1972

Colby College Catalogue 1972 - 1973

Colby College

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

Mailing address: Colby College, Waterville, Maine 04901.

Telephone: (207) 873-1131.

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.

The Colby College Bulletin is published nine times yearly: in February, March, twice in May, June, twice in September, November, and December.

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Colby College

The President and Trustees of Colby College.

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.

Independent college of liberal arts for men and women (women first admitted, 1871); nonsectarian, founded under Baptist auspices.

Bachelor of Arts.

800 men, 700 women.

129 full and part time.

Over 300,000 volumes, and 16,000 microtexts; 1,000 current subscriptions to periodicals.

Accredited by the New England Association of Schools and Colleges. 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. Approved by the American Chemical Society, Association of American Medical Schools, American Association of University Women, the American Association of University Professors. The Colby chapter of Phi Beta Kappa was founded in 1895.

Colby Yesterday and Today

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 a 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 1,200 acres there are now thirty-eight buildings and several playing fields. Enrollment has risen from 600 to 1,500, and students come from two-thirds of the states and many foreign countries. The faculty, numbering fifty-six in 1940, now is 129. Endowment has increased from three million to twenty-seven million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

In 1963, Colby College observed its 150th anniversary with a series of events emphasizing the college's heritage and its responsibility for the future. That academic year was a milestone, but no event had more significance for the college than its selection by the Ford Foundation for development as a "regional center of excellence." Colby received in June, 1962, a challenge grant of $1.8 million in the Foundation's Special Program in Education, which was
successfully matched on a two-to-one basis in three years. Officials of the Ford Foundation chose a select number of liberal arts colleges to be included in the program “because of the importance of the liberal arts — the humanities, natural sciences, and social sciences — in cultivating the thoughtful leadership and independent opinion essential in a free society.” Colby has continued to explore the possibilities of the liberal arts, experimenting with educational innovations — enriching the traditional liberal arts program while remaining responsive to a changing universe.

**Presidents**

<table>
<thead>
<tr>
<th>Years</th>
<th>President</th>
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<tr>
<td>1822-1833</td>
<td>Jeremiah Chaplin</td>
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<td>1833-1836</td>
<td>Rufus Babcock</td>
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<td>1836-1839</td>
<td>Robert Everett Pattison</td>
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<td>1841-1843</td>
<td>Eliphaiz Fay</td>
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<td>1843-1853</td>
<td>David Newton Sheldon</td>
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<td>1854-1857</td>
<td>Robert Everett Pattison</td>
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<td>1857-1873</td>
<td>James Tift Champlin</td>
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<td>1873-1882</td>
<td>Henry Ephraim Robins</td>
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<td>1882-1889</td>
<td>George Dana Boardman Pepper</td>
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<td>1889-1892</td>
<td>Albion Woodbury Small</td>
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<td>1892-1895</td>
<td>Beniah Longley Whitman</td>
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<td>1896-1901</td>
<td>Nathaniel Butler, Jr.</td>
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<td>1901-1908</td>
<td>Charles Lincoln White</td>
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<td>1908-1927</td>
<td>Arthur Jeremiah Roberts</td>
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<td>1929-1942</td>
<td>Franklin Winslow Johnson</td>
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<td>1942-1960</td>
<td>Julius Seelye Bixler</td>
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<td>1960-</td>
<td>Robert Edward Lee Strider II</td>
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**Colby Today**

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

In addition to a comprehensive investigation of our heritage the Colby student is given an opportunity to explore thoroughly a major field of study.
Consistent with the philosophy of the college, responsibility is given each student in the determination of the academic program and in the regulation of social life and daily living. Toward this end advising, guidance, and counseling are available. The recommendations of the Constitutional Convention in 1969, adopted by the board of trustees, and of a similar convention reconvened in the spring of 1972, revised the governmental structure of the college to make possible a productive sharing of responsibility in the reaching of decisions. Through work on committees at both the faculty and board levels, this process involves students, faculty, alumni, and parents, as well as the administration and trustees.

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

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

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

In 1952, Colby completed its move from a 100-year-old campus in downtown Waterville to Mayflