*  
INTRODUCTORY GREEK  
MRS. KOONCE

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112 Readings in Homer's *Iliad*. Does not satisfy college language re-  
quirement. *Four credit hours.*  
INTERMEDIATE GREEK  
MRS. KOONCE

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131 *The Odyssey of Homer. Three credit hours.*  
INTRODUCTION TO GREEK  
LITERATURE  
MR. WESTERVELT

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232 Plato: *Apology, Crito, Euthryphro. Three or four credit hours.*  
ATTIC PROSE  
MRS. KOONCE

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†[254] Euripides. *Three or four credit hours.*  
ATTIC POETRY

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†[351] Thucydides. *Three or four credit hours.*  
GREEK LITERATURE

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\*352 Sophocles. *Three or four credit hours.*  
GREEK LITERATURE  
MRS. KOONCE

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†[353] Demosthenes. *Three or four credit hours.*  
GREEK LITERATURE

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\*355 Herodotus. *Three or four credit hours.*  
GREEK LITERATURE  
MRS. KOONCE

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[356] Plato. *Three or four credit hours.*  
GREEK LITERATURE

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\*414 Aristophanes. *Three or four credit hours.*  
 SEMINAR  
 TAYLOR LECTURER

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491, 492 Reading in a field of the student's interest, with essays and conferences. *One to three credit hours.*  
 INDEPENDENT STUDY  
 STAFF

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[493] Aeschylus. *Three credit hours.*  
 SEMINAR

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## History

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

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111 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.*  
 THE RISE OF EUROPE  
 MR. GILLUM

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112 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.*  
 THE DECLINE OF EUROPE  
 MR. GILLUM

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133, 134 Selected problems in the premodern and modern history of China and Japan, which may include: continuity and change in a traditional society, the intellectual dimension of culture, the integrative factors of a period in history, cross-cultural encounters, reform, and revolution. *Three credit hours.*  
 INTRODUCTION TO THE HISTORY OF  
 EAST ASIA  
 INSTRUCTOR

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221, 222 The interaction of cultures in East Asia. First semester: the traditional civilization in China and Japan, with some attention to peripheral areas. Second semester: Chinese and Japanese reactions to western stimuli in the nineteenth and twentieth centuries, the problems of wealth and power, and the trials of revolution and war. May  
 HISTORY OF EAST ASIAN  
 CIVILIZATION  
 INSTRUCTOR

not be repeated for additional credit by students who took History 297, 298 in 1974-75. *Three credit hours.*

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223, 224

SURVEY OF UNITED STATES  
HISTORY  
INSTRUCTOR

United States history from the age of discovery to the present. Although chronological symmetry is maintained, an effort is made to demonstrate the particular value of political, economic, and constitutional interpretations. Open to a limited number of freshmen. *Three credit hours.*

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†[231]

MEDIEVAL CIVILIZATION,  
476-1300

Medieval civilization from the decline of Roman unity to the beginnings of the Renaissance. Emphasis will be placed on both western and nonwestern (Byzantine and Moslem) influences in the development of the "first Europe" of Christendom. *Three or four credit hours.*

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†[232]

RENAISSANCE AND REFORMATION,  
1300-1648

Intellectual and cultural history of the period of transition from the "first Europe" of Christendom to the "second Europe" of sovereign independent states. *Three or four credit hours.*

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237

THE EMERGENCE OF MODERN  
BRITAIN, 1688-1867  
MR. GILLUM

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

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238

BRITAIN SINCE 1867  
MR. GILLUM

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

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273

THE AMERICAN INDUSTRIAL  
REVOLUTION  
MR. BRIDGMAN

The economic and social impact on the United States of the Industrial Revolution. Focus is upon the twin emergent giants, the factory and the city, from 1865 to 1915. Topics include unionism, income scaling, occupational diversity, city manners, social Darwinism, and political unrest. *Three credit hours.*

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276

THE HISTORY OF ETHNIC GROUPS  
IN AMERICA  
INSTRUCTOR

The experience of ethnic groups in the American past, with special attention to Maine's most notable subcultures, native and Franco-American. *Three credit hours.*

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277

BLACK HISTORY I  
INSTRUCTOR

The history of the Black American and race relations from the African background to the 1830's. Open to freshmen. *Three credit hours.*

278 BLACK HISTORY II INSTRUCTOR	The history of the Black American and race relations from the 1830's through the Progressive Era, stressing emancipation, reconstruction, the New South, the Du Bois-Washington conflict, the Niagara Movement, and the rise of the NAACP. Open to freshmen. <i>Three credit hours.</i>
311 TUTORIAL IN HISTORY MR. RAYMOND	Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to six students. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
316 MODERN REVOLUTION MR. RAYMOND	Differing historical explanations of the nature and origin of political revolution, 1500 to 1970. Theories of revolution will be related to a number of specific case studies presented at class meetings and developed through individual student research studies. Formerly listed as History 315. <i>Three credit hours.</i>
[318] THE AGE OF THE BAROQUE	Ideas, institutions, and representational forms of Europe in the early modern era: the sixteenth-century background, the age of the religious wars, the crisis of the seventeenth century, and the preliminary shaping of eighteenth-century conflict. <i>Three or four credit hours.</i>
*323, 324 EUROPEAN DIPLOMATIC HISTORY MR. BERSCHNEIDER	Diplomacy, its methodology and history. The first semester will examine the development of the modern European state system and the diplomatic relations that existed among the major powers from 1815 to ca. 1875. The second semester will emphasize the extension of this system throughout the world in the development and waning of European hegemony from ca. 1875 to ca. 1945. Comparisons will be drawn between what purports to be the "old diplomacy" and the "new diplomacy" in the establishment of "concerts of power" for the maintenance of "peace." <i>Three or four credit hours.</i>
[331] THE BRITISH EMPIRE AND COMMONWEALTH	A history of the British empire and its evolution into the modern commonwealth of nations. <i>Three credit hours.</i>
*333 MEDIEVAL ENGLAND MR. GILLUM	A political, cultural, and social survey of English history in the Saxon, Norman, Angevin, Lancastrian, and Yorkist periods. <i>Three credit hours.</i>
†[335] A CONSTITUTIONAL AND LEGAL HISTORY OF MEDIEVAL ENGLAND	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>336 TUDOR-STUART ENGLAND MR. GILLUM</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. Formerly listed as History 337. <i>Three credit hours.</i></p>
<p>341, 342 HISTORY OF RUSSIA AND THE USSR MR. RAYMOND</p>	<p>The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. <i>Three credit hours.</i></p>
<p>†[351] INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE</p>	<p>The changing ideas of history expressed by representative speculators from Hegel to Heidegger, and the effect of these ideas on the development of modern ideologies and the conflict in cultural values that might explain what has often been called "the crisis of our age." <i>Three or four credit hours.</i></p>
<p>*353 MODERN FRANCE, 1815-1958 MR. BERSCHNEIDER</p>	<p>The theme of "Liberalism and the Challenge of Fascism" will be presented in analyzing and evaluating the currents of thought and action that have given character to republicanism in modern France. <i>Three or four credit hours.</i></p>
<p>355 THE FRENCH REVOLUTION AND NAPOLEON MR. RAYMOND</p>	<p>European history from 1789 to 1815, with emphasis on political and social developments in France. Formerly listed as History 354. <i>Three credit hours.</i></p>
<p>†[356] MODERN GERMANY</p>	<p>The political and economic development and the international influence of Germany from 1806 to the present time. <i>Three credit hours.</i></p>
<p>[359] MODERN JAPANESE HISTORY</p>	<p>The history of Japan from <i>ca.</i> 1800 to the present day, concentrating on problems of historiography and ideology. Open to freshmen with permission of the instructor. <i>Three or four credit hours.</i></p>
<p>[363, 364] CULTURAL HISTORY OF JAPAN</p>	<p>First semester: from the origins of the Japanese people to the collapse of the Ashikaga Shogunate at the end of the fifteenth century. Second semester: the period of the Country at War, the reunification of Japan at the end of the sixteenth century, and Japan's progress in the Tokugawa realm of peace and seclusion. Institutional history is not neglected, but concentration is on the literary, religious, and artistic manifestations of Japanese culture. Much emphasis is placed upon such special topics as the history of medieval Buddhism, the confrontation of Japanese and Jesuit, and the history</p>



of the Tokugawa popular theatre. Augmented credit possible, with permission of the instructor, for students with reading knowledge of Japanese. *Three or four credit hours.*

371  
MODERN AMERICAN ELECTIONS  
MR. BRIDGMAN

Recent American elections in historical perspective, as illustrated by selected campaigns at the local, state, and national levels. Emphasis is on social and cultural interpretations. *Three credit hours.*

372  
THE AMERICAN CIVIL WAR  
MR. RAYMOND

The origins and the military and political history of the Civil War from about 1850 to 1865. Formerly listed as History 391. *Three credit hours.*

374  
CONTEMPORARY AMERICA, 1929  
TO PRESENT  
MR. BRIDGMAN

The United States from the onset of the Great Depression to the present, integrating social, economic, and political interpretations of this period. *Three credit hours.*

[375]  
AMERICAN COLONIAL HISTORY

The period of European colonization of North America and of the emergence of the American social and political "system" of 1776 and 1787 that prefigures the United States of the nineteenth and twentieth centuries. *Three credit hours.*

[376]  
THE ERA OF THE AMERICAN  
REVOLUTION, 1763-1789

Interpretations of the coming of the Revolution, the Declaration of Independence, the War, the Articles of Confederation, and the Constitution. Foundations of American institutions and traditions are viewed. *Three credit hours.*

377  
HISTORICAL INTRODUCTION TO  
AMERICAN STUDIES: THE UNITED  
STATES, 1824-1850  
INSTRUCTOR

Jacksonianism, the rise of the Whig party, the plantation system, the institution of slavery, abolitionism, women's rights, urbanism, and manifest destiny. Social and intellectual developments will be examined together with political and economic issues. Changing interpretations of historians will also be investigated. *Three credit hours.*

[378]  
THE UNITED STATES, 1850-1880

Political, economic, and social developments, including such subjects as disunion and reunion, the Gilded Age, the intellectual and social responses to industrialization and urbanization. *Three credit hours.*

379  
BLACK HISTORY III  
INSTRUCTOR

The history of the Black American and race relations from World War I to 1955, stressing the great migration, the Red Summer of 1919, the Garvey Movement, the Harlem Renaissance, Blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations.

*Prerequisite:* History 277, 278 or permission of the instructor.  
*Three credit hours.*

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\*392  
AMERICAN DIPLOMATIC HISTORY,  
1775-1917  
MR. BERSCHNEIDER

The diplomacy conducted by the United States from the time of its war of independence to the time of its specific involvement in world politics and world war. *Three or four credit hours.*

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393  
EUROPE AND THE AMERICAN  
REVOLUTION  
MR. BERSCHNEIDER

The interaction of the European Enlightenment and the American colonial scene, as background for understanding the American Revolution, and the impact of the American Revolution on the development of European preromanticism. *Three or four credit hours.*

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394  
THE AMERICAN SOUTH, 1819-1861  
MR. BRIDGMAN

The American south and its peculiar institutions. An effort is made to illustrate how this area accomplished a partial transition from agrarianism to industrialism. *Three credit hours.*

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[414]  
SEMINAR IN JAPANESE HISTORY

Special topics in Japanese history.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*

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415, 416  
SEMINAR IN AMERICAN HISTORY  
MR. BRIDGMAN

Special topics in American history.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*

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418  
SEMINAR IN MEDIEVAL HISTORY  
MR. BERSCHNEIDER

The Crusades, 1095-1274: a critical study of the history and historiography of the holy wars. Readings in both the medieval chronicles and secondary accounts of the Crusades.  
*Prerequisite:* Permission of the instructor. *Three or four credit hours.*

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432  
SEMINAR IN BLACK HISTORY  
INSTRUCTOR

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.*

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†[433]  
SEMINAR IN ENGLISH HISTORY

Reading and research on various topics in English history, with special attention devoted to political history in the nineteenth or twentieth century.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*

91, 492  
INDEPENDENT STUDY  
STAFF

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

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## Human Development

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93, 294  
SEMINAR  
STAFF

An introduction to problems in interdisciplinary integration. Non-graded. *One credit hour.*

93, 394  
SEMINAR  
STAFF

Application of multidisciplinary perspectives to problems in human development. Nongraded. *One credit hour.*

91, 492  
INDEPENDENT STUDY  
STAFF

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 three credit hours.*

94  
SEMINAR IN HUMAN DEVELOPMENT  
STAFF

An interdisciplinary seminar required of all senior majors in human development. Students are expected to develop their own focus in depth and to become articulate in communicating this perspective to their colleagues. *Three credit hours.*

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## Latin

IN THE DEPARTMENT OF CLASSICS

1  
INTENSIVE ELEMENTARY LATIN  
WESTERVELT

An intensive course in Latin grammar and syntax. *Four credit hours.*

2  
INTERMEDIATE LATIN  
INSTRUCTOR

Selected readings from Latin authors. Does not satisfy college language requirement. *Three credit hours.*

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113 INTRODUCTION TO LATIN LITERATURE MRS. KOONCE	Readings in Plautus. Does not satisfy college language requirement <i>Three credit hours.</i>
232 INTRODUCTION TO LATIN POETRY TAYLOR LECTURER	Readings in Virgil's <i>Aeneid</i> . <i>Three or four credit hours.</i>
[251] LATIN LITERATURE	Roman drama. <i>Three or four credit hours.</i>
*351 LATIN LITERATURE TAYLOR LECTURER	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 INSTRUCTOR	Cicero: letters. <i>Three or four credit hours.</i>
[357] LATIN LITERATURE	Horace: <i>Odes</i> and <i>Ars Poetica</i> . <i>Three or four credit hours.</i>
[358] LATIN LITERATURE	Tacitus. <i>Three or four credit hours.</i>
†[359] LATIN LITERATURE	Virgil: <i>Eclogues</i> and <i>Georgics</i> . <i>Three or four credit hours.</i>

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371] Terence. *Three or four credit hours.*  
 LATIN LITERATURE

491, 492 Reading in a field of the student's interest, with essays and confer-  
 ENDEPENDENT STUDY ences. *One to three credit hours by prior arrangement.*  
 TAFF

494 Virgil: *Aeneid*. *Three or four credit hours.*  
 SEMINAR  
 TAYLOR LECTURER

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## Linguistics

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

211 A practical introduction to the methodology and techniques of  
 INTRODUCTION TO LINGUISTIC linguistic science. Analysis of grammatical structures and sound  
 TECHNIQUES systems of language.  
 DR. SHERARD  
*Prerequisite:* Successful completion of any intermediate language  
 course or demonstration of equivalent proficiency. *Three credit  
 hours.*

212 Application of linguistic skills, general knowledge, and common  
 MAN, WOMAN, AND LANGUAGE sense to speculate on the larger questions of human communication  
 DR. SHERARD and culture. The scope of the course is broad; possible topics in-  
 clude dialects, women's speech, semantics, Black English, code  
 breaking, nonhuman communication, jokes, logic, and lies.  
*Prerequisite:* Linguistics 211 or permission of the instructor.  
*Three credit hours.*

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## Literature in Translation

OFFERED BY THE DEPARTMENTS OF CLASSICS AND ENGLISH

33 Listed as Classics 133 (*q. v.*). *Three credit hours.*  
 MYTH AND LITERATURE  
 DR. WESTERVELT

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



222d2 CALCULUS IV STAFF	Topics in multivariable calculus and a continuation of work in differential equations. <i>Prerequisite: Mathematics 221. Four credit hours.</i>
241d, 242 ELEMENTARY STATISTICS I AND II STAFF	Statistics I: descriptive statistics, elementary probability theory, binomial and normal distributions, elementary sampling theory, tests of hypotheses, confidence intervals, nonparametric statistics, correlation. Applications are emphasized. Offered each semester. Statistics II: a continuation, including regression, analysis of variance, and time series. Offered second semester only. Neither course open to mathematics majors. <i>Prerequisite: Mathematics 121. Mathematics 241: four credit hours; 242: two credit hours.</i>
†[243, 244] FINITE MATHEMATICS	Selected topics from modern mathematics useful in the biological and social sciences, including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Statistics is not treated but is offered in other courses. Not open to mathematics majors. <i>Prerequisite: Mathematics 113 or 121. Three credit hours.</i>
311d DIFFERENTIAL EQUATIONS MR. SHEPARDSON	Solutions of elementary differential equations and an introduction to partial differential equations. <i>Prerequisite: Mathematics 222. Three credit hours.</i>
[314] TOPICS IN ANALYSIS	Solutions of differential equations, including Bessel's, by series; Fourier series; the vibrating string problem; the operator $\Delta$ and the integral theorems; and finite differences. <i>Prerequisite: Mathematics 311. Two credit hours.</i>
[316] THE LAPLACE TRANSFORM	Theory and applications of the Laplace transform. <i>Prerequisite: Mathematics 311. One credit hour.</i>
332 INTRODUCTORY NUMERICAL ANALYSIS AND PROGRAMMING MR. SHEPARDSON	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: Some programming experience, Mathematics 222, or permission of the instructor. Three credit hours.</i>
352 COMPLEX VARIABLES MR. COMBELLACK	The arithmetic and calculus of complex numbers. The properties of analytic functions, including mapping by elementary functions, conformal mapping, residues, and poles.

*Prerequisite: Mathematics 222. Three credit hours.*

<p>361, 362 HIGHER ALGEBRA MR. SMALL</p>	<p>Introduction to algebraic structures, such as groups, rings, integral domains, and fields. <i>Prerequisite: Mathematics 222. Three credit hours.</i></p>
<p>372 DISCRETE MATHEMATICS STAFF</p>	<p>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: Mathematics 222. Three credit hours.</i></p>
<p>381, 382 MATHEMATICAL STATISTICS INSTRUCTOR</p>	<p>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: Mathematics 222. Three credit hours.</i></p>
<p>401, 402 MATHEMATICS SEMINAR STAFF</p>	<p>Discussion of topics in pure and applied mathematics. Nongraded. <i>Prerequisite: Senior standing in the mathematics major or a combined major including mathematics. One credit hour for the year.</i></p>
<p>421, 422 ADVANCED CALCULUS INSTRUCTOR</p>	<p>More advanced topics of calculus and an introduction to real analysis. <i>Prerequisite: Mathematics 222 and senior standing, or permission of the instructor. Three credit hours.</i></p>
<p>431d2 INTRODUCTION TO TOPOLOGY MR. SHEPARDSON</p>	<p>General topology, including such topics as elementary point set topology, mapping, and metric spaces. <i>Prerequisite: Mathematics 222 and senior standing, or permission of the instructor. Three credit hours.</i></p>
<p>432d1 HIGHER GEOMETRY MR. LIEBERMAN</p>	<p>Properties of various geometries, with emphasis on axiomatic development. <i>Prerequisite: Mathematics 361, 362. Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Independent study in an area of mathematics of particular interest to the student. <i>Prerequisite: Mathematics major and permission of the department. Two to four credit hours.</i></p>



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## Modern Foreign Languages

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191, 192  
INDEPENDENT STUDY IN CRITICAL  
LANGUAGES  
STAFF

Independent study of a critical language, involving weekly tutorial sessions with a native speaker of the language. Final course evaluation made by resident faculty member or by visiting faculty member from a college or university where the language is taught regularly. In 1975-76 Swahili was offered.

*Prerequisite:* Permission of the department chairman. *Three credit hours.*

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193, 194  
CRITICAL LANGUAGES: SECOND  
LEVEL  
STAFF

The continued independent study of one of the critical languages as described above. The successful completion of 194 satisfies the college requirement in foreign language. Credit varies depending on level of attainment.

*Prerequisite:* Modern Foreign Languages 191, 192 and permission of the department chairman. *Three or four credit hours.*

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411  
TEACHING OF MODERN FOREIGN  
LANGUAGES  
MR. BUNDY

Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Some attention is also directed to the FLES program. Counts as three hours in education toward the Maine secondary-school-teaching certificate. Conducted in English. Nongraded.

*Prerequisite:* Two 200-level modern foreign literature courses. *Three credit hours.*

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491, 492  
INDEPENDENT TOPICS IN MODERN  
FOREIGN LANGUAGES  
STAFF

Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work.

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

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## Music

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11d  
INTRODUCTION TO MUSIC  
STAFF

Introduction to the western musical tradition and development of perceptive listening through the study of selected works from the Middle Ages to the present. No previous knowledge of music assumed. Cannot be counted toward the music major. Previously included in Music 123, 124. *Three credit hours.*

<p>*131 STUDIES IN AMERICAN MUSIC MR. MACHLIN</p>	<p>Aspects of American music, examined from historical and critical perspectives. Areas to be studied may include topics in the eighteenth and nineteenth centuries, the works of important contemporary composers, or music in popular culture. A description of specific topics to be covered will be published before registration. <i>Prerequisite:</i> Music 111 or permission of the instructor. <i>Three credit hours.</i></p>
<p>*134 THE SYMPHONY MR. ARMSTRONG</p>	<p>Representative symphonies from the eighteenth century to the present. Primarily for students not intending to major in music. <i>Prerequisite:</i> Music 111 or permission of the instructor. <i>Three credit hours.</i></p>
<p>163, 164 INTRODUCTION TO MUSIC THEORY MISS HEINRICH</p>	<p>A general introduction to the rudiments of music theory. Primarily for students not intending to major in music. <i>Three credit hours.</i></p>
<p>171 MUSIC THEORY I MRS. REUMAN</p>	<p>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. Formerly included in Music 163, 164. <i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i></p>
<p>172 MUSIC THEORY II MRS. REUMAN</p>	<p>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. Formerly included in Music 164 and 263. <i>Prerequisite:</i> Music 164 or 171, and keyboard proficiency test. <i>Four credit hours.</i></p>
<p>191, 192 APPLIED MUSIC: INDIVIDUAL STUDY STAFF</p>	<p>Instruction in voice and instruments for qualified students. Possible offerings in 1976-77, depending upon demand, include classical guitar, flute, harpsichord, organ, piano, recorder, trombone, trumpet, viola, violin, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Flexible credit. Nongraded. <i>Prerequisite:</i> Music 163, 164 or Music 171 (may be taken concurrently) and permission of the department. <i>One or two credit hours.</i></p>

<p>193, 194 APPLIED MUSIC: ENSEMBLE STAFF</p>	<p>Optional credit for participation in musical organizations and ensembles for students of applied music. In addition to the college band, 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. Flexible credit. Nongraded.</p> <p><i>Prerequisite:</i> Concurrent enrollment in Music 191, 192 and permission of the department. <i>One credit hour.</i></p>
<p>211 MUSIC HISTORY I MR. ARMSTRONG</p>	<p>The history of western music from the Middle Ages to 1750. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 164 or 171. <i>Four credit hours.</i></p>
<p>[213] MIDIEVAL MUSIC</p>	<p>Music in Europe through the Romanesque and Gothic Middle Ages, the <i>Ars Nova</i>, and Burgundian school. Analyses of such forms as Gregorian chant, liturgical drama, mass, motet, and early secular forms. Studies of transcription of musical manuscripts. Reading knowledge of music required.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p>
<p>216 MUSIC HISTORY II MR. MACHLIN</p>	<p>The history of western music from 1750 to 1870. Formerly included in Music 237 and 251. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p>
<p>217 MUSIC HISTORY III MR. RÉ</p>	<p>The history of western music from 1870 to the present. Formerly included in Music 254. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p>
<p>231 CHANSONS AND LIEDER MISS HEINRICH</p>	<p>A detailed study of art songs, French chansons, and German lieder, with emphasis given to the songs and song cycles of Schubert, Schumann, Brahms, Mahler, Wolf, Debussy, and contemporary composers. Formerly listed as Music 132.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p>
<p>232] MUSIC OF THE RENAISSANCE</p>	<p>Music of western Europe in the late fifteenth and sixteenth centuries (Ockeghem to Giovanni Gabrieli), with particular attention to the mass, the motet, the chanson, the madrigal, and instrumental music.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p>

[234] BAROQUE MUSIC	Music in western Europe from Monteverdi to Bach and Handel. <i>Prerequisite:</i> A college-level course in music history or theory. <i>Three credit hours.</i>
*235 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, including an introduction to chromatic harmony. Primarily for music majors. Formerly included in Music 263, 264. <i>Prerequisite:</i> Music 172. <i>Four credit hours.</i>
*332 OPERA MR. MACHLIN	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 theory, or permission of the instructor. <i>Four credit hours.</i>
372 COMPOSITION I MR. RÉ	Creative writing for students prepared to undertake original work in composition. Formerly listed as Music 371. <i>Prerequisite:</i> Music 271 and permission of the instructor. <i>Three or four credit hours.</i>
374 COMPOSITION II MR. RÉ	Additional opportunities for original creative work in music. <i>Prerequisite:</i> Music 372 and permission of the instructor. <i>Three or four credit hours.</i>
†[376] COUNTERPOINT	A study of the principles of sixteenth-, seventeenth-, and eighteenth-century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. Formerly listed as Music 272. <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>

<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors.</p> <p><i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i></p>
<p>493, 494 SEMINAR IN MUSIC STAFF</p>	<p>Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors.</p> <p><i>Prerequisite:</i> Music 271 and permission of the instructor. <i>Three or four credit hours.</i></p>
<p>499d MUSIC TEACHING STAFF</p>	<p>Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Flexible credit. Nongraded.</p> <p><i>Prerequisite:</i> Permission of the department. <i>Two credit hours.</i></p>
<p>APPLIED MUSIC</p>	<p>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, 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 \$100 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$60. Fees are payable on the semester bill. Students are not charged for membership in musical organizations or small ensembles.</p> <p>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.</p> <p>The department reserves some scholarship money to aid talented students of applied music; consult the chairman.</p>

## Performing Arts

OFFERED BY THE DEPARTMENTS OF ENGLISH, MUSIC, AND PHYSICAL EDUCATION<sup>1</sup>

21, 122  
THEATRE PRODUCTION  
INSTRUCTOR

A basic course in stage building, care, management, and practice. One of the requirements of the course will be the practical application of theory to production. Flexible credit. *Three or four credit hours.*

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<p>171 ACTING I INSTRUCTOR</p>	<p>Basic techniques of stage acting. Flexible credit. <i>Three credit hours.</i></p>
<p>221, 222 THEATRE HISTORY MR. WITHAM AND MR. SUSS</p>	<p>The analysis of plays in relation to theatre architecture and design. First semester: from the Greeks to the English Renaissance. Second semester: the Renaissance to the contemporary theatre. Application of architectural requirements and design theory to practical problems in theatrical performance. <i>Three credit hours.</i></p>
<p>251 STAGE MOVEMENT MS. MITCHELL</p>	<p>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></p>
<p>272 ACTING II INSTRUCTOR</p>	<p>Advanced techniques of stage acting. Improvisation. <i>Prerequisite:</i> Performing Arts 171 or permission of the instructor. Flexible credit. <i>Three or four credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. Basic or flexible credit, as stipulated in project proposal and approved by instructor. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i></p> <p><sup>1</sup>For additional offerings in the performing arts, see section on interdisciplinary studies.</p>

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## Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

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<p>112d LOGIC MR. MCARTHUR</p>	<p>The techniques of formal reasoning and their application to argumentation in ordinary language. <i>Three credit hours.</i></p>
<p>133 INTRODUCTION TO WESTERN PHILOSOPHY I MR. HUDSON AND OTHERS</p>	<p>Some typical problems in western philosophy: ethics, sociopolitical philosophy, and philosophy of religion. <i>Three credit hours.</i></p>

<p>134 INTRODUCTION TO WESTERN PHILOSOPHY II MR. HUDSON AND OTHERS</p>	<p>Some typical problems in western philosophy: theory of knowledge, metaphysics, and philosophy of science. <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 questions of political obligations and social values. <i>Three credit hours.</i></p>
<p>†[236] SOCIAL PHILOSOPHY</p>	<p>Readings from Plato, Locke, Rousseau, and Marx; their relevance to contemporary problems. <i>Three credit hours.</i></p>
<p>*258 PHILOSOPHICAL PROBLEMS IN LOGIC AND MATHEMATICS 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 MR. HUDSON AND OTHERS</p>	<p>Interdisciplinary considerations of various topics, involving lecturers from several departments. In the spring of 1977: "Philosophical Perspectives on Death." Reading and discussion of material from the writings of philosophers, psychologists, literary figures, and scientists. Topics will include death and dying, suicide, euthanasia, legal and medical issues, and the question of immortality. <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 (<i>q.v.</i>). <i>Three or four credit hours.</i></p>
<p>[313] AESTHETICS</p>	<p>Problems that arise in analyses and criticisms of the arts. <i>Prerequisite:</i> Three hours of philosophy or permission of the instructor. <i>Three credit hours.</i></p>
<p>[316] METAPHYSICS</p>	<p>A contemporary approach to the problem of reality or being and such metaphysical topics as time, space, substance, and causality. Attention also to methods for dealing with metaphysical problems and of validating metaphysical claims. <i>Three credit hours.</i></p>

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<p><b>*317</b> PHILOSOPHY OF SCIENCE MR. MCARTHUR</p>	<p>Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the sciences will be considered. <i>Three credit hours.</i></p>
<p><b>*318</b> ETHICS AND GENERAL THEORY OF VALUE MR. REUMAN</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><b>331</b> 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><b>332</b> 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><b>333</b> 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 credit hours.</i></p>
<p><b>352</b> AMERICAN PHILOSOPHY MR. HUDSON</p>	<p>Representative thinkers in each major period and movement in American philosophical thought, and an attempt to relate the teachings of these thinkers to contemporary philosophical, educational, and social issues. <i>Three credit hours.</i></p>
<p><b>353</b> 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</p>	<p>Types of Indian philosophy of the modern period. <i>Prerequisite:</i> Two semester courses in philosophy and/or religion. <i>Three credit hours.</i></p>

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359  
NINETEENTH-CENTURY PHILOSOPHY  
R. REUMAN

Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation.

*Prerequisite:* Philosophy 331 and 332, or permission of the instructor. *Three or four credit hours.*

372 ]  
PHILOSOPHY OF RELIGION

Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason.

*Prerequisite:* One course in philosophy and one course in religion, or permission of the instructor. *Three credit hours.*

373  
HISTORY OF MEDIEVAL PHILOSOPHY  
R. THORWALDSEN

History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics.

*Prerequisite:* Philosophy 331. *Three or four credit hours.*

374 ]  
EXISTENTIALISM AND  
PHENOMENOLOGY

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.

*Prerequisite:* Two semester courses in philosophy or permission of the instructor. *Three credit hours.*

391 ], 392  
PHILOSOPHY SEMINAR

Seminars in selected areas of philosophy. In 1976-77 the topics will be: 392A, "Comparative Social Systems" (Mr. Reuman—enrollment limited); 392B, "Philosophy of Language" (Mr. McArthur). Open to majors and nonmajors.

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

41, 492  
INDEPENDENT STUDY  
OFF

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

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

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## Physical Education

441, 242 ]  
INTRODUCTION TO THE ART OF  
DANCE

An historic survey of the art of dance from its primitive ritual beginnings to its development as an art form in western civilization. The course includes lectures, films, an introduction to basic theory,

composition, and movement experience. No dance experience necessary.

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

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311, 312

COACHING OF TEAM SPORTS AND  
ADMINISTRATION OF ATHLETICS  
MR. MCGEE AND MR. NELSON

Principles and methods of coaching team sports. Policies and practices in organization and administration of athletic programs. Brief exposure to physiology of exercises and care and prevention of athletic injuries.

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

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\*323, 324

PRINCIPLES AND METHODS OF  
PHYSICAL EDUCATION  
MRS. BITHER AND MR. NELSON

Policies, practices, standards, and educational methods of secondary school physical education; coaching of individual sports. Physiology of exercise, prevention and care of athletic injuries. May be coordinated with education courses to include practice teaching.

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

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\*341, 342

MODERN DANCE COMPOSITION AND  
THEORY  
MS. MITCHELL

Compositional problems relating to the theories of various modern dance artists, an introduction to dance notation, a study of the modern dance repertory through films and direct movement experience. Flexible credit.

*Prerequisite:* Service class in modern dance or movement and permission of the instructor. *Three credit hours.*

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491, 492

INDEPENDENT STUDY  
MS. MITCHELL

Individual dance problems in areas where the student has the interest and competence to work independently. Flexible credit.

*Prerequisite:* Physical Education 341, 342 and permission of the instructor. *One to three credit hours.*

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## Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

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121, 122

GENERAL PHYSICS  
MR. METZ AND MR. BRIGGS

A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, relativity, and quantum physics. Physics 211 may serve as a prerequisite for Physics 122. Fall enrollment in Mathematics 121 or prior equivalent is recommended. Lecture and laboratory. *Four credit hours.*

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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 department, and Mathematics 122 (may be taken concurrently). Open to freshmen with advanced standing in calculus who have had a strong preparation in physics. *Four credit hours.*

32  
ATOMIC AND NUCLEAR PHYSICS  
R. METZ

An intermediate treatment of quantum physics, illustrated by topics in atomic, nuclear, and solid-state physics, and emphasizing the experimental evidence for modern theories of the structure of matter. Lecture and discussion.

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

52  
ELECTRONICS  
T. TAFF

A semi-independent-study laboratory course in electronic principles, circuits, and instrumentation. Open to the limit of available equipment.

*Prerequisite:* Physics 122, Mathematics 121, and permission of the department. *Two or three credit hours.*

11  
ADVANCED MECHANICS  
R. DUDLEY

Lagrangian and Hamiltonian dynamics, the dynamics of rigid bodies, and systems with many degrees of freedom. The techniques of linear algebra and of differential equations will be applied. Lecture and discussion.

*Prerequisite:* Physics 211 and Mathematics 311 (may be taken concurrently). *Four credit hours.*

21, 322  
ELECTRICITY AND MAGNETISM  
R. BRIGGS

First semester: a theoretical treatment of electrostatics and magnetostatics in vacuum and material media. Lecture and discussion. Second semester: Maxwell's equations, electrodynamics, and modern optics. Lecture and laboratory.

*Prerequisite:* For 321, Physics 122 and Mathematics 221 (may be taken concurrently); for 322, Mathematics 222 (may be taken concurrently). *Four credit hours.*

32  
THERMODYNAMICS  
R. METZ

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.*

441, 442

THEORETICAL PHYSICS

MR. METZ AND MR. DUDLEY

First semester: an introduction to the mathematical formulations of nonrelativistic quantum mechanics, including Schrodinger wave mechanics, operator algebra, perturbation techniques, and electron spin. Applications to one-dimensional and simple three-dimensional systems are developed. Second semester: a continuation of the first semester, with applications to selected topics in solid-state physics, nuclear physics, and quantum optics, as interests dictate. Lecture.

*Prerequisite:* Physics 232 and 311 or permission of the department. *Three credit hours.*

451, 452

SENIOR LABORATORY

MR. METZ AND MR. BRIGGS

Experiments drawn from classical and modern physics, with emphasis on precision and experimental technique.

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

491, 492

INDEPENDENT STUDY

STAFF

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

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

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## Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

\*121, 122

PORTUGUESE AS A SECOND  
ROMANCE LANGUAGE

MS. DOEL

The spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials.

*Prerequisite:* Successful completion of intermediate French or Spanish, or indication of equivalent proficiency by placement test. *Four credit hours.*

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## Psychology

111d

INTRODUCTION TO PSYCHOLOGY

STAFF

An overview of contemporary psychology, introducing concepts, theories, and methods current in the field. This course is prerequisite to any further work in the department. *Three credit hours.*

114

QUANTITATIVE METHODS

Quantitative methods in psychology, with emphasis on basic statistical principles and techniques of data gathering, processing, and

MR. JOHNSON

analysis. Introduction to computing and programming as applied to psychology.

*Prerequisite:* Psychology 111. *Four credit hours.*

132

HUMAN SEXUALITY

MR. EASTON AND MR. PEREZ

This course aims to provide students with accurate information to aid them in forming their personal value systems and in coping with current and future problems. Topics will include mammalian anatomy, embryology, and sexual behavior, the physiology of human sexual response, cross-cultural perspectives, normal psychosexual development and response, the paraphilias, major sexual dysfunctions, and reproductive problems. Guest lecturers will be utilized whenever feasible. Cannot be counted toward the psychology or psychology-mathematics major. *Three credit hours.*

211

PERSONALITY, SOCIAL AND  
ABNORMAL PSYCHOLOGY

STAFF

Individual and group behavior, emphasizing patterns of development, interpersonal relationships, and social interaction. Both normal and abnormal functioning will be considered. May not be taken for credit by psychology majors, whose attention is called to Psychology 261, 262, and 291.

*Prerequisite:* Psychology 111. *Three credit hours.*

†[234]

PSYCHOLOGICAL TESTS AND  
MEASUREMENTS

The theory and problems of psychological measurement, with special emphasis on the construction and application of psychological tests.

*Prerequisite:* Psychology 111 and 114. *Three credit hours.*

252

CHILD AND ADOLESCENT  
PSYCHOLOGY

MR. ZOHNER

The psychological processes of the child and adolescent, with special emphasis on their practical importance for education, emotional stability, and parenthood. May not be taken for credit by psychology majors, whose attention is called to Psychology 311. *Three credit hours.*

†[258]

HUMAN INTERACTION LABORATORY

The experience-based study of individual and small-group dynamics. Students will participate in a group which will meet throughout the semester. Readings and discussions will emphasize the application of specific conceptual models. Nongraded.

*Prerequisite:* Psychology 111 and permission of the instructor. *Two credit hours.*

261, 262

SEMINAR IN PERSONALITY AND  
PSYCHOPATHOLOGY

MR. LESTER AND MR. PEREZ

An analysis of the problems, theories, and research concerned with the dynamics of behavior. First semester: major systematic interpretations, assessment, and current research in personality. Second semester: a theoretical and clinical study of the dynamics and treatment of abnormal behavior.

*Prerequisite:* Psychology 111, 114, and permission of the instructor. *Three credit hours.*

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271  
EXPERIMENTAL PSYCHOLOGY  
MR. ZOHNER

Discussion of the planning, execution, and interpretation of research in psychology.  
*Prerequisite:* Psychology 111, and Psychology 114 or Mathematics 242. *Four credit hours.*

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272  
PHYSIOLOGICAL PSYCHOLOGY  
MS. SKOWBO

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.  
*Prerequisite:* Psychology 271, two semester courses in biology, and permission of the instructor. *Three credit hours.*

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273  
VISION AND VISUAL PERCEPTION  
MS. SKOWBO

The capabilities of the human visual system as related to the physical aspects of the seen world and to the physiological mechanisms involved. Topics include: color vision; night vision; perception of brightness, depth, and form; and visual illusions.  
*Prerequisite:* Psychology 271 or permission of the instructor. *Four credit hours.*

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291d  
SOCIAL PSYCHOLOGY  
INSTRUCTOR

Representative topics in contemporary social psychology: methodological problems, the self, attitudes, social motivation, person perception, and group influence.  
*Prerequisite:* Psychology 111 and 114. *Three credit hours.*

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311  
DEVELOPMENTAL PSYCHOLOGY  
MR. ZOHNER

Principles of development from conception through adolescence, examined from biological, sociocultural, and psychodynamic perspectives.  
*Prerequisite:* Psychology 271. *Three credit hours.*

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†[314]  
MOTIVATION

A theoretical and historical analysis of current research in motivation, focusing on such topics as drive, reinforcement, consummatory behavior, aggression, emotion, sleep, and imprinting.  
*Prerequisite:* Psychology 271. *Four credit hours.*

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317  
SEMINAR IN DEVELOPMENTAL  
PSYCHOLOGY  
MR. ZOHNER

Historical, theoretical, and empirical aspects of the development of the individual. Special attention will be given to a critical analysis of existing research and methodology.  
*Prerequisite:* Permission of the instructor. *Three credit hours.*

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**\*332**  
LEARNING  
MR. ZOHNER

A consideration of the principles of learning and the empirical evidence underlying them.  
*Prerequisite:* Psychology 271 and permission of the instructor.  
*Four credit hours.*

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**391**  
HISTORY AND SYSTEMS OF  
PSYCHOLOGY  
MR. JOHNSON

The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis.  
*Prerequisite:* Three semester courses in psychology. *Three credit hours.*

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**491, 492**  
INDEPENDENT STUDY  
STAFF

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

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## Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

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**121, 122**  
INTRODUCTION TO WESTERN  
RELIGION  
MR. TODRANK AND INSTRUCTOR

The Judaeo-Christian tradition in historical perspective: basic beliefs, institutions, and movements characteristic of successive epochs, and their influence on western culture. *Three credit hours.*

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**\*217**  
RELIGION IN AMERICA  
MR. LONGSTAFF

The beliefs and practices of Protestantism, Catholicism, and Judaism as examined against the background of an historical survey of religion in American life, leading to an exploration of selected issues of current interest in American religion. *Three or four credit hours.*

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**\*218**  
THE SCIENTIFIC STUDY OF  
RELIGION  
MR. THORWALDSEN

Methodologies and classical studies in the disciplines of anthropology, sociology, psychology, history of religions, economics, art history, and theology. *Three credit hours.*

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**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. *Three or four credit hours.*

281, †[282] CULTURAL EUTHENICS: A NEW ADAM AND A NEW EDEN MR. TODRANK	First semester: the relationship between the life-style of modern man and the current environmental crisis, and the resulting urgent need for a new "Adam" and a new "Eden." Second semester: an analysis of some of the economic, political, ethical, and religious aspects of essential reforms to achieve a new era for a new earth. Faculty members from other departments will participate in panel discussions of the basic issues. <i>Three or four credit hours.</i>
311 INDIAN RELIGIONS AND ISLAM MR. THORWALDSEN	A survey of the religious traditions of India and Islam. Formerly included in Religion 321, 322. <i>Three credit hours.</i>
312 EAST ASIAN RELIGIONS MR. THORWALDSEN	A survey of Buddhism, Taoism, and Confucianism, with emphasis on Jodo and Zen traditions. Formerly included in Religion 321, 322. <i>Prerequisite:</i> Religion 311 or a course in East Asian history or culture. <i>Three credit hours.</i>
†[316] CONTEMPORARY WESTERN THEOLOGY	A survey of modern methods and styles in theological discourse, including examples of the use of poetry, drama, art, and music. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
†[319] PRIMITIVE RELIGION	Archaic and primitive religious life. The religion of aborigines, Polynesians, African and Latin-American tribes, and North American Indians. <i>Prerequisite:</i> One course in philosophy or religion. <i>Three credit hours.</i>
†[351] THE BOOK OF JOB	The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems. <i>Prerequisite:</i> Religion 121 or 223. <i>Three credit hours.</i>
*352 THE THEOLOGY OF PAUL MR. LONGSTAFF	Paul's letters, and the controversies that prompted them, will be studied as a basis for understanding Pauline theology, its relation to other elements of first-century Christianity, and its influence on later western thought. <i>Prerequisite:</i> Religion 224. <i>Three credit hours.</i>
†[353] THE GREAT PROPHETS OF ISRAEL	An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times. <i>Prerequisite:</i> Religion 223. <i>Three credit hours.</i>



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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.

*Prerequisite:* Religion 224 and permission of the instructor.  
*Three credit hours.*

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†[372]  
PHILOSOPHY OF RELIGION

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

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\*373  
HISTORY OF MEDIEVAL PHILOSOPHY  
MR. THORWALDSEN

Listed as Philosophy 373 (*q.v.*). *Three or four credit hours.*

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[391], 392  
RELIGION SEMINAR

Seminars in selected areas of religion. In 1976-77 the topic will be: 392, "Women in the Bible and Near Eastern Culture" (Mr. Longstaff). Open to majors and nonmajors.

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

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491, 492  
INDEPENDENT STUDY  
STAFF

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

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

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## Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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111, 112  
ELEMENTARY RUSSIAN  
MR. KEMPERS

Introduction to the language by a modified audio-lingual method, with emphasis on understanding spoken Russian and on reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

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113, 114  
INTERMEDIATE RUSSIAN  
MR. KEMPERS

Continued study of grammar, with emphasis on understanding spoken Russian and on reading, through the study of short stories and plays. Use of taped materials in the language laboratory continues as an integral part of the course.

*Prerequisite:* Russian 112 or two years of high school Russian and appropriate score on the placement test. *Four credit hours.*

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225, 226  
ADVANCED RUSSIAN

Continued work on the language, intensive study of selected works of Russian literature.

MR. KEMPERS

*Prerequisite:* Russian 114 or permission of the instructor. *Three or four credit hours.*

491, 492

INDEPENDENT STUDY

MR. KEMPERS

Individual readings in areas of the student's major interest.

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

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## Selected Topics

-97, -98

STUDY OF SELECTED TOPICS

Each department and interdisciplinary major may from time to time offer special courses not otherwise included in its regular course listing. When such a course is offered, it will be listed under the appropriate subject heading. The first digit of its number will depend on the level at which it is offered. Titles, descriptions, prerequisites, and number and type of credits will be determined by the department or interdisciplinary major offering the course, and will be available at registration.

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## Sociology

112

INTERACTION PROCESS ANALYSIS

MR. ROSENTHAL

Theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concepts, theory, and observation of the group. A student may not be concurrently enrolled in Sociology 122. Enrollment limited.

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

121e, 122

PRINCIPLES OF SOCIOLOGY

STAFF

Human society: its growth, institutions, activities, and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. Formerly listed as Sociology 221e, 222. *Three credit hours.*

212

SHORT COURSES IN SOCIOLOGY

STAFF

Several topics will be considered over varying time segments throughout the semester. Each short course is autonomous, and a student may elect any or all. Topics for 1975-76 included "The Thirties, a Time for Remembrance" and "Television and Society." Formerly listed as Sociology 312.

*Prerequisite:* Sociology 121, 122 and permission of the instructor.  
*One to three credit hours per topic.*

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231  
CONTEMPORARY SOCIAL ISSUES  
MR. DOEL

Analysis of selected controversial issues in contemporary society. Attention given to areas such as alienation, economic and political freedom, population, poverty, and the depletion of natural resources. Programs for the alleviation of social problems will be reviewed and evaluated. Formerly listed as Sociology 331. *Three credit hours.*

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232  
HUMAN ECOLOGY  
MR. DOEL

The spatial distribution of people and institutions from the pre-historic to the present time. Consideration will be given to the relationship between human society and the ecosystem concept: theory of demographic transition; world population growth in terms of fertility, migration, and mortality; individual and institutional competition in space; and environmental carrying capacity. Formerly listed as Sociology 332.

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

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\*233  
DELINQUENCY AND CRIME  
MR. GEIB

Delinquency and 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 delinquency and crime. Formerly listed as Sociology 333.

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

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237  
THE SOCIOLOGY OF CHILD  
DEVELOPMENT  
MR. ROSENTHAL

The family as transmitter of the culture, relationships between social forces acting upon the family and the socialization process, and relationships between family characteristics, transmission, and socialization. Formerly listed as Sociology 337.

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

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252  
RACE AND MINORITIES  
MR. BIRGE

Major problems of race and minority groups in the modern world. Formerly listed as Sociology 352.

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

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271  
INTRODUCTION TO SOCIOLOGICAL  
RESEARCH METHODS  
MR. MORRIONE

Introduction to the variety of basic research methods employed by sociologists. Major topics include the reciprocal relation between theory and research, research design, sampling, and techniques for data collection and analysis. Formerly listed as Sociology 381.

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

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273  
THE FAMILY  
MR. KINGDON

An 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. Formerly listed as Sociology 373.

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

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274

SOCIAL STRATIFICATION  
MR. KINGDON

Social classes of North America, as portrayed through the literature of community studies. Emphasis will center on the culture of the middle class. Formerly listed as Sociology 374.

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

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311

HISTORY OF SOCIOLOGICAL  
THEORY  
MR. MORRIONE

The history of sociology, and a critical examination of the systems of thought about society and social action. The place of theory in social research is emphasized. Formerly listed as Sociology 412.

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

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313

HISTORY OF SOCIAL THOUGHT  
MR. DOEL

Survey of man's ideas about human nature and the social order, centered on social thinkers prior to the development of sociology. Selected social thoughts of civilized man from Hammurabi to Comte, contrasted with selections from folklore, myths, stories, songs, proverbs, and riddles of nonliterate peoples.

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

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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, myth and ritual, mana and taboo, totemism, magic, witchcraft, and divination.

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

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316

SPECIAL TOPICS IN SOCIOLOGY  
MR. KINGDON

Topics in selected areas of sociology. For 1976-77: "Native American Issues." An examination of selected public issues that directly affected American Indian communities in the late 1960's and early 1970's, to develop a theoretical perspective within which to understand Indian activism and the search for native American economic and political self-determination. Formerly listed as Sociology 416.

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

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318

CONTEMPORARY THEORY  
MR. MORRIONE

An analysis of the contemporary state of sociology as a discipline, with focus on problems of theory building, utilization of data collection methods, reformulation of the scope and subject matter of the field, and development of converging and diverging points among current schools of thought.

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

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†[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 and attempts to synthesize them.</p> <p><i>Prerequisite:</i> Sociology 121, 122 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>, Owen's <i>A New View of Society</i>, and Bellamy's <i>Looking Backward</i>. Formerly listed as Sociology 411.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
*353 URBAN SOCIOLOGY MR. BIRGE	<p>An eclectic study of the city as a sociological phenomenon: the historical and ecological development of the city, population and selective migration, group life and personality, and organization and disorganization of urban areas.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
[354] COMPARATIVE SOCIAL SYSTEMS	<p>Contemporary societies as they relate to ideal-typical models of western technological development. Analysis of social processes effected by the transition from traditionalism to industrialism in newly developing nations.</p> <p><i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>
†[361, 362] CULTURAL ANTHROPOLOGY	<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>
372 PRACTICUM IN SOCIOLOGICAL RESEARCH MR. MORRIONE	<p>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 an 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>

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<p>393 COMPLEX SOCIAL ORGANIZATIONS MR. ROSENTHAL</p>	<p>Utilizing an 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> <p><i>Note:</i> This course may be offered cooperatively with Administrative Science 413. A student may not receive credit for both Sociology 393 and Administrative Science 413.</p>
<p>*394 COLLECTIVE BEHAVIOR MR. GEIB</p>	<p>A course that seeks to shed light on the plight of contemporary man through the examination of the various instances of collective behavior—crowds, masses, publics, and social movements—and the forces which mold each. Consideration is given also to public opinion, propaganda, communication and the major mass media, and their functions in modern society.</p> <p><i>Prerequisite:</i> Sociology 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>401, 402 SOCIOLOGY SEMINAR MR. BIRGE</p>	<p>Major problems of sociology as a science. Much of the work is devoted to individual projects developed from group discussions.</p> <p><i>Prerequisite:</i> Senior standing and permission of the instructor. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY STAFF</p>	<p>Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.</p> <p><i>Prerequisite:</i> Senior standing and permission of the department. <i>Two to four credit hours.</i></p>
<p>INTERDEPARTMENTAL COURSE</p>	<p>Psychology 291d, Social Psychology, is also applicable toward fulfillment of the major in sociology (see psychology listings for description of this course). If so applied, it cannot also be counted among the required collateral courses. <i>Three credit hours.</i></p>

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## Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

*Unless otherwise specified, all courses numbered above 118 are conducted in Spanish.*

111, 112  
ELEMENTARY SPANISH

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped

STAFF	materials in the language laboratory is a regular part of the class work. <i>Four credit hours.</i>
113, 114 INTERMEDIATE SPANISH STAFF	Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin-American literature. Studies and grammar review supplemented with drill work in the laboratory. <i>Prerequisite:</i> Spanish 112 or two years of high school Spanish and appropriate score on the placement test. <i>Three credit hours.</i>
[115] SPANISH PRONUNCIATION	The theory and practice of Spanish pronunciation. Supplementary drills and exercises in the language laboratory. Does not fulfill language requirement. Nongraded. <i>Prerequisite:</i> Spanish 112 or equivalent. <i>Two credit hours.</i>
117, 118 INTENSIVE INTERMEDIATE SPANISH STAFF	An expanded intermediate course similar in format to Spanish 113, 114 for those students desiring additional exposure to the language. Recommended for those planning to continue in Spanish. Spanish 117 alone will not satisfy the language requirement. <i>Prerequisite:</i> Spanish 111, 112 with a grade of <i>A</i> or <i>B</i> , or equivalent. <i>Four credit hours.</i>
125, 126 INTRODUCCIÓN AL MUNDO HISPÁNICO STAFF	The Hispanic tradition reflected in the works of major figures of Spain and Latin America. In-depth study of selected works with collateral readings. <i>Prerequisite:</i> Spanish 114. <i>Three credit hours.</i>
131 ADVANCED SPANISH MR. PÉREZ	An advanced review of grammar, with practice in written composition. <i>Prerequisite:</i> Spanish 114 or equivalent. <i>Three credit hours.</i>
255 NINETEENTH-CENTURY SPANISH LITERATURE I MR. PÉREZ	Representative works of romanticism and realism. <i>Prerequisite:</i> Spanish 126. <i>Three credit hours.</i>
256 NINETEENTH-CENTURY SPANISH LITERATURE II MR. PÉREZ	Primarily readings from Bénito Pérez Galdós and Leopoldo Alas "Clarín." <i>Prerequisite:</i> Spanish 126. <i>Three credit hours.</i>
261d2, †[262] LATIN-AMERICAN LITERATURE MR. HOLLAND	First semester: Latin-American literature from the colonial period through the nineteenth century. Second semester: literature from the <i>Modernistas</i> through Rómulo Gallegos.

*Prerequisite: Spanish 126. Three or four credit hours.*

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332d1  
CONTEMPORARY LATIN-AMERICAN  
LITERATURE  
MR. HOLLAND

Authors to be studied will include Carlos Fuentes, García Márquez, and Vargas Llosa.  
*Prerequisite: A 200-level Spanish course. Four credit hours.*

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\*337  
MEDIÉVAL SPANISH LITERATURE  
MS. DOEL

Medieval Spanish classics: *El Cid*, *El libro de buen amor*, *La Celestina*, and *El romancero*.  
*Prerequisite: A 200-level Spanish course. Three or four credit hours.*

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†[351]  
EL SIGLO DE ORO

The Spanish classical theatre, the picaresque novel, and selected works of Cervantes.  
*Prerequisite: A 200-level Spanish course. Three or four credit hours.*

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\*352  
DON QUIJOTE  
MS. DOEL

Study and analysis of *Don Quijote de la Mancha*.  
*Prerequisite: A 200-level Spanish course. Four credit hours.*

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†[356]  
THE GENERATION OF 1898

The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado.  
*Prerequisite: A 200-level Spanish course. Four credit hours.*

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†[357]  
MODERN SPANISH LITERATURE

The literature of twentieth-century Spain through Federico García Lorca.  
*Prerequisite: A 200-level Spanish course. Four credit hours.*

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\*358  
THE CONTEMPORARY SPANISH  
NOVEL  
MR. CAUZ

The Spanish novel from Camilo José Cela through the 1960's.  
*Prerequisite: A 200-level Spanish course. Four credit hours.*

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491, 492  
INDEPENDENT STUDY  
STAFF

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

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[493, 494]  
SEMINAR IN SPANISH AND LATIN-  
AMERICAN LITERATURE

Topics, which change each semester, may cover an author, a genre, or a literary movement.  
*Prerequisite: Permission of the instructor. Three or four credit hours.*



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499d  
LANGUAGE TEACHING  
STAFF

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Flexible credit. Nongraded. *Two credit hours.*

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## Student-Taught Courses

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.99d  
STUDENT-TAUGHT COURSES

Student-organized and student-taught courses are offered from time to time in various departments and programs. Any such course must have a faculty sponsor and be approved by the educational policy committee. No student may register for more than three hours in such courses in any one semester unless he or she has completed or is concurrently completing the 105-basic-hour requirement. Flexible credit. Nongraded. *One to three credit hours.*

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## Western Civilization

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491, 492  
INDEPENDENT STUDY  
STAFF

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

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

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493, 494  
SEMINAR IN WESTERN CIVILIZATION  
STAFF

Interdisciplinary seminars conducted by at least two members of the western civilization advising faculty, leading to the composition of a major essay. Required of all senior majors in western civilization. *Three credit hours.*

# Preparation for Graduate and Professional Schools

The staff of the office of career counseling advise on matters related to graduate study; information on graduate programs is available in the office. They work closely with department chairmen, major advisers, and members of faculty committees to inform students of opportunities for fellowships and scholarships in graduate schools. From this office, students may obtain information on admission tests for prospective applicants to graduate schools of arts and sciences, law, medicine, and business administration.

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## ARTS AND SCIENCES

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

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## LAW AND GOVERNMENT SERVICE

The committee on professional preparation for law and government service advises students preparing for careers in these areas. The prelaw student may major in almost any field, but the student who has a specific goal in mind will profit from early consultation with members of the committee. The law-school admission test is given at the college each year.

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## MEDICINE AND DENTISTRY

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

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

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

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

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

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**ENGINEERING**

Colby College and the University of Rochester are affiliated in a joint program 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 Rochester. 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 Rochester.

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.

A member 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 Rochester's requirements.

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

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**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.

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**SECONDARY SCHOOL TEACHING**

Because education is an eclectic, interdisciplinary study that draws heavily upon philosophy, history, sociology, and psychology, Colby does not offer a major in education *per se*. Instead, relevant subjects are offered by appropriate departments to enable the student to qualify for regular secondary-school-teacher certification in Maine and most other states in the fields of English, social studies, science, mathematics, Latin, American studies, environmental

studies, and commonly taught modern foreign languages. Because certification requirements are in a state of flux, the student must assume the responsibility for obtaining the necessary information and planning a program with the office of education.

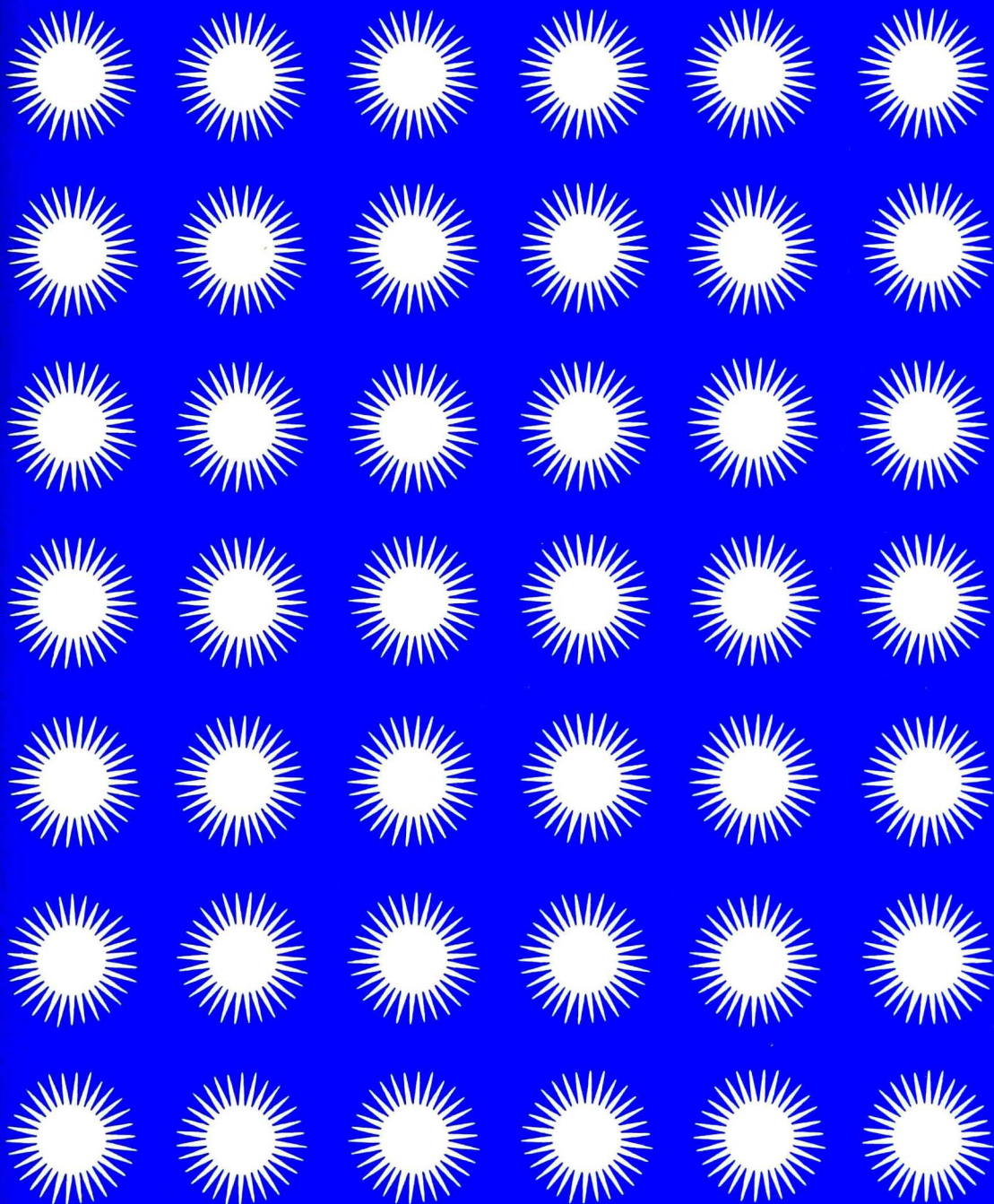
Candidates for preschool and elementary teaching, special education, guidance, administration, and special subjects such as art and music may take the sophomore- and junior-level courses only and complete their certification requirements elsewhere.

Students are urged to take all the field experiences open to them in the program.

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**BUSINESS**

Graduate programs in the administrative sciences at such schools as Harvard, Chicago, Cornell, the Wharton School of the University of Pennsylvania, and the Amos Tuck School of Dartmouth College continue to attract many Colby College graduates. Interested students should, early in their college careers, seek counsel from members of the department of administrative science. Seniors are urged to take the admissions test for graduate study in business.



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# The Corporation

*Corporate Name* THE PRESIDENT AND TRUSTEES OF COLBY COLLEGE

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BOARD OF TRUSTEES 1975-76	<p>(1981) ROBERT NEWTON ANTHONY, D.C.S., L.H.D.</p> <p>(AL. 1978) CHARLES PUTNAM BARNES II, LL.B.</p> <p>(AL. 1976) CLIFFORD ALLAN BEAN, M.B.A.</p> <p>JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L., LITT.D., SC.D.<sup>1</sup></p> <p>(AL. 1978) WILLIAM LAFRENTZ BRYAN, B.A., M.A.</p> <p>(1976) ALIDA MILLIKEN CAMP (MRS. FREDERIC E.), B.A., M.A.</p> <p>(1980) CLARK HOPKINS CARTER, B.A., M.A.</p> <p>(1981) H. KING CUMMINGS, B.S., M.A.</p> <p>(1977) NISSIE GROSSMAN, M.B.A.</p> <p>(AL. 1978) JEAN HAHLBOHM HAMPTON (MRS. RICHARD), B.A., M.A.</p> <p>(1977) WALLACE MEREDITH HASELTON, M.A.</p> <p>ELLERTON MARCEL JETTÉ, LL.D.<sup>1</sup></p> <p>(1978) KENNETH ALGERNON JOHNSON, M.A.</p> <p>(1978) GORDON BURR JONES, M.B.A.</p> <p>(AL. 1977) ROBERT SPENCE LEE, B.A., M.A.</p> <p>(1980) ROBERT ALLEN MARDEN, LL.B.</p> <p>(1979) RITA ANN McCABE, B.A., M.A.</p> <p>(1981) PAUL DONNELLY PAGANUCCI, J.D.</p> <p>ALBERT CARLTON PALMER, B.A., LL.D.</p> <p>(1981) WILSON COLLINS PIPER, LL.B., LL.D.</p> <p>(1978) FREDERICK ALBERT POTTLE, PH.D., LL.D., LITT.D., L.H.D.</p> <p>(AL. 1977) JOHN FRANKLIN REYNOLDS, M.D.</p> <p>(AL. 1976) ROBERT SAGE, B.A., M.A.</p> <p>(1977) JOSEPH COBURN SMITH, M.A., L.H.D.<sup>2</sup></p> <p>(1976) W. CLARKE SWANSON, JR., B.A., M.A.</p> <p>(AL. 1977) ANNE O'HANIAN SZOSTAK (MRS. MICHAEL), B.A., M.A.</p>	<p><i>Boston, Massachusetts</i></p> <p><i>Cape Elizabeth, Maine</i></p> <p><i>Concord, Massachusetts</i></p> <p><i>Jaffrey, New Hampshire</i></p> <p><i>East Holden, Maine</i></p> <p><i>East Blue Hill, Maine</i></p> <p><i>Wilton, Connecticut</i></p> <p><i>Guilford, Maine</i></p> <p><i>Wellesley, Massachusetts</i></p> <p><i>Topsfield, Massachusetts</i></p> <p><i>Augusta, Maine</i></p> <p><i>Sebec, Maine</i></p> <p><i>Newton Upper Falls, Mass.</i></p> <p><i>Needham, Massachusetts</i></p> <p><i>Danvers, Massachusetts</i></p> <p><i>Waterville, Maine</i></p> <p><i>Bronxville, New York</i></p> <p><i>Hanover, New Hampshire</i></p> <p><i>Stoneham, Massachusetts</i></p> <p><i>Boston, Massachusetts</i></p> <p><i>New Haven, Connecticut</i></p> <p><i>Waterville, Maine</i></p> <p><i>Newton, Massachusetts</i></p> <p><i>South Portland, Maine</i></p> <p><i>Naples, Florida</i></p> <p><i>Woonsocket, Rhode Island</i></p>

(AL. 1976)	SIGRID E. TOMPKINS, LL.B.	<i>Portland, Maine</i>
(1981)	THOMAS JOHN WATSON III, A.B., LL.B.	<i>Medfield, Massachusetts</i>
(1977)	ESTHER ZISKIND WELTMAN (MRS. SOL W.), M.ED., LL.D.	<i>Cambridge, Massachusetts</i>
(1979)	RALPH SAMUEL WILLIAMS, M.B.A., L.H.D.	<i>Southport, Maine</i>
(1977)	R. FREDERIC WOOLWORTH, M.A.	<i>Winthrop, Maine</i>
FACULTY (1976)	ROBERT EVERETT REUMAN, PH.D.	<i>Waterville, Maine</i>
REPRESENTATIVES (1977)	LUCILLE PINETTE ZUKOWSKI, M.A.	<i>Waterville, Maine</i>
STUDENT (1976)	P. JAMES CLARKE '76	<i>Oakland, Maine</i>
REPRESENTATIVES (1976)	MARTHA ANN NIST '76	<i>Kenmore, New York</i>

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

<sup>2</sup>Died June 11, 1975.

---

FELLOWS OF COLBY COLLEGE

CARLETON D. BROWN	<i>Waterville, Maine</i>
JAMES R. COCHRANE	<i>Lynnfield Center, Mass.</i>
AUGUSTINE A. D'AMICO	<i>Bangor, Maine</i>
RICHARD N. DYER	<i>Waterville, Maine</i>
EDITH E. EMERY	<i>Haverhill, Massachusetts</i>
ANSEL A. GRINDALL	<i>Winslow, Maine</i>
THOMAS M. HORAN	<i>Boston, Massachusetts</i>
BERNICE B. MCGORRILL (MRS. VIRGIL)	<i>Portland, Maine</i>
JOHN MCGOWAN	<i>Waterville, Maine</i>
H. STANLEY PALMER	<i>Waterville, Maine</i>
LEONARD G. SAULTER	<i>Waterville, Maine</i>
EDWARD H. TURNER	<i>Belgrade, Maine</i>
PETER A. VLACHOS	<i>New York, New York</i>
ELMER C. WARREN	<i>Waterville, Maine</i>

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OF TRUSTEES 1975-76

The chairman of the board and the president are members *ex officio* of all committees.

BUDGET AND FINANCE	Mr. Carter, <i>Chairman</i> ; Messrs. Anthony, Bean, Cummings, Sage; Vice-President Pullen, <i>Secretary</i> .
BUILDINGS AND GROUNDS	Mr. Grossman, <i>Chairman</i> ; Messrs. Barnes, Marden, Reynolds, Woolworth; Professors Miller, Reid; two students (Miss McRae; Mr. Schwartz); Vice-President Pullen, <i>Secretary</i> . Messrs. Brown, D'Amico, Grindall, McGowan, Palmer, Warren.
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Miss Emery.
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- HONORARY DEGREES Dr. Pottle, *Chairman*; Miss Tompkins, Mrs. Weltman; Mr. Johnson; Professors R. Reuman, L. Zukowski.
- INVESTMENT Mr. Jones, *Chairman*; Messrs. Carter, Haselton, Paganucci, Swanson, Williams, Woolworth; Vice-President Pullen, *Secretary*.  
Mr. Cox.
- NOMINATING Mr. Williams, *Chairman*; Messrs. Carter, Cummings, Haselton, Jones, Sage, Watson; Vice-President Turner, *Secretary*.
- PLANNING Mr. Piper, *Chairman*; Miss McCabe; Messrs. Anthony, Barnes, Bean, Grossman, Johnson, Woolworth; Professors Champlin, Parker; two students (Miss Ellowitz; Mr. Simesso); Vice-President Turner, *Secretary*.  
Mrs. McGorrill; Mr. Dyer.
- STUDENT AFFAIRS Mr. Cummings, *Chairman*; Mrs. Camp, Mrs. Hampton, Miss McCabe, Mrs. Szostak; Messrs. Barnes, Bean, Bryan, Marden, Reynolds; Professors Morrione, L. Zukowski; two students (Miss Getty; Mr. Malinoski); Dean Gillespie, *Secretary*.

# Faculty 1975-76

EMERITI

JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L., LITT.D., SC.D.  
*Professor of Philosophy, Emeritus; President, Emeritus*

---

DENNISON BANCROFT, PH.D.  
*Professor of Physics, Emeritus*

PHILIP STEWART BITHER, M.A.  
*Professor of Modern Languages, Emeritus*

WILBERT LESTER CARR, M.A., LL.D.  
*Professor of Latin, Emeritus*

RICHARD CARY, PH.D.  
*Professor of English, Emeritus*

ALFRED KING CHAPMAN, M.A., L.H.D.  
*Roberts Professor of English Literature, Emeritus*

EDWARD JOSEPH COLGAN, M.A., SC.D., L.H.D.  
*Professor of Education and Psychology, Emeritus*

ALICE PATTEE COMPARETTI, PH.D.  
*Professor of English, Emeritus*

ERMANNIO FRANCIS COMPARETTI, PH.D.  
*Professor of Music, Emeritus*

ARTHUR SAMUEL FAIRLEY, PH.D.<sup>1</sup>  
*Professor of Physics and Astronomy, Emeritus*

EARL AUSTIN JUNGHANS, M.S.  
*Associate Professor of Mathematics, Emeritus*

FLORENCE ELIZABETH LIBBEY, M.S.  
*Associate Professor of Library Science, Emeritus*

E. JANET MARCHANT, M.A.  
*Associate Professor of Physical Education, Emeritus*

ERNEST CUMMINGS MARRINER, M.A., L.H.D.  
*Professor of English, Emeritus; Dean, Emeritus; College Historian*

LEONARD WITHINGTON MAYO, B.A., S.SC.D.  
*Professor of Human Development, Emeritus*

JOHN FRANKLIN MCCOY, M.A.<sup>2</sup>  
*Professor of Modern Languages, Emeritus*

EARLE ALTON MCKEEN, M.ED.  
*Associate Professor of Education, Emeritus*

GEORGE THOMAS NICKERSON, M.A.  
*Dean of Men, Emeritus*

LUELLA FREDERICKA NORWOOD, PH.D.  
*Professor of English, Emeritus*

CLIFFORD HAZELDINE OSBORNE, B.A., D.D.

*Professor of Religion, Emeritus; Chaplain, Emeritus*

NINETTA MAY RUNNALS, M.A., LITT.D.

*Professor of Education, Emeritus; Dean, Emeritus*

ALLAN CHARLES SCOTT, PH.D.

*Dana Professor of Biology, Emeritus*

FRANCES FENN SEAMAN, B.MUS.

*Dean of Students, Emeritus*

ARTHUR WILLIAM SEEPE, M.C.S.

*Associate Professor of Administrative Science, Emeritus; Treasurer, Emeritus*

GORDON WINSLOW SMITH, M.A.

*Professor of Modern Languages, Emeritus*

NORMAN SWASEY SMITH, M.ED.

*Associate Professor of Education, Emeritus*

EVERETT FISK STRONG, B.A., M.A.

*Professor of Modern Languages, Emeritus*

RALPH SAMUEL WILLIAMS, M.B.A., L.H.D.

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

<sup>1</sup>Died December 15, 1975.

<sup>2</sup>Died August 3, 1975.

---

ACTIVE FACULTY

The active faculty is arranged alphabetically in rank. In parentheses are listed colleges from which earned degrees have been received.

PROFESSORS DOUGLAS NELSON ARCHIBALD, PH.D. (Dartmouth, Michigan)  
*Professor of English*

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

MIRIAM FRANCES BENNETT, PH.D. (Carleton, Mount Holyoke, Northwestern)  
*Dana Professor of Biology*

KINGSLEY HARLOW BIRGE, PH.D. (Dartmouth, Yale)  
*Professor of Sociology*

ARCHILLE HENRI BIRON, A.M. (Clark, Paris, Middlebury)  
*Professor of Modern Languages (French)*

JEAN D. BUNDY, PH.D.<sup>1</sup> (Washington State, Wisconsin)  
*Dana Professor of French Literature*

JAMES MORTON CARPENTER, PH.D. (Harvard)

*Jetté Professor of Art*

WILFRED JAMES COMBELLACK, PH.D. (Colby, Boston University)

*Professor of Mathematics*

EILEEN MARY CURRAN, PH.D. (Cornell, Cambridge, Cornell)

*Professor of English; Director of Miller Library*

JACK DONALD FONER, PH.D. (City College of New York, Columbia)

*Professor of History*

FREDERICK ARTHUR GEIB, PH.D. (New Hampshire, Brown, Syracuse)

*Professor of Sociology*

JAMES MACKINNON GILLESPIE, PH.D. (Harvard)

*Professor of Psychology; Associate Dean of Students<sup>4</sup>; Acting Dean of Students<sup>5</sup>*

KEMP FREDERICK GILLUM, PH.D. (Illinois, Wisconsin)

*Professor of History*

HENRY HOLLAND, PH.D.<sup>3</sup> (Maine, Harvard, Madrid)

*Professor of Modern Languages (Spanish)*

PAUL GERHARD JENSON, PH.D. (Luther, Minnesota)

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

ERNEST PARKER JOHNSON, PH.D. (Springfield, Brown)

*Dana Professor of Psychology; Director of Center for Coordinated Studies*

RICHARD KNOWLTON KELLENBERGER, PH.D. (Oberlin, Princeton)

*Professor of Modern Languages (French)*

DONALDSON KOONS, PH.D. (Columbia), SC.D.

*Dana Professor of Geology*

PAUL EWERS MACHEMER, PH.D. (Princeton, Pennsylvania)

*Professor of Chemistry*

COLIN EDWARD MACKAY, PH.D. (Brown)

*Professor of English*

ALBERT ANTHONY MAVRINAC, PH.D. (Pittsburgh, Harvard)

*Professor of Government*

WILLIAM BLACKALL MILLER, PH.D. (Harvard, Columbia)

*Professor of Art*

FRANCIS HOWARD PARKER, PH.D. (Evansville, Indiana, Harvard)

*Dana Professor of Philosophy*

PAUL POWERS PEREZ, PH.D. (U.S. Coast Guard Academy, New York University)

*Professor of Psychology; Clinical Psychologist*

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

*Professor of Economics; Administrative Vice-President*

WENDELL AUGUSTUS RAY, PH.D. (Bates, Harvard)

*Professor of Chemistry*

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

*Professor of History*

PETER JOSEPH RÉ, M.A.<sup>3</sup> (Yale, Columbia)

*Professor of Music*

EVANS BURTON REID, PH.D. (McGill)

*Merrill Professor of Chemistry*

ROBERT EVERETT REUMAN, PH.D. (Middlebury, Pennsylvania)

*Professor of Philosophy*

HENRY OTTO SCHMIDT, PH.D. (Ursinus, Pennsylvania, Boston University)

*Professor of Modern Languages (German)*

ROBERT EDWARD LEE STRIDER II, PH.D. (Harvard)

*Professor of English; President*

IRVING DAVID SUSS, PH.D. (North Carolina, Columbia)

*Professor of English*

JOHN HALE SUTHERLAND, PH.D. (Swarthmore, Pennsylvania)

*Professor of English*

ROBERT LEE TERRY, PH.D. (Earlham, Pennsylvania)

*Professor of Biology*

GUSTAVE HERMAN TODRANK, PH.D. (DePauw, Boston University)

*Professor of Philosophy and Religion*

GUENTER WEISSBERG, J.D., PH.D. (New York University, Columbia Law, Columbia)

*Professor of Government*

LUCILLE PINETTE ZUKOWSKI, M.A. (Colby, Syracuse)

*Professor of Mathematics*

WALTER HENRY ZUKOWSKI, PH.D. (Clark)

*Wadsworth Professor of Administrative Science*

ASSOCIATE PROFESSORS JAMES FOSTER ARMSTRONG, PH.D. (Harvard)  
*Associate Professor of Music*

CHARLES WALKER BASSETT, PH.D.<sup>1</sup> (South Dakota, Kansas)  
*Associate Professor of English*

CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh)  
*Associate Professor of History*

MARJORIE DUFFY BITHER, M.A. (Simmons, Columbia)  
*Associate Professor of Physical Education*

PATRICK BRANCACCIO, PH.D. (Brooklyn College, Ohio State, Rutgers)  
*Associate Professor of English*

DAVID GORDON BRIDGMAN, PH.D.<sup>3</sup> (Yale, Wisconsin, Harvard)  
*Associate Professor of History*

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

FRANCISCO ANTONIO CAUZ, PH.D. (Villanova, Middlebury, Rutgers)  
*Associate Professor of Modern Languages (Spanish)*

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

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

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

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

HENRY ALBERT GEMERY, PH.D.<sup>1</sup> (Southern Connecticut, Harvard,  
 Pennsylvania)  
*Associate Professor of Economics*

JAN STAFFORD HOGENDORN, PH.D. (Wesleyan, London School of  
 Economics)  
*Associate Professor of Economics*

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

HAROLD ALVIN JACOBSON, ED.D. (Bowling Green, Harvard)  
*Associate Professor of Education*

JOHN KEMPERS, PH.D. (Hastings, Nebraska, Syracuse)  
*Associate Professor of Modern Languages (Russian)*

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

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

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

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

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

GEORGE DOUGLAS MAIER, PH.D. (Cornell College, Iowa State)  
*Associate Professor of Chemistry*

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

HAROLD RICHARD PESTANA, PH.D.<sup>3</sup> (California, Iowa)  
*Associate Professor of Geology*

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

DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas, Connecticut)  
*Associate Professor of Mathematics*

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

PETER WESTERVELT, PH.D. (Harvard)  
*Associate Professor of Classics*

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

WILLARD GORDON WYMAN, PH.D.<sup>4</sup> (Colby, Stanford)  
*Associate Professor of English; Dean of Students*

GLENN DORIN Zohner, PH.D. (Brigham Young, Massachusetts)  
*Associate Professor of Psychology*

ASSISTANT PROFESSORS DAVID LAWRENCE ABBATI, PH.D. (Bowdoin, Maine, Connecticut)  
*Assistant Professor of Psychology*

DONALD BRUCE ALLEN, PH.D.<sup>2</sup> (Fresno State, Illinois)  
*Assistant Professor of Geology*

JONATHAN BRIGGS, PH.D. (Dartmouth, Harvard)  
*Assistant Professor of Physics*

EDWARD JOSEPH BURKE, M.S.T. (Colby, New Hampshire)  
*Assistant Professor; Alumni Secretary*

ARTHUR KINGSLEY CHAMPLIN, PH.D. (Williams, Rochester)  
*Assistant Professor of Biology*

- RICHARD JOSEPH CLAREY, PH.D. (Bowdoin, Amos Tuck, Cornell)  
*Assistant Professor of Administrative Science*
- GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas)  
*Assistant Professor of Geology; Registrar*
- WALDO HERBERT COVELL, M.ED. (Maine)  
*Adjunct Assistant Professor of Physical Education*
- DANE JOSEPH COX, PH.D. (Harpur, Cornell)  
*Assistant Professor of Economics; Treasurer*
- PRISCILLA ALLEN DOEL, M.A. (Colby Junior, New York University)  
*Assistant Professor of Modern Languages (Portuguese and Spanish)*
- ROBERT GEORGE DOEL, M.A. (Heidelberg, Kent State)  
*Assistant Professor of Sociology*
- LORE SCHEFTER FERGUSON, PH.D. (Hartwick, Ohio State)  
*Assistant Professor of Modern Languages (German)*
- JUDITH ILANA FERSTER, PH.D.<sup>1</sup> (Smith, Brown)  
*Assistant Professor of English*
- DAVID H. FIRMAGE, PH.D. (Brigham Young, Montana)  
*Assistant Professor of Biology*
- BRUCE EDWARD FOWLES, PH.D. (Brown, California at Berkeley)  
*Assistant Professor of Biology*
- DAWN LANDER GHERMAN, PH.D. (City College of New York, Massachusetts)  
*Assistant Professor of English*
- WILLIAM HENRY GILBERT, PH.D. (Yale, Massachusetts)  
*Assistant Professor of Biology*
- ROBERT ALEXANDER GILLESPIE, PH.D. (Cornell, Iowa)  
*Assistant Professor of English*
- JOHN BRENNAN HAGENS, PH.D. (Occidental, Cornell)  
*Assistant Professor of Economics*
- JON FRANKLIN HALL, PH.D.<sup>7</sup> (Colby, Princeton)  
*Assistant Professor of Modern Languages (French)*
- RAOUF SAAD HANNA, PH.D. (Cairo, Ohio State, Indiana)  
*Assistant Professor of Economics*
- PETER BROMWELL HARRIS, PH.D. (Middlebury, Indiana)  
*Assistant Professor of English*
- HOMER T. HAYSLETT, JR., PH.D. (Bridgewater, Virginia Polytechnic, Dartmouth)  
*Assistant Professor of Mathematics*



ADEL VERNA HEINRICH, M.S.M. (Flora Stone Mather, Union Theological)

*Assistant Professor of Music*

JOHN THOMAS ROBERT HIGGINS, M.F.A. (Maryville, Wisconsin)

*Assistant Professor of Art*

MICHAEL LLOYD HODGES, M.ED. (Maine)

*Adjunct Assistant Professor of Physical Education*

JILL PEARL HODSDON, M.S. IN ED. (Colby Junior, Aroostook State, Maine)

*Adjunct Assistant Professor of Physical Education*

RICHARD PAUL HORWITZ, PH.D. (Pennsylvania)

*Assistant Professor of History*

ROBERT HURD KANY, PH.D.<sup>2</sup> (Michigan, Pennsylvania State)

*Assistant Professor of History; Director of the Division of Special Programs*

SUSAN MCILVAINE KENNEY, PH.D.<sup>6</sup> (Northwestern, Cornell)

*Assistant Professor of English*

ARTHUR MCAFEE KINGDON, M.TH., M.A. (Oberlin, Chicago)

*Assistant Professor of Sociology*

DON RODNEY LEET, PH.D. (Pittsburgh, Pennsylvania)

*Visiting Assistant Professor of Economics*

LEWIS FREDERICK LESTER, PH.D. (City University of New York, Connecticut)

*Assistant Professor of Psychology; Clinical Psychologist*

ALEXIS ANTHONY LEVITIN, PH.D. (Columbia)

*Assistant Professor of English*

GERALD JACOB LIEBERMAN, PH.D. (Wesleyan, Rochester)

*Assistant Professor of Mathematics*

THOMAS RICHMOND WILLIS LONGSTAFF, PH.D. (Maine, Bangor Theological, Columbia)

*Assistant Professor of Philosophy and Religion; Acting Chaplain<sup>5</sup>*

PAUL STUART MACHLIN, PH.D. (Yale, California at Berkeley)

*Assistant Professor of Music*

LOUIS MAISEL II, PH.D. (Harvard, Columbia)

*Assistant Professor of Government*

HARRIETT MATTHEWS, M.F.A. (Sullins Junior, Georgia)

*Assistant Professor of Art*

ROBERT PAUL MCARTHUR, PH.D. (Villanova, Temple)

*Assistant Professor of Philosophy*

- RICHARD JOHN MCGEE, B.S. in ED. (Maine)  
*Assistant Professor of Physical Education*
- JAMES WILLIAM MEEHAN, JR., PH.D. (Saint Vincent, Boston College)  
*Assistant Professor of Economics*
- ROGER NATHAN METZ, PH.D. (Oberlin, Cornell)  
*Assistant Professor of Physics*
- THOMAS JACK MORRIONE, PH.D. (Colby, New Hampshire, Brigham Young)  
*Assistant Professor of Sociology*
- ROBERT EDWARD MULLER, PH.D. (Cornell, S.U.N.Y. at Stony Brook)  
*Assistant Professor of Biology*
- CARL E. NELSON, M.ED. (Boston University, Maine)  
*Adjunct Assistant Professor of Physical Education; Director of Health Services*
- PATRICIA ARNOLD UNION, PH.D.<sup>8</sup> (Connecticut College, Harvard)  
*Assistant Professor of English*
- FRANCISCO R. PÉREZ, M.A. (Texas Western)  
*Assistant Professor of Modern Languages (Spanish)*
- ELIZABETH ELLEN PESTANA, M.S.<sup>6</sup> (Wisconsin)  
*Assistant Professor of Education*
- DOROTHY SWAN REUMAN, M.A.<sup>6</sup> (Wooster, Wisconsin)  
*Assistant Professor of Music*
- CARL BUCK SHEPARDSON, PH.D. (Middlebury, Syracuse)  
*Assistant Professor of Mathematics*
- MICHAEL LEWIS SHERARD, PH.D. (Cornell)  
*Assistant Professor of East Asian Languages and Linguistics*
- DIANE CAROL SKOWBO, PH.D. (Miami [Ohio], Brandeis)  
*Assistant Professor of Psychology*
- EARL HAROLD SMITH, B.A. (Maine)  
*Assistant Professor; Director of Communications*
- WAYNE LEE SMITH, PH.D. (Hartwick, Pennsylvania State)  
*Assistant Professor of Chemistry*
- SUSAN BLAIR STERLING, PH.D.<sup>8</sup> (Wellesley, California at Berkeley)  
*Assistant Professor of English*
- ROLAND W. THORWALDSEN, M.A., M.DIV.<sup>3</sup> (Monmouth, California at Berkeley, Church Divinity)  
*Assistant Professor of Philosophy and Religion; Chaplain*
- JONATHAN MARK WEISS, PH.D. (Columbia College, Yale)  
*Assistant Professor of Modern Languages (French)*

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

JANE FOWLER WYMAN, PH.D.<sup>7</sup> (Michigan, Stanford)  
*Assistant Professor of English*

INSTRUCTORS CAROL H. BASSETT, M.A.<sup>6</sup> (South Dakota)  
*Instructor in Mathematics*

KENNETH D. BRATT, M.A. (Calvin, Princeton)  
*Instructor; Consultant to the President*

THOMAS WESLEY BURKMAN, PH.D. (Asbury, Michigan)  
*Instructor in History*

GEORGE PAUL DULAC, B.S. (Maine)  
*Adjunct Instructor in Physical Education*

CHARLES STEWART HAUSS, PH.D. (Oberlin, Michigan)  
*Instructor in Government*

JOHN MARRON JOSEPH, JR., M.A.<sup>6</sup> (Boston College, Georgetown)  
*Instructor in Economics*

KENNETH MAKOTO KODAMA, M.A., M.PHIL. (Hawaii, Yale)  
*Instructor in Government*

ANTHONY MARTIN MARAMARCO, M.A. (Colby, Chicago)  
*Instructor in English; Administrative Assistant to the President*

ROBERT KALADIN McCONNELL, M.S. (Maine, Colorado)  
*Adjunct Instructor in Physical Education*

MARGARET KOONS MILLER, B.A.<sup>6</sup> (Wooster)  
*Instructor in Art*

CHRISTINE ELIZABETH MITCHELL, M.A. (Massachusetts, Michigan)  
*Adjunct Instructor in Physical Education (Dance)*

KENNETH HIROSHI MUKAI, B.A. (Colby)  
*Adjunct Instructor in Physical Education*

RAYMOND L. NEINSTEIN, M.A. (California at Berkeley, S.U.N.Y. at Buffalo)  
*Instructor in English*

MAURICE GEORGES OUDIN, M.A. (Montana State, Oregon)  
*Instructor in Modern Languages (French)*

JOSEPH ANTHONY REITER, M.A. (Rutgers)  
*Instructor in Modern Languages (French and German)*

LOWELL DEAN SAMUEL, JR., M.B.A. (DePauw, Washington University)  
*Instructor in Administrative Science*

COLLEEN ANITA MINER STAMESHKIN, M.A. (Chicago, Michigan)  
*Instructor in Philosophy*

DAVID CLIFTON WALKER, B.LITT.<sup>6</sup> (Bowdoin, Oxford)  
*Instructor in English*

LECTURERS SIDNEY WEYMOUTH FARR, M.A. (Colby, Maine)  
*Lecturer in Government; Director of Financial Aid and Career Counseling*

PLAMTHODATHIL SAMUEL JACOB, PH.D.<sup>5</sup> (Poona [India])  
*Visiting Lecturer in Indian Philosophy*

BARBARA LEKBERG, M.A.<sup>9</sup> (Iowa), D.F.A.  
*Artist in Residence*

STANLAKE J. T. SAMKANGE, PH.D.<sup>9</sup> (South Africa, Indiana)  
*Visiting Lecturer in African History*

ROCHELLE ELIZABETH SNEE, M.A. (Maryland, Washington)  
*Taylor Lecturer in Classics*

FACULTY WITHOUT RANK GENE W. CLEVINGER, M.S.L.S. (Missouri, Denver)  
*Assistant Director for Technical Services, Library*

J. FRASER COCKS III, PH.D. (Occidental, Michigan)  
*Special Collections Librarian*

MICHELLE DUFFY, M.S.L.S. (Mount Holyoke, Florida State)  
*Cataloguer, Library*

HARRY W. DUNSCOMBE, D.M.A.<sup>5</sup> (Florida, Conservatoire Royal de Bruxelles, Michigan)  
*Acting Director of Colby Community Symphony Orchestra*

DEBORAH LEA GIRARDIN, M.S. (Elmira, Simmons)  
*Audiovisual Librarian*

HUGH JAMES GOURLEY III, A.B. (Brown)  
*Director of Museum of Art*

WILLIAM WALTER HILL, M.S. (Saint Michael's, Long Island)  
*Technical Services Librarian*

FRANCES M. PARKER, M.S.L.S. (Harpur, Columbia)  
*Assistant Director for Public Services, Library*

RICHARD CRITTENDEN SEWELL, M.A.  
*Director of Dramatics*

MARSHA TEITELBAUM, M.S.L.S. (Barnard, Case Western Reserve)  
*Reference Librarian*

<sup>1</sup>On leave full year 1975-76.

<sup>2</sup>On leave first semester 1975-76.

<sup>3</sup>On leave second semester 1975-76.

<sup>4</sup>First semester only 1975-76.

<sup>5</sup>Second semester only 1975-76.

<sup>6</sup>Part-time.

<sup>7</sup>Part-time first semester 1975-76.

<sup>8</sup>Part-time second semester 1975-76.

<sup>9</sup>January program only.

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COLLEGE COMMITTEES

1975-76

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. Names with numerals following in parentheses are elected members; the numerals indicate the year of expiration of the term on the committee.

- ADMINISTRATIVE President Strider; Vice-Presidents Jenson, Pullen; Professors Todrank ('76), Allen ('77) (on leave first semester), W. Smith (replacing Allen first semester), E. Pestana ('78); Assistant to the President Dyer; Director of Communications E. Smith; Mr. Maramarco (secretary, nonvoting); three students (Ms. Saunders; Messrs. Parks, Taylor).
- ADMISSIONS Vice-Presidents Jenson, Pullen; Assistant Dean of Students Seitzinger; Professors Curran ('76), Meehan ('77), Berschneider ('77), Lieberman ('78); Dean of Admissions Carroll (nonvoting); four students (Ms. Perrin; Messrs. Knapp, Driscoll, Linsky); one nonvoting alumnus (Mr. Demong).
- ATHLETICS Professors Machermer ('77), Hogendorn ('76), Biron ('78), Hodsdon; Director of Athletics McGee; three students (Ms. Vayhinger; Messrs. S. Smith, Morrissey); one nonvoting alumnus (Mr. Jabar).
- BOOKSTORE Professors D. Reuman ('76), Dudley ('77), Clarey ('78); Bookstore Manager Fair; three students (Messrs. Bishop, McAuliffe, Garcia).
- EDUCATIONAL POLICY Vice-President Jenson; President Strider; Professors Cauz, Metz, Archibald ('76), Maisel ('76), H. Pestana ('76), Brancaccio ('77), Morrione ('77), Shepardson ('77); two students appointed by the president (Misses Pease, Debnar); three students selected by the Student Association (Miss Rogers; Messrs. Calhoun, Lee); without vote: Acting Dean of Students Gillespie; Mr. Maramarco (secretary); alumni representative (Mrs. Abbott).
- FINANCIAL AID Vice-President Pullen; Acting Dean of Students Gillespie; Dean of Admissions Carroll; Treasurer Cox; Director of Financial Aid Farr; Assistant Dean of Students Seitzinger; Professors Fowles ('76), Geib ('77), Mizner ('77), Jacobson ('78); four students (Miss Parks;

- Messrs. MacEwan, Fishbon, Bodden); one nonvoting alumnus (Mr. Bither).
- FINANCIAL PRIORITIES Vice-Presidents Pullen, Jenson; Professors Champlin ('76), Carpenter ('77), Morrione ('78); three students (Messrs. Raue, Khan, Lefeber); one nonvoting alumnus (Mr. Eustis).
- FOREIGN STUDY AND STUDENT EXCHANGE Professors Cauz, Biron, Brancaccio, Champlin, Sherard, Schmidt, Longstaff, P. Perez; Registrar Coleman; Assistant Dean of Students Seitzinger; Assistant to the Dean of Faculty Downing; four students (Misses Pacun, Ciborowski, DeGrouchy; Mr. Malinoski).
- INDEPENDENT MAJOR BOARD Vice-President Jenson; Professors Carpenter ('77), Kodama ('77), Small ('77), Archibald ('78), Kingdon ('78), Easton ('78); two students (Ms. Hotchkiss; Mr. Weinstein).
- JANUARY PROGRAM<sup>1</sup> Professors Rosenthal ('76), Combella ('77), Weiss ('78); Assistant to the Dean of Faculty Downing; three students (Ms. Mains; Messrs. Bothfeld, Hough).
- LIBRARY Director of the Library Curran; Audiovisual Librarian Girardin; Professors J. Wyman ('76), H. Pestana ('77), Reiter ('78), Longstaff ('78); three students (Misses L. Johnson, Duteau; Mr. D. Harris).
- RIGHTS AND RULES Ms. Daly (student); Assistant Dean of Students Seitzinger; Director of Student Activities Benson; Audiovisual Librarian Girardin ('76); Professor Kingdon ('77); four additional students (Misses Brox, Getty; Messrs. C. Snider, Cecelski).
- SENIOR SCHOLARS Professors Maier ('77), W. Miller ('76), P. Perez ('78), Westervelt; one student (C. Johnson).
- STANDING Professors Benbow, Knight, Bennett; Vice-President Jenson; Acting Dean of Students Gillespie; Registrar Coleman; two students (Ms. Koza; Mr. Morell).

<sup>1</sup>Formerly SPECIAL PROGRAMS.

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#### FACULTY COMMITTEES

1975-76

- ADVISORY COMMITTEE ON FACULTY PERSONNEL POLICIES Professors Bennett, Holland, E. Kenney ('76), Hayslett ('77), Parker ('78); Vice-President Jenson.
- AFFIRMATIVE ACTION (Chairman to be elected by the committee.) Professors P. Doel ('76), L. Ferguson ('77), Kodama ('77); Registrar Coleman ('77); Mr. Erickson (student); Mr. Poulin (buildings and grounds); Mrs. Googins

(food service); Mrs. Kiralis (administration, no faculty rank); Mrs. Picard (support staff: secretarial, clerical).

APPEALS BOARD<sup>1</sup> Professors Knight ('76), Morrione ('77), Todrank ('78).

GRADUATE SCHOLARSHIP Director of Career Counseling Farr; Professors Harris, Bundy, D. Reuman, Sweney, Terry, Todrank, Weissberg, W. Zukowski.

GRIEVANCE Professors Hayslett ('76), C. Ferguson ('77), Kellenberger ('78).

HEARING COMMITTEE FOR (Chairman to be elected by the committee.) Professors Armstrong  
DISMISSAL PROCEEDINGS ('76), Metz ('76), Parker ('76), Gilbert ('76), Matthews ('76), Carpenter ('77), L. Zukowski ('77), Maisel ('77), P. Doel ('77), Rosenthal ('77), Sweney ('78), Meehan ('78), Small ('78), Bither ('78), Westervelt ('78).

NOMINATING Professors Terry, Benbow, R. Reuman, Champlin, Hogendorn.

REMEMBRANCE Professors Bither, Combella, Hodges.

RESEARCH, TRAVEL, AND Vice-Presidents Jenson, Pullen; Professors Benbow, R. Reuman,  
SABBATICAL LEAVES Terry.

<sup>1</sup>As described in Article IV, "Student Judiciary."

OTHER COMMITTEES OR  
COUNCILS 1975-76

ADVISORY COMMITTEE ON Professors Holland, Weiss, Easton, L. Ferguson; Dean of Admissions  
FOREIGN STUDENT ADMISSIONS Carroll; Director of Financial Aid Farr; Registrar Coleman; three students (Messrs. Gavilanes, Irwin, Simesso).

COMMITTEE OF NINE Vice-President Jenson; Professors Carpenter ('76), Parker ('76), L.  
OF THE ACADEMIC COUNCIL Zukowski ('76), Bundy ('77), R. Reuman ('77), Machemer ('77), Benbow ('78), Raymond ('78), Bennett ('78).

COMPUTER Professors Metz, Clarey, Combella, Hanna, Lester, Maisel; Vice-  
Presidents Jenson, Pullen; Librarian Clevenger; two students (Messrs. Ingraham, Rieck).

HUMANITIES GRANTS Professors Benbow, Archibald, Armstrong, Carpenter, Foner, Hol-  
land, D. Koonce, Parker; Vice-Presidents Jenson, Pullen.

INTERDISCIPLINARY STUDIES Professors D. Koonce, Brancaccio, Foner, Gilbert, Johnson, King-  
COUNCIL don, Sherard; Vice-President Jenson.

NATURAL SCIENCES GRANTS Professors Terry, Bennett, Koons, Metz, Reid, L. Zukowski; Vice-  
Presidents Jenson, Pullen.

PROFESSIONAL PREPARATION

COMMITTEES

*Law and Government Service* Professors Maisel, Meehan, Weissberg.  
*Medical and Dental* Professors Terry, Bennett, Dudley, Maier.  
*Secondary School Teaching* Professors Jacobson, E. Pestana, Combella.

SOCIAL SCIENCES GRANTS Professors R. Reuman, Geib, J. Gillespie, Hogendorn, Jacobson, Mavrinnac, W. Zukowski; Vice-Presidents Jenson, Pullen.



# Administrative Staff 1975-76

## PRESIDENT

**Robert Edward Lee Strider II, PH.D., LL.D.,  
HH.D., L.H.D., D.S. in B.A., D.ED.**

## ASSISTANT TO THE PRESIDENT

**Richard Nye Dyer, B.A.**

## ADMINISTRATIVE ASSISTANT TO THE PRESIDENT

**Anthony M. Maramarco, M.A.**

## VICE-PRESIDENT FOR ACADEMIC AFFAIRS AND DEAN OF FACULTY

**Paul Gerhard Jenson, PH.D.**

## ASSISTANT TO THE DEAN OF FACULTY

**Doris L. Downing (Mrs.), B.A.**

## ADMINISTRATIVE VICE-PRESIDENT

**Robert White Pullen, PH.D.**

## VICE-PRESIDENT FOR DEVELOPMENT

**Edward Hill Turner, B.A., L.H.D.**

## ASSOCIATE DIRECTOR OF DEVELOPMENT

**Frank Platten Stephenson, B.A.**

## TREASURER

**Dane Joseph Cox, PH.D.**

## ASSISTANT TREASURER

**Douglas Edward Reinhardt, B.A.**

## DEAN OF STUDENTS

**Willard Gordon Wyman, PH.D.<sup>1</sup>**

## ASSOCIATE DEAN OF STUDENTS<sup>1</sup>;

## ACTING DEAN OF STUDENTS<sup>2</sup>

**James M. Gillespie, PH.D.**

## ASSISTANT DEAN OF STUDENTS

**Janice J. Seitzinger (Mrs.), M.A.**

## ASSISTANT TO THE DEAN OF STUDENTS

**Elizabeth Kiralis (Mrs.), M.L.S.**

## SPECIAL ASSISTANT TO THE DEAN OF STUDENTS

**Elizabeth Todrank (Mrs.), M.ED.**

## DEAN OF ADMISSIONS

**Harry R. Carroll, M.A.**

## ASSISTANT DEAN OF ADMISSIONS

**Walter J. Brooks, M.A.**

## ASSISTANTS TO THE DEAN OF ADMISSIONS

**Alison Bielli, M.ED.**

**Curtis A. Sears, B.A.**

## REGISTRAR

**George Leidigh Coleman II, M.A.**

## DIRECTOR OF FINANCIAL AID AND CAREER COUNSELING

**Sidney W. Farr, M.A.**

## ASSISTANT TO THE DIRECTOR OF

## FINANCIAL AID AND CAREER COUNSELING

**Gary N. Weaver, B.A.**

## DIRECTOR OF THE DIVISION OF SPECIAL PROGRAMS

**Robert Hurd Kany, PH.D.**

## ALUMNI SECRETARY

**Edward J. Burke, Jr., M.S.T.**

## CHAPLAIN

**Roland W. Thorwaldsen, M.A., M.DIV.<sup>3</sup>**

## ACTING CHAPLAIN<sup>2</sup>

**Thomas R. W. Longstaff, PH.D.**

## DIRECTOR OF COMMUNICATIONS

**Earl Harold Smith, B.A.**

## DIRECTOR OF PUBLICATIONS

**Donald E. Sanborn, Jr., B.A.**

## ASSISTANT COLLEGE EDITOR

**Mark A. Shankland, M.A.**

## DIRECTOR OF MILLER LIBRARY

**Eileen M. Curran, PH.D.**

## DIRECTOR OF THE MUSEUM OF ART

**Hugh J. Gourley III, A.B.**

## COORDINATOR OF THE COLLEGE CALENDAR

**Linda A. Guité, B.A.**

## DIRECTOR OF STUDENT ACTIVITIES

**Susan B. Benson, B.A.**

DIRECTOR OF THE NEWS BUREAU

Mark A. Leslie, B.A.

PLANT ENGINEER

H. Stanley Palmer, S.B.

SUPERINTENDENT OF BUILDINGS AND GROUNDS

Ansel A. Grindall

DIRECTOR OF FOOD SERVICE

J. Paul O'Connor

HISTORIAN

Ernest Cummings Marriner, M.A., L.H.D.

MANAGER OF THE BOOKSTORE

SueBeth Fair, B.A.

COMPUTER PROGRAMMER

Kenneth Roberts, B.A.

MARSHALS

Gustave Herman Todrank, PH.D.  
*College Marshal*

Francisco Antonio Cauz, PH.D.  
Yvonne Richmond Knight (Mrs.), M.B.A.  
*Assistant College Marshals*

Harold Alvin Jacobson, ED.D.  
*Faculty Marshal*

Robert White Pullen, PH.D.  
*Platform Marshal*

ASSISTANTS AND SECRETARIES

B. Byrd Allen, B.A.  
*Administrative Staff Assistant*

Glenda J. Ambrose  
*Secretary to the Director of Food Service*

Doris Armstrong (Mrs.)  
*Addressograph*

Elva F. Armstrong (Mrs.)  
*Secretary, Office of the President*

Sara C. Armstrong (Mrs.), A.B.  
*Assistant, Fine Arts Library*

Norma Bartlett (Mrs.)  
*Secretary to the Director of Financial Aid*

M. Jean Bird (Mrs.), B.A.  
*Acquisitions Assistant, Library*

Lucille Bois (Mrs.)  
*Secretary, Admissions Office*

Betsy P. Burke (Mrs.), B.A.  
*Interviewer, Admissions Office*

Marilyn E. Canavan (Mrs.)  
*Secretary, Dean of Students Office*

Betsy Champlin (Mrs.), B.A.  
*Assistant, Biology*

Eleanor Clark (Mrs.)  
*Manager, Supply and Mimeograph Service*

Jean Clarke (Mrs.)  
*Switchboard*

Betsy Ann Cole (Mrs.)  
*Secretary, Admissions Office*

Jean M. Cormier  
*Secretary, Communications Office*

Miriam Covell (Mrs.)  
*Secretary, Treasurer's Office*

Valerie A. Craig  
*Secretary, Development Office*

Willard H. Cummings II  
*Assistant, Museum of Art*

Nancy Davison (Mrs.)  
*Secretary, Infirmary*

Frances Diggs  
*Catalogue Assistant, Library*

Irvine S. Doe (Mrs.)  
*Supervisor, Switchboard*

Helen S. Eastwood (Mrs.)  
*Circulation Assistant, Library*

Carmeline M. Fredette (Mrs.)  
*Secretary, Admissions Office*

Martha Freese, B.A.  
*Publications Assistant*

Virginia W. Gallant (Mrs.)  
*Secretary to the Director of Career Counseling*

Elizabeth H. Gosselin (Mrs.), M.L.S.  
*Special Collections Assistant, Library*

Darlene Hallee (Mrs.)  
*Secretary, Buildings and Grounds*

George M. Hammond  
*Clerk, Bookstore*

Jeanne Hammond (Mrs.), B.A.  
*Secretary, Registrar's Office*

Lillian Harris (Mrs.)  
*Cashier, Bookstore*

Charlotte Hinckley  
*Secretary, Dean of Students Office*

Mildred A. Keller (Mrs.), B.A.  
*Secretary to the President*

Patricia D. Kick (Mrs.)  
*Secretary, History and Government*

Frances King (Mrs.)  
*Secretary to the Director of the Division of  
Special Programs*

Trudy King (Mrs.)  
*Secretary to the Director of Student Activities*

Joanne E. LaBombard (Mrs.)  
*Secretary, Clinical Psychologists*

Gloria Lancaster (Mrs.), B.A.  
*Bookkeeper, Treasurer's Office*

Theresa LaRochelle  
*Cashier, Treasurer's Office*

Hazel Longley (Mrs.)  
*Secretary to the Vice-President for Development*

Peggy Maramarco (Mrs.), B.A.  
*Secretary, Life Sciences*

Dorothea E. Marchetti  
*Circulation Assistant, Library*

Joyce Matthews (Mrs.)  
*Secretary, Lovejoy*

Carole C. McCaslin (Mrs.)  
*Secretary, Development Council*

Glenna M. Michaud (Mrs.)  
*Secretary, Physical Education*

Stella L. Morin (Mrs.)  
*Circulation Assistant, Library*

Terry L. Morrisseau (Mrs.)  
*Secretary, Lovejoy Faculty*

Carolyn M. Nelson (Mrs.), A.B.A.  
*Secretary to the Assistant to the President*

S. Carleen Nelson (Mrs.)  
*Secretary to the Dean of Admissions*

Barbara Nowland (Mrs.)  
*Secretary, Modern Languages*

Margaret G. Nutting (Mrs.), PH.D.  
*Secretary, Art Department and Museum*

Pauline C. Otis (Mrs.)  
*Secretary, Physical Education*

Collette P. Pelkey  
*Secretary, Admissions Office*

Carol Philbin (Mrs.), B.A.  
*Secretary, Dean of Students Office*

Helen Picard (Mrs.)  
*Accounts Payable, Treasurer's Office*

Thelma Plusquellic (Mrs.)  
*Secretary, Registrar's Office*

Alice E. Poirier (Mrs.)  
*Secretary to the Vice-President for Academic  
Affairs*

Constance Pomerleau (Mrs.)  
*Secretary to the Plant Engineer*

Pauline Poulin  
*Secretary, News Bureau*

Lucille M. Rancourt (Mrs.)  
*Payroll Accountant, Treasurer's Office*

Elizabeth A. Reilly  
*Secretary, Chaplain's Office*

Annette Reynolds (Mrs.)  
*Key Operator, Lovejoy*

Earla B. Robertson (Mrs.)  
*Secretary to the Librarian*

Mary C. Roy (Mrs.)  
*Secretary to the Administrative Vice-President*

Ann Rummel (Mrs.)  
*Secretary, Women's Physical Education*

Ellen F. St. Peter (Mrs.)  
*Students' Accounts, Treasurer's Office*

Terry H. Slaney (Mrs.)  
*Secretary, Registrar's Office*

Penny A. Spear (Mrs.), A.S.  
*Secretary, Alumni Office*

Helen Staples (Mrs.)  
*Secretary, Music*

Gerald Thomas, B.S.  
*Assistant to the Bookstore Manager*

Alice H. Trask (Mrs.)  
*Secretary, Alumni Office*

Melanie Villemont (Mrs.), M.S.  
*Cataloguer, Colbiana*

Dorothy I. Walton  
*Secretary to the Treasurer*

Carol A. Welch (Mrs.), B.S.  
*Secretary, English*

Barbara Williamson (Mrs.)  
*Supervisor, Mail Room*

Pauline F. Wing (Mrs.)  
*Secretary, Natural Sciences*

Christine W. Winkin (Mrs.)  
*Secretary, Treasurer's Office*

MAINTENANCE STAFF DEPARTMENT HEADS

J. Norman Poulin  
*Sanitation Foreman*

Robie F. Bickmore  
*Heating Foreman*

Fernand J. Michaud  
*Outside Foreman*

Roy Brackett  
*Electrical Foreman*

MEDICAL STAFF

Clarence E. Dore, M.D.  
*College Physician*

John F. Reynolds, M.D.  
*Consultant in Surgery*

Carl E. Nelson, M.ED.  
*Director of Health Services*

Normand Sylvestre, B.A.  
*Assistant Head Trainer*

Priscilla Sargent, R.N.  
*Head Nurse*

NURSES

Linda Clifford, R.N.  
Marion S. Collins (Mrs.), R.N.  
Elizabeth Frost (Mrs.), R.N.  
Bonnie Hobitz (Mrs.), R.N.  
Eleanor Murphy (Mrs.), R.N.  
Lita Poulin (Mrs.), Nurse's Aide  
Mildred Richardson (Mrs.), R.N.

DIETARY STAFF

Russell W. Colvin  
*Manager, Roberts Union Dining Hall*

Inza T. Foster (Mrs.)  
*Manager, Foss Dining Hall*

John Jenkins  
*Manager, Dana Dining Hall*

<sup>1</sup>First semester only 1975-76.

<sup>2</sup>Second semester only 1975-76.

<sup>3</sup>On leave second semester 1975-76.

# Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL

LOCATIONS OF STUDENTS' HOMES 1975-76

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
ALL AREAS	912	695	1607	Pennsylvania	31	24	55
				Puerto Rico	3	0	3
NEW ENGLAND	604	455	1059	South Carolina	1	1	2
Connecticut	97	69	166	Texas	5	1	6
Maine	125	127	252	Utah	1	0	1
Massachusetts	307	196	503	Virginia	5	11	16
New Hampshire	42	35	77	Washington	1	0	1
Rhode Island	27	17	44	Wisconsin	2	7	9
Vermont	6	11	17				
				FOREIGN COUNTRIES	25	9	34
OUTSIDE NEW ENGLAND	282	231	513	Bahamas	1*	0	1
Alabama	1	1	2	Bangladesh	1	0	1
Arizona	2	1	3	Canada	10***	0	10
California	11	12	23	Costa Rica	1	0	1
Colorado	2	3	5	Ecuador	1	0	1
Delaware	1	0	1	England	1*	2**	3
District of Columbia	1	2	3	Ethiopia	1	0	1
Florida	2	6	8	Finland	1	0	1
Georgia	2	3	5	France	1*	0	1
Idaho	1	0	1	Guyana	1	0	1
Illinois	10	9	19	Holland	0	1	1
Indiana	3	1	4	Honduras	0	1	1
Kansas	0	1	1	Hong Kong	2*	0	2
Louisiana	4	0	4	Morocco	0	1*	1
Marshall Islands	0	1	1	Nigeria	1	0	1
Maryland	12	10	22	Philippines	1*	2**	3
Michigan	3	4	7	Portugal	0	1*	1
Minnesota	10	5	15	Switzerland	0	1*	1
Missouri	3	5	8	Tanzania	1	0	1
Montana	0	3	3	Venezuela	1*	0	1
New Jersey	60	40	100				
New Mexico	0	4	4				
New York	88	72	160				
North Carolina	3	1	4				
Ohio	13	3	16				
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 and recommendation of the major department. The department recommends *distinction in the major* only for those very few students who, in the opinion of the department, merit special recognition.

In American colleges, it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This society, founded in 1776, restricts its chapters to leading colleges and universities, and maintains high scholastic standards. The Beta Chapter of Maine was organized at Colby in 1895.

Each spring, the college recognizes student achievement with the announcement of various honors and awards. Among those recognized are: members of Phi Beta Kappa; Senior Scholars for the ensuing year; winners of college prizes; and recipients of Phi Beta Kappa certificates, awarded to members of the three lower classes for distinction in scholarship.

Academic excellence is also recognized at a convocation each fall for the Julius Seelye Bixler and Charles A. Dana scholars. Bixler Scholars are the top-ranking students as determined by the academic records of the preceding year. Dana Scholars are selected on the basis of a strong academic performance and potential leadership.

The Dean's List, recognizing high academic standing, and announced at the conclusion of each semester, includes the name of every student whose average of all marks in the previous semester has been at least 3.2 in a minimum of twelve basic credit hours for upperclassmen, 3.0 in a minimum of twelve basic credit hours for freshmen.

# Degrees Awarded at Commencement

## Sunday, June 1, 1975

### BACHELOR OF ARTS

- John David Abraham, *Delmar, N. Y.*  
 Nancy Pearl Adams, *China, Me.*  
 Peter Francis Adelsberger, *Cranston, R. I.*  
 Susan Adolfson, *Stamford, Conn.*  
 Joseph Leonard Alex, *Freedom, Me.*  
 Daniel Saunders Alexander, *Lincoln, Vt.*  
 John Davidson Allan, *Ridgewood, N. J.*  
 Boyd Byrd Allen, *Warren, N. J.*  
 Carolyn Summers Anderson, *Needham, Mass.*  
 James R. Arnold, *Lake Forest, Ill.*  
 Debra Ruth Babbitt, *Worcester, Mass.*  
 Jane Lynott Backlund, *Washington, D. C.*  
 Deborah Radcliffe Baker, *Alexandria, Va.*  
 Deidre Lynne Ballentine, *Pluckemin, N. J.*  
 Theresa Hilda Barnes, *Suffolk, Va.*  
 Thomas William Bartels, *Bennington, Vt.*  
 Claudia Margaret Bassis, *Harrison, N. Y.*  
 Mary Josephine Bastron, *Rochester, Minn.*  
 Christine Mary Beale, *Bellows Falls, Vt.*  
 Janet Lynn Bedula, *Cresskill, N. J.*  
 Donald Saunders Bell, Jr., *Wayland, Mass.*  
 N. Michael Belt, Jr., *Bethany, Okla.*  
 Susan Benedict Benson, *Woodbury, Conn.*  
 Barby Lynn Beran, *Montville, N. J.*  
 Michelle Marie Bernier, *Waterville, Me.*  
 Alan Russell Berry, *Sudbury, Mass.*  
 Eleanor Lurah Betz, *Annapolis, Md.*  
 Dianne Louise Billington, *Somerset, Mass.*  
 Susan Ann Blanker, *Greenfield, Mass.*  
 Mary Victoria Blaum, *Worcester, Mass.*  
 Charles Henry Bolger, *Minneapolis, Minn.*  
 J. Taylor Bond, *Saco, Me.*  
 Peter Simmons Boone, *Trumansburg, N. Y.*  
 George N. Bourikas, *Quincy, Mass.*  
 J. Whitney Bowen II, *Swansea, Mass.*  
 Kristine Elizabeth Bowen, *Andover, Mass.*  
 Pamela Joan Bradley, *Acton, Mass.*  
 Carolyn Lee Breeden, *Wakefield, Mass.*  
 Betsy Chandler Brigham, *Longmeadow, Mass.*  
 David Chaplow Bright, *Southport, Conn.*  
 Curtiss Nettleton Brown, *Southbury, Conn.*  
 Margaret Lynn Lewis Bruce, *Virginia Beach, Va.*  
 Donald Gray Buckley, *Westfield, Mass.*  
 Carla Patricia Call, *South Burlington, Vt.*  
 Elizabeth Griggs Cammack, *Hugo, Minn.*  
 Carol Lee Campbell, *Tabor, N. J.*  
 Nancy McDonough Canavan, *Verona, N. J.*  
 Michael Paul Cantara, *Biddeford, Me.*  
 Scott George Carey, *Holliston, Mass.*  
 Ann Elizabeth Carlaw, *Glens Falls, N. Y.*  
 Barbara Bentz Carroll, *Potomac, Md.*  
 Douglas P. Carter, *Needham, Mass.*  
 Joseph Edward Casey, Jr., *Reading, Mass.*  
 Patricia Ann Cass, *Hopkinton, N. H.*  
 Vincent Michael Cassone, *Stamford, Conn.*  
 Peter Colin Chace, *Marion, Mass.*  
 Karen Laura Chadbourne, *Somers, Conn.*  
 Sim Kuen Chan, *Penang, Malaysia*  
 Hong Won Chung, *Seoul, Korea*  
 Brian Leslie Clark, *Albion, Me.*  
 David Bruce Clark, *Nashua, N. H.*  
 Peter Cushman Clark, *Nashua, N. H.*  
 Daniel Harry Cohen, *Teaneck, N. J.*  
 Paul Howard Coleman, Jr., *Braintree, Mass.*  
 John Arthur Conant, *Moorestown, N. J.*  
 Susan Farwell Conant, *Pembroke, Mass.*  
 Gerard Joseph Patrick Connolly, *Portland, Me.*  
 Gordon Thomas Cook, *Tiverton, R. I.*  
 Kevin Scott Cooman, *Fairport, N. Y.*  
 John Francis Coppinger, Jr., *Ridgewood, N. Y.*  
 Paul Anthony Cote, *Lewiston, Me.*  
 James Lee Cousins, Jr., *Miami, Fla.*  
 Peter B. Coz, *Grafton, Mass.*  
 William Edward Craft, *Shelton, Conn.*  
 Norma Leigh Cromwell, *Norfolk, Va.*  
 Edward Smith Cronick, *Anchorage, Alaska*  
 Calvin Ellis Crouch, Jr., *Alexandria, Va.*  
 Jean Alice Crowley, *Quincy, Mass.*  
 Nancy Anne Curtis, *Sebago Lake, Me.*  
 Christopher Scott Dana, *Bryn Mawr, Pa.*

- Barry Scott Davies, *Ridgefield, Conn.*  
 Edmund Peter Decker, *Haworth, N.J.*  
 Robin Dekker, *Wayne, N.J.*  
 David Arthur Delande, *Danvers, Mass.*  
 Gene Bartholomew DeLorenzo, *Hyannis, Mass.*  
 Joan Mary DeSalvo, *Roslindale, Mass.*  
 Carolyn Theresa Deuringer, *Baltimore, Md.*  
 Joseph Leo Doherty, *Medford, Mass.*  
 Nina Jeanne Domenico, *Jamesville, N.Y.*  
 Gregory Miller Downs, *Madison, N.J.*  
 Herrick Aiken Drake, Jr., *Avon, Conn.*  
 Charles Buchanan Drew, *Ladue, Mo.*  
 William Mark Driscoll, *Leominster, Mass.*  
 Robert Stanley Duchesne, Jr., *Concord, N.H.*  
 Christopher N. Duncan, *New York, N.Y.*  
 Catherine Helen Durand, *Raleigh, N.C.*  
 Eleanor Selden Eddy, *Tarrytown, N.Y.*  
 Ruth A. Elkin, *Great Neck, N.Y.*  
 Sarah Louise Ellis, *Gardner, Mass.*  
 Douglas Bror Leith Endreson, *Milwaukee, Wis.*  
 Howard Jay Erlichman, *Wayland, Mass.*  
 Elizabeth Alice Ernst, *Bethesda, Md.*  
 Carolyn Louise Estes, *Rye, N.Y.*  
 Francis John Evans, *Cohasset, Mass.*  
 Linda Lane Evans, *Avon, Conn.*  
 Robert Walter Evans, Jr., *Cranston, R.I.*  
 Paul Joseph Fagan, *Montclair, N.J.*  
 Dawn Marie Farnham, *Belgrade, Me.*  
 Mark A. Farrington, *Great Barrington, Mass.*  
 Elizabeth Adele Fay, *Savannah, Ga.*  
 Scott Francis Feltman, *Westport, N.Y.*  
 Deborah Joyce Field, *Cos Cob, Conn.*  
 Robert John Fiftal, Jr., *Ledyard, Conn.*  
 Kathleen Ann Fisher, *Bethesda, Md.*  
 Laurie Beth Fitts, *Pittsfield, Me.*  
 Lawrence Kenneth Fleischman, *New Rochelle, N.Y.*  
 Eleanor Woolf Fleming, *Brookline, N.H.*  
 Michael G. Fletcher, *Lincoln, Me.*  
 Carol Rolfe Foss, *Penacook, N.H.*  
 Malcolm Craig Foster, *Northford, Conn.*  
 Jeffrey A. H. Frankel, *Norwich, Conn.*  
 Harry Keith Friedman, *Rutland, Vt.*  
 Ann Marie Gage, *Strong, Me.*  
 David Vincent Galvin, *Reading, Mass.*  
 Jane Elizabeth Gammons, *Wallingford, Conn.*  
 Susan Carol Gearhart, *Rochester, N.Y.*  
 Lucinda Jean Genta, *Carlinville, Ill.*  
 Eric Francis Gestrich, *Waterville, Me.*  
 James Clifton Gibson, *South Paris, Me.*  
 Richard Jeffrey Gleason, *Sharon, Mass.*  
 John Scott Goeller, *Yardville, N.J.*  
 Jennifer Mertens Goff, *Edgartown, Mass.*  
 Henry D. Goldman, *Framingham, Mass.*  
 Peter John Gorniewicz, *Ipswich, Mass.*  
 Curtis Edward Gowdy, Jr., *Wellesley Hills, Mass.*  
 Robert Cook Grasberger, Jr., *Media, Pa.*  
 Patricia Ellen Green, *Chestnut Hill, Mass.*  
 Linda Ann Guité, *Waterville, Me.*  
 Florence Elizabeth Gutowski, *Rutherford, N.J.*  
 Lawrence Mark Habin, *Marblehead, Mass.*  
 Celinda Moncrieff Hadden, *Natick, Mass.*  
 Michael Wayne Hanf, *Ellsworth, Me.*  
 Janet Lee Hansen, *Wilmington, Del.*  
 Roy Tyler Hardin III, *Greensburg, Pa.*  
 Alan Floyd Harding, *Presque Isle, Me.*  
 John Gordon Harrison, *Marblehead, Mass.*  
 Marian Hartman, *East Greenwich, R.I.*  
 Roger Michael Hatch, *East Greenwich, R.I.*  
 Paul Damien Hatton, Jr., *Belmont, Mass.*  
 Sarah Perkins Hawk, *Charleston, S.C.*  
 Guy Hamilton Hayes, *North Brooklin, Me.*  
 Daniel Thomas Heaney, *Saugus, Mass.*  
 Nancy Ellen Heiser, *Ramsey, N.J.*  
 Wayne Francis Hill, *South Portland, Me.*  
 Valerie Celia Hink, *Canaan, Me.*  
 Sylvia LaVerne Hodges, *Norfolk, Va.*  
 Ann Howard Holloway, *Summit, N.J.*  
 Carol R. Houde, *Nashua, N.H.*  
 Craig Alan Houston, *Waterville, Me.*  
 Thomas William Huebner, *Chappaqua, N.Y.*  
 Gary Clayton Hunt, *Auburn, Mass.*  
 Brian Hutchinson, *Roselle Park, N.J.*  
 Thomas Jude Iacono, *Cranston, R.I.*  
 Earle Lewis Ingalls, Jr., *Yarmouth, Me.*  
 David Bruce Isaacson, *Auburn, Me.*  
 Judith Hope Jackson, *Skowhegan, Me.*  
 Carolyn E. Johns, *Stamford, Conn.*  
 Curtis Mark Johnson, *Bronx, N.Y.*  
 Joseph Bernard Johnson, *Norwood, Mass.*  
 Jacqueline M. Jones, *Walpole, Mass.*  
 Joseph Jones, *Norfolk, Va.*  
 Roger Morgan Jones, Jr., *Nassau, Bahamas*  
 Celeste Christie Keefe, *Waterville, Me.*  
 Honor Gay Kelley, *South Dennis, Mass.*  
 Patricia Lynn Kelly, *Arlington, Mass.*  
 Carol Lynn Kennedy, *Ridgewood, N.J.*



- Wendy Laura King, *Millis, Mass.*  
 William Robert Klaus, Jr., *Devon, Pa.*  
 Michelle Anne Kominz, *Bethesda, Md.*  
 Catherine Ann Konefal, *Medford, Mass.*  
 Karen Kusiak, *Nashua, N.H.*  
 Rex Howard Lake, Jr., *Wilton, Me.*  
 Gregory Mark Lanza, *Farmingdale, Me.*  
 Frederick Patrick Lauria, *Enfield, Conn.*  
 Lisbeth Fay Lawson, *Plymouth, Mich.*  
 Dennis Philip Lemieux, *Fairfield, Me.*  
 Michel Ovid Lemoyne, *Longueuil, Quebec*  
 Jeffrey Robert Lentz, *Woburn, Mass.*  
 Charles Phillip LeRoyer III, *West Hartford, Conn.*  
 Brenda Barbara Lincoln, *Newcastle, Me.*  
 Jacquelyn Delvon Lindsey, *Norfolk, Va.*  
 Walter John Loker, *Rockland, Me.*  
 Jeanne Louise Lorey, *Ramsey, N.J.*  
 Peter Allen Luckey, *Middlebury, Conn.*  
 Michael Anthony Lynes, *Ridgefield, Conn.*  
 Thomas John Madden, *Brighton, Mass.*  
 Beth Anne Mailhot, *Sudbury, Mass.*  
 Carol Majdalany, *Stamford, Conn.*  
 Kevin Patrick Manion, *Ridgefield, Conn.*  
 David Denison Marshall, *Duxbury, Mass.*  
 Deborah Fay Marson, *Belmont, Mass.*  
 Linda Allyson Martinek, *Westport, Conn.*  
 Jane Ellen Martinson, *Concord, Mass.*  
 John Hardy Martis, Jr., *Lexington, Mass.*  
 Stephanie Denise Maull, *Lewes, Del.*  
 Kevin Patrick Mayo, *Enfield, Conn.*  
 Andrew Seth Mazer, *Scarsdale, N. Y.*  
 Philip McCahill, *Albany, N. Y.*  
 Sandra McGowan, *Penfield, N. Y.*  
 Ellen Lindsay McGuire, *Portsmouth, R. I.*  
 Laurie Ann McKenzie, *Weston, Mass.*  
 Cornelia Shelley McMonegal, *Nyack, N. Y.*  
 Elizabeth Louise McNally, *Cranford, N. J.*  
 Peter Michael McNicholas, *Watertown, Mass.*  
 Anne Emeline Menard, *Deerfield, N. H.*  
 Ray Frank Merrill, *North Penobscot, Me.*  
 Randi Lois Mershon, *Haverhill, Mass.*  
 Karen Ruth Michener, *Woodbury, Conn.*  
 Barbara Lynn Miller, *New Shrewsbury, N. J.*  
 Ted Douglas Miller, *Greenwich, Conn.*  
 William Amedeo Miniutti, *Biddeford, Me.*  
 Edson Vaughn Mitchell III, *Freeport, Me.*  
 Bradford Arthur Moore, *Hallowell, Me.*  
 Camilla Moore, *Norfolk, Va.*  
 Maralyn Elaine Moore, *Saxtons River, Vt.*  
 John Mark Morgan, *Little Falls, N. J.*  
 Deborah Morrell, *Brunswick, Me.*  
 John Philip Mosley, *Dexter, Me.*  
 Mary-Elizabeth Moynihan, *Quincy, Mass.*  
 William Sewell Muller, *Boonton, N. J.*  
 Jennifer Mustard, *Boston, Mass.*  
 Mary Susan Naegele, *Sudbury, Mass.*  
 Elizabeth Jo Neidich, *Middletown, R. I.*  
 Marguerite Anne Nelson, *Princeton, N. J.*  
 George Leonard Neuberger, Jr., *Reeseville, Wis.*  
 Gayle Ruth Nicoll, *Westwood, Mass.*  
 Richard Case Norwood, Jr., *Melville, N. Y.*  
 Valerie Elizabeth Oakes, *Dixfield, Me.*  
 John Joseph O'Brien, Jr., *Milton, Mass.*  
 Beverly Ellen O'Brient, *Danvers, Mass.*  
 Heather Ogilvie, *New Sharon, Me.*  
 John Anthony Orefice, Jr., *Tuckahoe, N. Y.*  
 Ronald David Ouellette, *Biddeford, Me.*  
 Kathryn Ruth Overhiser, *Tenafly, N. J.*  
 Jonathan Charles Pace, *Southwick, Mass.*  
 Stephen Daggett Palmer, *Old Greenwich, Conn.*  
 Paul Colburn Pape, *Duxbury, Mass.*  
 Eric Gustaf Parker, *Johnson, Vt.*  
 Carol-Anne Peabody, *Framingham, Mass.*  
 David Sumner Peck, *Auburn, Me.*  
 David Keith Peoples, *Glen Mills, Pa.*  
 Richard Charles Perkins, *Wayzata, Minn.*  
 David Michael Pinansky, *Cape Elizabeth, Me.*  
 Elizabeth Spear Piper, *Wellesley, Mass.*  
 Catherine Ann Pomiecko, *Claremont, N. H.*  
 David Bruce Porteus, *East Hampton, Conn.*  
 Barbara Jean Potsaid, *Hanover, Mass.*  
 Lawrence Townley Potter, *Scotch Plains, N. J.*  
 Allan Louis Rancourt, *Waterville, Me.*  
 Helen Elaine Rand, *Groveland, Mass.*  
 Jay Norman Joseph Reed, *White River Junction, Vt.*  
 Prudence Elizabeth Reed, *Woolwich, Me.*  
 Terence Joseph Reilly, *East Lyme, Conn.*  
 Debra Jean Rice, *Westfield, N. J.*  
 Elizabeth Murray Richards, *Winchester, Mass.*  
 Christine Marie Robert, *Biddeford, Me.*  
 Bruce Tyler Robinson, *North Chelmsford, Mass.*  
 Bruce William Rogers, *Bath, Me.*  
 Lawrence Harrison Rogers III, *Cincinnati, Ohio*  
 Gale Virginia Rooney, *Darien, Conn.*  
 Sarah Ruth Rosenberg, *Bellevue, Wash.*  
 Margaret Ellen Rowell, *Waterville, Me.*

Mary Katherine Ruoff, *Westboro, Mass.*  
 Karen Eleanor Santic, *Cresskill, N.J.*  
 Ellen Gail Schiffman, *Long Island City, N. Y.*  
 James Harrison Schmidt, *Binghamton, N. Y.*  
 O. Douglas Schwarz, *Scarsdale, N. Y.*  
 Katherine Anne Seabrook, *Lynnfield, Mass.*  
 Deborah Ann Seel, *Barre, Vt.*  
 Russell Alan Sehnert, *Summit, N.J.*  
 William A. Senior, *Niantic, Conn.*  
 Daniel Barry Sexton, *Augusta, Me.*  
 Scott Jon Shagin, *Oakland, N.J.*  
 Leon David Shapiro, *Newburyport, Mass.*  
 Moira Shea, *Gardner, Mass.*  
 James William Shearard, Jr., *Cherry Hill, N.J.*  
 Diana Mary Shearwood, *Montreal, Quebec*  
 David Brian Shelton, *Mystic, Conn.*  
 Jeffrey Kirk Sherwood, *Banco, Va.*  
 Renee Claire Sichel, *Sherman, Conn.*  
 David Bruce Siegel, *North Dartmouth, Mass.*  
 Oglá Silva, *Brooklyn, N. Y.*  
 Paul D. Silvia, *Attleboro, Mass.*  
 Pamela Jo Simpkins, *Potsdam, N. Y.*  
 Candace Lynn Skelly, *Wilton, Conn.*  
 John Alan Sklepowicz, *Meriden, Conn.*  
 Bradley Francis Smith, *Ware, Mass.*  
 Joyce Mae Smith, *Chelmsford, Mass.*  
 Scott Sumner Smith, *Darien, Conn.*  
 Edward Adams Snyder, *Norwood, Mass.*  
 Robert Coleman Spurdle, *Wayne, Pa.*  
 Susan Helen Staples, *Haverhill, Mass.*  
 Catherine Wood Stivers, *Camden, Me.*  
 Susan Williams Story, *Dover, N.H.*  
 Michael Dennis Sullivan, *Melrose, Mass.*  
 Kathleen Thomas Swanson, *Tenafly, N.J.*  
 Steven Kirkland Tait, *Grosse Point, Mich.*  
 Cynthia Ann Tarr, *Pomfret Center, Conn.*  
 James D. Tonge, *Waterville, Me.*  
 Elizabeth Gould Toops, *Lynchburg, Va.*  
 Ruth Kathleen Tracey, *Lake Worth, Fla.*  
 George Phaneuf Tremblay, *Nashua, N.H.*  
 David Dickson Turnbull, *St. Louis, Mo.*  
 Lisa Turtz, *Scarsdale, N. Y.*  
 William Wales Tuttle, *Acton, Mass.*  
 Stephen Brooks Uber, *North Kingstown, R.I.*  
 Robin Lee Urner, *Mountainside, N.J.*  
 Lisa Marie Van Vooren, *Southbridge, Mass.*  
 Deborah Ruth Vose, *Wells, Me.*  
 Edwin David Walczak, *Norwich, Conn.*

Robert Martin Walsh III, *Manchester, N.H.*  
 William Warren Walthall III, *Westfield, Mass.*  
 Andrea Ward, *Worcester, Mass.*  
 John Alexander Warden, Jr., *Hamilton, Mass.*  
 George Roland Watts III, *Waterville, Me.*  
 Linda Chadwick Watts, *Natick, Mass.*  
 Nanon Adair Weidmann, *Belleville, Ill.*  
 William White Whidden, *Westport, Conn.*  
 David Alan White, *Hopkinton, Mass.*  
 Laurie Annbridget White, *Topsfield, Mass.*  
 Richard David Whitecar, *Pennsauken, N.J.*  
 Mary Macauley Whiting, *Midland, Mich.*  
 Michael Ross Wills, *Milton, Mass.*  
 Douglas Crawford Windsor, *Short Hills, N.J.*  
 Deborah E. Wittenauer, *Bedford, Mass.*  
 Michael J. Wolk, *Brookline, Mass.*  
 Karin Litterer Womer, *Amherst, Mass.*  
 Martin Colton Womer, *Darien, Conn.*  
 Robert Patrick Wood, *Newport, R.I.*  
 Ronald Alan Yeo, *Concord, Mass.*  
 Bruce Arthur Young, *Peabody, Mass.*  
 Kevin Charles Zorski, *Locust Valley, N. Y.*

*As of the Class of 1974*

Stephen Thompson Bolmer, Jr., *Lakeville, Conn.*  
 Elizabeth Richard Christensen, *Racine, Wis.*  
 Harvard Wells Jones, Jr., *Washington, D.C.*  
 Dorothy Anne Ufford, *Sarasota, Fla.*

*As of the Class of 1973*

Patricia Chase Baldwin, *Bethlehem, Pa.*  
 Deborah Bittenbender Collins, *South Portland, Me.*

*As of the Class of 1971*

Andrea Thompson Leeson, *Kingston, Nova Scotia*

*As of the Class of 1954*

Janet Fraser Mitchell, *Waterville, Me.*

*Degrees Granted in October as of the Class of 1974*

Priscilla Holt Ballou, *New York, N. Y.*  
 Robert Edward Diamond, Jr., *Groton, Mass.*  
 William Lyman Hamilton, *Montclair, N.J.*  
 Wilbur Russell Harris, Jr., *Unity, Me.*  
 Charles Frederick Hickox III, *Vail, Colo.*  
 Michael Francis Mather, *Brockton, Mass.*

MASTER OF SCIENCE IN TEACHING

John Maurice Bluhm, *Scottsdale, Pa.*  
 Ronald Vernon Chasse, *Cromwell, Conn.*

John Pulsifer Dana, *Pittsfield, Me.*  
 Donald Frank Hyatt, *Amherstburg, Ontario*  
 Jonathan Wade McLaughlin, *Marshfield, Mass.*  
 Diane Mary Menzies, *Framingham, Mass.*  
 Robert Spencer Nelson, *Lysekil, Sweden*  
 Frederick James Tresselt, *Buffalo, N. Y.*  
 Durward Ross Trolinger, *Glide, Oreg.*

## HONORARY DEGREE RECIPIENTS

Charles Arthur Anderson  
*Doctor of Humane Letters*

Frank Morey Coffin  
*Doctor of Laws*

Bette Davis  
*Doctor of Fine Arts*

Jacob Lawrence  
*Doctor of Fine Arts*

Louise Nevelson  
*Doctor of Fine Arts*

Severo Ochoa  
*Doctor of Science*

Wilson Collins Piper  
*Doctor of Laws*

Benjamin Arthur Quarles  
*Doctor of Letters*

Myron Bennett Thompson  
*Doctor of Laws*

## Honors

## BACHELOR'S DEGREE WITH HONORS

*Summa Cum Laude*

Claudia Margaret Bassis  
 Barby Lynn Beran  
 J. Whitney Bowen II  
 Carolyn Theresa Deuringer  
 Robert Walter Evans, Jr.  
 Deborah Joyce Field  
 Marian Hartman  
 Craig Alan Houston  
 Celeste Christie Keefe  
 Sandra McGowan  
 David Sumner Peck  
 Prudence Elizabeth Reed  
 Deborah Ann Seel  
 Robin Lee Urner  
 Laurie Annbridget White

*Magna Cum Laude*

Mary Josephine Bastron  
 Carolyn Lee Breedon  
 Barbara Bentz Carroll  
 John Arthur Conant  
 Scott Francis Feltman  
 Harry Keith Friedman

Susan Carol Gearhart  
 Richard Jeffrey Gleason  
 Robert Cook Grasberger, Jr.  
 Guy Hamilton Hayes  
 Valerie Celia Hink  
 Michelle Anne Kominz  
 Walter John Loker  
 Jeanne Louise Lorey  
 Ray Frank Merrill  
 Karen Ruth Michener  
 Barbara Lynn Miller  
 William Sewell Muller  
 Jennifer Mustard  
 Beverly Ellen O'Brien  
 Barbara Jean Potsaid  
 Scott Jon Shagin  
 Bradley Francis Smith  
 Edward Adams Snyder  
 Kathleen Thomas Swanson  
 Lisa Turtz  
 Edwin David Walczak  
 George Roland Watts III  
 David Alan White  
 Robert Patrick Wood

*Cum Laude*

Deborah Radcliffe Baker  
 Deidre Lynne Ballentine  
 Christine Mary Beale  
 Janet Lynn Bedula  
 N. Michael Belt, Jr.  
 Margaret Lynn Lewis Bruce  
 Douglas P. Carter  
 Daniel Harry Cohen  
 Kevin Scott Cooman  
 Paul Anthony Cote  
 Jean Alice Crowley  
 Edmund Peter Decker  
 Robin Dekker  
 Christopher N. Duncan  
 Mark A. Farrington  
 Elizabeth Adele Fay  
 Kathleen Ann Fisher  
 Carol Rolfe Foss  
 Eric Francis Gestrich  
 Linda Ann Guité  
 Janet Lee Hansen  
 Michael Wayne Hanf  
 Roy Tyler Hardin III  
 Alan Floyd Harding  
 John Gordon Harrison  
 Paul Damien Hatton, Jr.  
 Nancy Ellen Heiser  
 Carol R. Houde  
 Thomas William Huebner  
 Jacqueline M. Jones  
 Frederick Patrick Lauria  
 Lisbeth Fay Lawson  
 Brenda Barbara Lincoln  
 Carol Majdalany  
 Deborah Fay Marson  
 Linda Allyson Martinek  
 Jane Ellen Martinson  
 Peter Michael McNicholas  
 Maralyn Elaine Moore  
 Mary-Elizabeth Moynihan  
 George Leonard Neuberger, Jr.  
 Gayle Ruth Nicoll  
 Kathryn Ruth Overhiser  
 David Keith Peoples  
 David Michael Pinansky  
 Lawrence Townley Potter  
 Lawrence Harrison Rogers III

Ellen Gail Schiffman  
 Moira Shea  
 Scott Sumner Smith  
 Susan Helen Staples  
 Catherine Wood Stivers  
 Lisa Marie Van Vooren  
 William Warren Walthall III  
 John Alexander Warden, Jr.  
 Martin Colton Womer

## HONORS IN ECONOMICS

Robert Walter Evans, Jr.

## DISTINCTION IN THE MAJOR

*Administrative Science*

Scott George Carey  
 Robert Walter Evans, Jr.  
 Henry D. Goldman  
 Patricia Lynn Kelly  
 Ray Frank Merrill  
 Edson Vaughn Mitchell III  
 Richard Charles Perkins  
 Richard David Whitecar

*American Studies*

Barbara Bentz Carroll  
 Kevin Scott Cooman  
 Jean Alice Crowley  
 Mary-Elizabeth Moynihan  
 David Keith Peoples  
 Prudence Elizabeth Reed

*Art*

Janet Lee Hansen  
 Elizabeth Jo Neidich  
 Lisa Turtz  
 Laurie Annbridget White

*Biology*

Carolyn Louise Estes  
 Carol Rolfe Foss  
 David Vincent Galvin  
 Valerie Celia Hink  
 Carolyn E. Johns  
 Michael Anthony Lynes  
 Ted Douglas Miller  
 Deborah Ann Seel  
 Moira Shea  
 Robert Patrick Wood

*Chemistry*

Susan Carol Gearhart  
 Robert Cook Grasberger, Jr.  
 Paul Damien Hatton, Jr.  
 Craig Alan Houston  
 Walter John Loker  
 Jeanne Louise Lorey  
 Martin Colton Womer

*Classics*

J. Whitney Bowen II  
 Marian Hartman

*East Asian Studies*

Carol Lee Campbell

*Economics*

Robert Walter Evans, Jr.  
 Michael Wayne Hanf  
 Peter Michael McNicholas  
 Edson Vaughn Mitchell III  
 Richard Charles Perkins  
 Lawrence Townley Potter  
 Edward Adams Snyder

*Economics-Mathematics*

David Denison Marshall

*English*

Claudia Margaret Bassis  
 Vincent Michael Cassone  
 Robin Dekker  
 Christopher N. Duncan  
 Mark A. Farrington  
 Scott Francis Feltman  
 Nancy Ellen Heiser  
 Jacqueline M. Jones  
 Brenda Barbara Lincoln  
 Sandra McGowan  
 Cornelia Shelley McMonegal  
 Karen Ruth Michener  
 Maralyn Elaine Moore  
 Terence Joseph Reilly  
 Russell Alan Sehnert  
 William A. Senior  
 Jeffrey Kirk Sherwood  
 Kathleen Thomas Swanson  
 Deborah Ruth Vose

*Environmental Studies*

Carol Majdalany  
 Daniel Barry Sexton

*Geology*

N. Michael Belt, Jr.  
 Nancy Anne Curtis

*Geology-Biology*

Richard Jeffrey Gleason  
 Ray Frank Merrill

*German*

Carolyn Lee Breeden  
 Deborah Joyce Field  
 Jennifer Mustard  
 Kathryn Ruth Overhiser

*Government*

Mary Josephine Bastron  
 Kevin Scott Cooman  
 Jeffrey A. H. Frankel  
 Jane Elizabeth Gammons  
 Alan Floyd Harding  
 Thomas William Huebner  
 Rex Howard Lake, Jr.  
 Deborah Fay Marson  
 George Leonard Neuberger, Jr.  
 Gale Virginia Rooney  
 Edward Adams Snyder  
 Edwin David Walczak  
 David Alan White

*History*

Margaret Lynn Lewis Bruce  
 Nancy McDonough Canavan  
 Douglas P. Carter  
 Norma Leigh Cromwell  
 Howard Jay Erlichman  
 Harry Keith Friedman  
 Lisbeth Fay Lawson  
 Philip McCahill  
 Scott Jon Shagin  
 Bradley Francis Smith  
 John Alexander Warden, Jr.

*Mathematics*

Carolyn Theresa Deuringer  
 Michelle Anne Kominz  
 Robin Lee Urner  
 George Roland Watts III  
 Linda Chadwick Watts

*Music*

Maralyn Elaine Moore  
 Kathryn Ruth Overhiser

David Michael Pinansky  
Karen Eleanor Santic

*Philosophy*

Daniel Harry Cohen  
Brian Hutchinson  
David Sumner Peck  
Catherine Wood Stivers  
Kevin Charles Zorski

*Philosophy-Mathematics*

Daniel Harry Cohen

*Philosophy-Religion*

O. Douglas Schwarz

*Physics*

John Arthur Conant  
Barry Scott Davies  
Guy Hamilton Hayes

*Psychology*

Barby Lynn Beran  
Kathleen Ann Fisher  
Eric Francis Gestrich  
Roy Tyler Hardin III  
John Gordon Harrison  
Carol R. Houde  
William Sewell Muller

*Religion*

Carol Lynn Kennedy  
Beverly Ellen O'Brient  
Ellen Gail Schiffman

*Sociology*

Marguerite Anne Nelson

*Spanish*

Mary Josephine Bastron  
Celeste Christie Keefe

PHI BETA KAPPA

*Elected in Junior Year*

J. Whitney Bowen II  
Carolyn Theresa Deuringer  
Susan Carol Gearhart  
Craig Alan Houston  
Celeste Christie Keefe  
David Sumner Peck  
Prudence Elizabeth Reed  
Robin Lee Urner  
George Roland Watts III

David Alan White

*Elected in Senior Year*

Claudia Margaret Bassis  
Mary Josephine Bastron  
Barby Lynn Beran  
Carolyn Lee Breeden  
Barbara Bentz Carroll  
John Arthur Conant  
Robert Walter Evans, Jr.  
Mark A. Farrington  
Deborah Joyce Field  
Carol Rolfe Foss  
Harry Keith Friedman  
Eric Francis Gestrich  
Richard Jeffrey Gleason  
Robert Cook Grasberger, Jr.  
Roy Tyler Hardin III  
Marian Hartman  
Michelle Anne Kominz  
Walter John Loker  
Jeanne Louise Lorey  
Carol Majdalany  
Sandra McGowan  
Ray Frank Merrill  
Barbara Lynn Miller  
Maralyn Elaine Moore  
Jennifer Mustard  
Kathryn Ruth Overhiser  
Deborah Ann Seel  
Bradley Francis Smith  
Kathleen Thomas Swanson  
Lisa Turtz  
Edwin David Walczak  
Laurie Annbridget White  
Robert Patrick Wood

SENIOR SCHOLARS

Carol R. Houde

*The Development of Sex Role Perception in Children*

Thomas Jude Iacono

*Choral and Orchestral Conducting Techniques*

Curtis Mark Johnson

*An Historical Analysis of the Development of Black Theology in American Religion*

William Sewell Muller

*Commitment of the Mentally Ill in Maine: A History of Public Policy*

Richard Charles Perkins

*A Condensed Econometric Model of the United States Product Market*

Terence Joseph Reilly

*A Novel: Siamo Contenti . . . ?*

Deborah Ann Seel

*Population Dynamics and Behavior of Snowshoe Hares (Lepus americanus) in Central Maine*

Russell Alan Sehnert

*The Clock Tower and Other Poems*

Scott Jon Shagin

*Astronomy in Twelfth and Thirteenth Century Western Christendom*

Nanon Adair Weidmann

*Sculpture*

Laurie Annbridget White

*Painting*

JULIUS SEELYE BIXLER SCHOLARS

*Class of 1975*

Sandra Lou McGowan

Barbara Lynn Miller

Sharon Marden Rapp

Prudence Elizabeth Reed

Laurie Annbridget White

*Class of 1976*

Thomas Edward Angers

Diane Susan Szymkowicz

*Class of 1977*

Sally Ruth Byrd

Victoria Marie Johnson

Andrea Susan Katz

Susan Alice Simpson

Esther Mae Smith

Julia Elizabeth Stewart

CHARLES A. DANA SCHOLARS

*Class of 1975*

Mary Jo Bastron

J. Whitney Bowen II

Robin Dekker

Carolyn Theresa Deuringer

Craig Alan Houston

Celeste Christie Keefe

Jennifer Mustard

Deborah Ann Seel

Scott Jon Shagin

Robin Lee Urner

*Class of 1976*

Robert Alan Bell

Toby Elaine Bobbitt

Scott Dale Butchart

Ambrose Lin-Yau Cheung

Karen Ruth Finn

Christine Foster

Enid Helene Gardner

Carrie Louise Getty

Avery Ransome Gunderson

Stephen Benson Rogers

*Class of 1977*

Kimberlee Ayer

Timothy Joseph Clark

Elizabeth Helen Damon

Kevin Michael Farnham

Douglas Beck Francisco

Thomas Weston Hearne III

Sarah Hinckley

Robin Sue Kessler

Stephen Kurt Olson

Julio Gerado Sanchez

Richard Kendall Sprenger

# College Prizes 1974-75

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, and superior mental competence.

STEPHEN EMERY CUMMINGS '77, DONALD ARTHUR ERICKSON '77, MARGARET ANNE FELTON '77, PETER LEONARD GARRAMBONE, JR. '77, THOMAS WESTON HEARNE III '77, JOHN JOSEPH HOTCHKISS, JR. '78, HERBERT MAGID '77, LINA JOYCELINE PETTENGILL '77, MONA MARIE PINETTE '77, BRUCE EDWARD THOMSON '77, STEVEN WILLIAM ZUCHERO '77.

*Bixler Bowl Award.* Awarded to that fraternity which has as a group contributed most constructively to the overall work of the college program.

Not awarded.

*Bixler Scholarships.* Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

*Frederick F. Brewster Honor Scholarships.*

KEVIN MICHAEL DAVEY '79, ALICE MOORE JELLEMA '78, LEE CHARLES ROBERTS '78.

*Colby Library Associates Book Prize.*

Not awarded.

*Condon Medal.* Gift of the late Randall J. Condon '86, awarded to the senior who, by vote of his classmates and approval by the faculty, is deemed "to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life."

JOHN ANTHONY OREFICE, JR. '75.

*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 Scholarship.* Awarded to a woman for outstanding religious leadership.

JANICE ANN BARBER '76.

*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.”

JENNIFER CAROL BARBER '78, PAUL EUGENE HARVEY, JR. '78.

*Phyllis S. Fraser Scholarship.* Presented by Alpha chapter of Sigma Kappa to a Colby son or daughter.

Not awarded.

*Josephine Bodurtha Gagnon Scholarship.* Awarded annually by the Alpha Delta chapter of Alpha Delta Pi sorority on the basis of financial need, scholarship, and campus leadership.

JANE VIRGINIA SOUZA '76.

*Lieutenant John Parker Holden, II, Award.* For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

JAMES MICHAEL HAYES '76.

*Donald P. Lake Award.* Given to a senior whom the Varsity “C” Club selects for outstanding scholastic achievement, athletic leadership, and ability.

PAUL DAMIEN HATTON, JR. '75.

*Kim Miller Scholarship and Trophy.* 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.

JAMES LOUIS THERIAULT '76.

*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.

MARTHA ANN NIST '76.

*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.

ALPHA TAU OMEGA, Perley James Clarke '76, president.

*Jacqueline Nunez Award.* Given to a woman student with outstanding qualities.

GLORIA ROSHA PAYNE '75.

*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.

SUSAN MARION GIROUX '76.

*Ninetta M. Runnals Scholarship.* Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.

ROBIN DEKKER '75.

*Scott Paper Foundation Award for Leadership.* Awarded to a sophomore who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.

THOMAS FORREST WHITTIER '77.

*Student Association Service Awards.* Presented to a senior man, a senior woman, and a college employee for service to the college.

DANIEL SAUNDERS ALEXANDER '75, MARY SUE NAEGELE '75, BRUCE DEVEREUX CUMMINGS '73, director of student activities.

*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."

RICHARD JOHN OPAROWSKI '76.

*Carrie M. True Award.* Given to a woman selected for pronounced religious leadership and influence on the life of the college. Not awarded.

*Waterville Area Colby Alumni Association Award.* Presented for scholastic and personal achievement to a senior from the Waterville area.

CRAIG ALAN HOUSTON '75.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

BRADLEY SCOTT BELANGER '76, LAURE DENISE DUCLOS '76, EDWARD BUCK LIPES '76, JANET OKEN '76, DIANE SUSAN SZYMKOWICZ '76.

*Ernest L. Parsons Prizes.*

ROBERT WALTER EVANS, JR. '75, PETER JOHN GORNIEWICZ '75, RAY FRANK MERRILL '75, EDSON VAUGHN MITCHELL III '75, RICHARD CHARLES PERKINS '75.

*Prentice-Hall Accounting Award.*

BARBARA LYNN MILLER '75.

*Wall Street Journal Award in Finance.*

EDWARD BUCK LIPES '76.

ART AND ARCHITECTURE *Maine Chapter of the American Institute of Architects Prizes.*

Not awarded.

*Charles Hovey Pepper Prizes.*

CHRISTOPHER NORMAN DUNCAN '75, LISA TURTZ '75, LAURIE ANN-BRIDGET WHITE '75.

CLASSICS *John B. Foster Prize.*  
 MARIAN HARTMAN '75.

DRAMATICS *Andrew Blodgett Award.*  
 JOHN ANTHONY OREFICE, JR. '75.

ECONOMICS *Departmental Prizes in Economics.*  
 ROBERT WALTER EVANS, JR. '75, EDWARD ADAMS SNYDER '75.

ENGLISH *Mary Low Carver Prizes for Poetry.*  
 Women: *1st Prize:* JENNIFER CAROL BARBER '78.  
*2nd Prize:* ROBIN DEKKER '75.  
 Men: *1st Prize:* LLOYD PETER WISE '77.  
*2nd Prize:* RUSSELL ALAN SEHNERT '75.

*Solomon Gallert Short Story Prizes.*  
*1st Prize:* DAWN MARIE FARNHAM '75.  
*2nd Prize:* DAVID BRADLEY RAYMOND '77.

*Elmira Nelson Jones Essay Prize.*  
 DAVID BEECHER BOGAN '77.

HISTORY AND GOVERNMENT *F. Harold Dubord Prize in Political Science.*  
 DAVID ALAN WHITE '75.

*Paul A. Fullam History Prizes.*  
 LISBETH FAY LAWSON '75, SCOTT JON SHAGIN '75.

*Edward Lampert History Prize.*  
 HARRY KEITH FRIEDMAN '75.

*William J. Wilkinson History Prize.*  
 JAMES LOUIS THERIAULT '76.

*Susan Lee Yovic Award.* Presented to the student who has achieved the highest degree of competence in the field of international law.  
 AMY RUTH GOLDSTEIN '77.

MODERN LANGUAGES *Delta Phi Alpha German Prizes.*  
 Not awarded.

*French Book Prizes.*  
 JENNIFER CAROL BARBER '78, MICHAEL PAUL CANTARA '75, VICTORIA MARIE JOHNSON '77.

*German Consulate Book Prizes.*  
 DEIDRE LYNNE BALLENTINE '75, ANN MARGARET MCCREARY '78, JENNIFER MUSTARD '75, KATHRYN RUTH OVERHISER '75, SARAH APPLETON POLLARD '78, MARY ELIZABETH SHUMAKER '77.

*Japanese Book Prizes.*  
 ANITA BOOMER '78, NANCY JANE SEEDS '78.

*Harrington Putnam Prizes for Excellence in German.*

KIMBERLEE AYER '77, KAREN JUDITH GILLUM '76, ROBERT BRUCE GREGORY, JR. '76, SUSAN ELIZABETH VAN HORN '77.

*Russian Book Prize.*

AVERY RANSOME GUNDERSEN '76.

*Spanish Book Prizes.*

DAVID ABRAHAMSON '78, SUSAN HALLETT ARESON '78.

MUSIC *Colby College Band Award.*

JOHN FRANCIS COPPINGER, JR. '75.

*Ermanno Comparetti Music Prize.*

KEVIN SCOTT COOMAN '75.

*Glee Club Awards.*

DAVID MICHAEL PINANSKY '75, JOYCE MAE SMITH '75.

*Alma Morrissette Award.*

THOMAS JUDE IACONO '75.

*Symphony Orchestra Award.*

KEVIN SCOTT COOMAN '75.

NATURAL SCIENCES *ACS Undergraduate Award in Analytic Chemistry.*

WALTER JOHN LOKER '75.

*American Institute of Chemists Award.*

WALTER JOHN LOKER '75.

*The Webster Chester Biology Prize.*

CAROL ROLFE FOSS '75.

*Chi Epsilon Mu Prize in Chemistry.*

PAUL ROSE '78.

*Alan Samuel Coit Biology Prizes.*

DAVID VINCENT GALVIN '75, MICHAEL ANTHONY LYNES '75.

*Departmental Prizes in Science.*

*Biology:* None awarded.

*Chemistry:* AMBROSE LIN-YAU CHEUNG '76, ROBERT COOK GRASBERGER, JR. '75, DAVID TAI-YUI LAU '77.

*Geology:* LINDA GARRARD '77, RICHARD JEFFREY GLEASON '75, MARK ROBERT HELMUS '76.

*Mathematics:* CAROLYN THERESA DEURINGER '75, MICHAEL ASHBOUGH HALSEY '76, DIANE SUSAN SZYMKOWICZ '76, ROBIN LEE URNER '75, GEORGE ROLAND WATTS '75.

*Physics:* None awarded.

*Samuel R. Feldman Award for Premedical Studies.*

MOIRA SHEA '75.

*Mark Lederman Prize for Study of Medicine.*

CRAIG ALAN HOUSTON '75.

*Mark Lederman Scholarships in Biology.*

LESLIE ANNE LEONARD '77, WILLARD CLARK PARRISH '76.

*William A. Rogers Prize in Physics.*

VIRGINIA AMANDA JASCHKE '76.

PHILOSOPHY *John Alden Clark Essay Prize in Philosophy and Religion.*

DANIEL HARRY COHEN '75.

*Stephen Coburn Pepper Prize in Philosophy.*

DAVID SUMNER PECK '75.

PSYCHOLOGY *Departmental Prizes in Psychology.*

BARBY LYNN BERAN '75, KATHLEEN ANN FISHER '75, ERIC FRANCIS GESTRICH '75, JOHN GORDON HARRISON '75, CAROL RITA HOUDE '75, WILLIAM SEWELL MULLER '75.

PUBLIC SPEAKING *Coburn Speaking Prizes.*

Not held in 1974-75.

*Goodwin Public Speaking Prizes.*

Not held in 1974-75.

*Hamlin Speaking Prizes.*

Not held in 1974-75.

*Julius and Rachel Levine Speaking Prizes.*

1st Prize: ALEXANDRA MACLAY JACKSON '78.

2nd Prize: PAUL J. N. ROY '77.

3rd Prize: QUASER MAHMOOD KAHN '77.

*Herbert Carlyle Libby Prize.*

Not held in 1974-75.

*Murray Debating Prizes.*

Not held in 1974-75.

SOCIOLOGY *Albion Woodbury Small Prizes.*PETER FRANCIS ADELSBERGER '75, MARTHA McDOWELL BELL '76,  
KAREN LAURA CHADBOURNE '75.ATHLETICS *J. Seelye Bixler Award in Track.*

RONALD SCOTT PARET '77.

*James Brudno Award in Track.*

JAMES NEUBOLD COOPER '77.

*Coaches' Awards.**Baseball:* None awarded.*Basketball:* WILLIAM WARREN WALTHALL III '75.

*Football:* PETER JOHN GORNIEWICZ '75, HENRY DAVID NEWMAN III '77.

*Lacrosse:* JONATHAN PUTNAM DAVIS '76, PETER VAN ARSDALE SHAW '76, DOUGLAS CRAWFORD WINDSOR '75.

*David W. Dobson Memorial Skiing Award.*

EDWARD BUCK LIPES '76.

*Peter Doran Award in Track.*

JOSEPH EDWARD CASEY '75.

*Paul F. "Ginger" Fraser Award for a Nonletterman in Football.*

SCOTT PERLEY HAMILTON '78.

*Free Throw Award in Basketball.*

GENE BARTHOLOMEW DELORENZO '75.

*Robert LaFleur Memorial Basketball Award.*

BRADFORD ARTHUR MOORE '75.

*Gilbert F. "Mike" Loeb's Soccer Awards.*

PAUL COBURN PAPE '75, JEFFREY CROCKER SANDERSON '77.

*Ellsworth W. Millett Awards for Outstanding Contribution to Athletics over Four Years.*

PETER JOHN GORNIEWICZ '75, BRADFORD ARTHUR MOORE '75.

*Ellsworth W. Millett Hockey Award.*

FRANCIS JOHN EVANS '75.

*Cy Perkins Track Award.*

RICHARD HENRY HEALEY '77.

*Edward C. Roundy Memorial Baseball Award.*

JAMES MICHAEL HAYES '76.

*Mike Ryan Track Award.*

EDMUND PETER DECKER '75.

*Theodore N. Shiro Basketball Award.*

ROBERT ARTHUR ANDERSON '76.

*Herbert E. Wadsworth Football Award.*

PETER JOHN GORNIEWICZ '75.

*Robert "Tink" Wagner Baseball Award.*

ROBERT JOSEPH KEEFE, JR. '77.

*Norman E. Walker Hockey Award.*

CHARLES MICHEL HARPER, JR. '76.

*Norman R. White Leadership and Sportsmanship Awards.*

GENE BARTHOLOMEW DELORENZO '75, KEVIN PATRICK MAYO '75.

*Matthew Zweig Award.*

Not awarded.

# Interviewers for Admission 1975-76

## ALASKA

### *Anchorage 99501*

Mr. Edward S. Cronick '75  
1047 L. Street

## ARIZONA

### *Tempe 85283*

Dr. Randall L. Holden, Jr. '65  
Mrs. Randall L. Holden, Jr.  
(Pamela Harris '66)  
1121 East Watson Drive

## CALIFORNIA

### *Eureka 95501*

Mrs. Sara S. Johnson  
(Sara M. Stewart '58)  
2140 "S" Street

### *Fountain Valley 92708*

Mr. Lloyd I. Cohen '59  
18524 Cottonwood

### *Fremont 94536*

Mrs. S. Baines Howard  
(Sally L. Baines '53)  
4882 Richmond Avenue

### *Lafayette 94549*

Mr. John W. E. Vollmer '60  
Mrs. John W. E. Vollmer  
(Janice Turner '62)  
1623 Silver Dell

### *Los Altos 94022*

Mrs. Lawrence W. Carr  
(Janice Rideout '60)  
24285 Summerhill

### *Monterey 93940*

Ms. Christi Pope '74  
271 Belden, Apt. 7

### *North Hollywood 91602*

Mrs. Kevin F. Burke  
(Barbara Monahan '67)  
10629 Valley Spring Lane

### *San Francisco 94131*

Mrs. Kenneth Lane  
(Roberta L. Murrell '70)  
905 Burnett Avenue, #2

### *Santa Maria 93454*

The Rev. Robert Peale '51  
500 South Concepcion

### *Yorba Linda 92686*

Mrs. Clifford Henrickson  
(Bonnie Zimmermann '66)  
6491 Fairlynne Boulevard

## COLORADO

### *Arvada 80004*

Mr. Ceylon L. Barclay '63  
6484 Wright Street

### *Denver*

Mrs. George Clymer  
(Janet Kimball '57)  
508 High Street 80218

### *Miss Martha DeCou '66*

2666 South Hooker Street 80219

### *Ms. Faye K. Kurnick '69*

1744 Jasmine Street 80220

### *Golden 80401*

Mr. Lawrence R. Pugh '50  
6 Dekker Drive

### *Littleton 80122*

Mr. Nathaniel Butler '63  
Mrs. Nathaniel Butler  
(Karen Moore '63)  
6838 South Elizabeth Street

## CONNECTICUT

### *East Hartford 06108*

Mr. Theodore Gawlick '72  
Mrs. Theodore Gawlick  
(Susan L. Colantuono '72)  
61 Wells Avenue

### *Farmington*

Mrs. Gerard Haviland  
(Regina Foley '61)  
(Mail: 23 Red Coat Lane  
Unionville, Connecticut 06085)

### *Lakeville 06039*

Mr. Arthur White '52  
Hotchkiss School

### *Middletown 06457*

Ms. Susan F. Frazer '59  
6 Bellevue Place

### *Monroe 06468*

Mr. Karl E. Decker '54  
Mrs. Karl E. Decker  
(Merrilyn Healy '54)  
R.F.D. #5, Elm Street

### *New Canaan 06840*

Mr. Robert E. Nielson '59  
28 Park Place

### *Southbury 06488*

Mrs. James C. Hummel  
(Jean Smith '59)  
White Oak

### *Stamford 06902*

Mr. Jay H. Sandak '68  
Greycliff Wallachs Drive

### *Wallingford 06492*

Mr. Peter Rinaldi '73  
79 Hope Hill Road

### *West Hartford 06107*

Mr. Larry Bigelow '72  
Mrs. Larry Bigelow  
(Janet Perethian '73)  
67 Bentwood Road

Mr. Norman P. Lee '58  
6 Paxton Road

Mr. Robert Roth '51

Mrs. Robert Roth  
(Helen Palen '51)  
96 Van Buren Avenue

### *West Redding 06896*

Mr. George M. Cain '66  
R.F.D. #1

### *Willimantic 06226*

Mr. Thomas Callaghan '23  
201 Lewiston Avenue  
(From April 15 to November 15)

### *Windsor 06095*

Mr. Thomas Cleaves '72  
Mrs. Thomas Cleaves  
(Rosemary Lung Mei Shu '69)  
85 Farmstead Lane

**DELAWARE**

*Wilmington 19810*  
 Dr. Paul M. Ross '65  
 202 East Court  
 Beacon Hill, North  
 Naamans Road

**DISTRICT OF COLUMBIA**

*Washington*  
 Mr. Reginald Blaxton '74  
 313 19th Street, N.E. 20002  
 Mr. John L. Martin '63  
 1108 East Capital, N.E. 20002  
 Mr. Robert D. Walsh III '75  
 Asst. to Hon. Norm D'Amours  
 1330 Longworth House Office  
 Building 20515

**FLORIDA**

*Boca Raton 33432*  
 Mr. William D. Hood '61  
 P.O. Box 974  
*Delray Beach 33444*  
 Mr. Thomas Callaghan '23  
 5505 North Ocean Boulevard  
 (From November 15 to April 15)  
*Jacksonville*  
 Dr. Carl E. Reed '35  
 7400 San Jose Boulevard 32217  
 Lt. Jeremy T. Schneider '68  
 4949 Perrine Drive 32210

**GEORGIA**

*Clarkston 30021*  
 Miss Betty Ciaffone '69  
 3819 K Brockett Trail

**ILLINOIS**

*Chatham 62629*  
 Dr. James P. Dolian '63  
 Mrs. James P. Dolian  
 (Joan Richards '65)  
 14 Quail Run Drive  
 Ivy Glen Estates  
*Darien 60559*  
 Mrs. Eugene Ryzewicz

(Carolyn R. Welch '68)  
 6722 Tennessee  
*Glen Ellyn 60137*  
 Mr. Robert G. Hartman '60  
 23w224 Cambridge Court  
*Wilmette 60091*  
 Miss Janice L. Johnson '73  
 744 Illinois Road

**INDIANA**

*Bloomington 47401*  
 Ms. Jean Beckman '73  
 800 North Grant, Apt. #33  
 Mr. Richard L. Gawthrop '73  
 426 East 10th Street, #2  
*Columbia City 46725*  
 Ms. Julia McNagny '74  
 R.R. #9  
*Indianapolis 46256*  
 Mrs. Albert J. Robinson  
 (Marcia Peterson '60)  
 7721 Scarborough Boulevard  
 South Drive  
*Richmond 47374*  
 Prof. Claude Stinneford '26  
 404 College Avenue

**IOWA**

*Davenport 52803*  
 Mr. Edward Ruscitti '61  
 2318 Western Avenue  
*Iowa City 52242*  
 Dr. John Adams Oaks '64  
 Assistant Professor  
 Dept. of Anatomy, College of  
 Medicine  
 University of Iowa

**KENTUCKY**

*Louisville 40222*  
 Mr. William P. Clark '58  
 Mrs. William P. Clark  
 (Nancy J. Harmon '58)  
 1610 Clearview Drive

**MAINE**

*Bangor 04401*  
 Mr. Roderick Farnham '31  
 Mrs. Roderick Farnham  
 (Margaret Davis '28)  
 M.R.C. Box 17  
*Biddeford 04005*  
 Ms. Christine Robert '75  
 38 May Street  
*Camden 04843*  
 Mrs. Kenneth E. Danielson  
 (Roberta Stockwell '67)  
 Molyneaux Road  
*Hallowell 04347*  
 Mr. Larry Arber '30  
 8 Wilder Street  
*Harpwell Center 04079*  
 Mr. Brian Shacter '66  
 Thorburn Cottages  
 Allen Point Road  
*Houlton 04730*  
 Mrs. Ralph Howard  
 (Eleanor B. Ross '37)  
 R.F.D. #2  
*Kittery 03904*  
 Mr. Jeffrey L. Lawrence '72  
 Traip Academy  
*Millinocket 04462*  
 Mrs. Roland L. Russell  
 (Patricia Farnham '62)  
 184 Highland Avenue  
*Scarboro 04074*  
 Mr. Thomas Skolfield '59  
 Oak Hills  
*Winterport 04496*  
 Mrs. Gordon Bowie  
 (Mary Stimson '65)  
 Route 2, Goshen Road  
**MARYLAND**  
*Chevy Chase 20015*  
 Mrs. George C. Spiegel  
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# College Calendar 1976-77

## FIRST SEMESTER

Thursday, September 9

Sunday, September 12

Monday, September 13

Friday-Sunday, October 15-17

Friday, October 22

Monday, October 25

Friday-Sunday, October 29-31

Friday-Sunday, November 5-7

Wednesday, November 24, at the conclusion of the 11:30 class period to

Monday, November 29, 8:00 a.m.

Thursday, December 9

Saturday, December 11 *through*

Friday, December 17

Saturday, December 18

Sunday, December 19

Monday, January 10 *through*

Friday, February 4

Freshman program begins

Upperclass registration

First classes

Homecoming weekend

Midsemester

Midsemester break (no classes)

Upperclass parents weekend

Freshman parents weekend

Thanksgiving recess

Last classes of the first semester

Semester examinations

Make-up examinations

Christmas recess begins (residence halls closed)

January program

## SECOND SEMESTER

Tuesday, February 8

Wednesday, February 9

Thursday, March 24

Friday, March 25, 5:30 p.m. to

Monday, April 4, 8:00 a.m.

Monday, May 2 *through*

Friday, May 6

Monday, May 2 *through*

Friday, May 13

Friday, May 13

Tuesday, May 17 *through*

Monday, May 23

Tuesday, May 24

Sunday, May 29

Registration

First classes

Midsemester

Spring recess (residence halls closed)

Spring registration

Optional reading period for 300 and 400 courses

Last classes of the second semester

Semester examinations

Make-up examinations

Commencement

The college reserves the right in its sole judgment to make changes of any nature in its program, calendar, or academic schedule whenever it is deemed necessary or desirable, including changes in course content, the rescheduling of classes with or without extending the usual academic term, cancellation of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or other academic activities, in any such case giving such notice thereof as is reasonably practicable under the circumstances.

# 1976

S M T W T F S

## JULY

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4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	

## AUGUST

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8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	31					

## SEPTEMBER

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5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30			

## OCTOBER

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24	25	26	27	28	29	30	
31							

## NOVEMBER

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## DECEMBER

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# 1977

S M T W T F S

## JANUARY

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## FEBRUARY

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27	28						

## MARCH

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## APRIL

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## MAY

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## JUNE

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# 1978

S M T W T F S

## JANUARY

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## FEBRUARY

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## MARCH

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## APRIL

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## MAY

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## JUNE

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## JULY

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31							

## AUGUST

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21	22	23	24	25	26	27	
28	29	30	31				

## SEPTEMBER

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18	19	20	21	22	23	24	
25	26	27	28	29	30		

## OCTOBER

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30	31						

## NOVEMBER

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27	28	29	30				

## DECEMBER

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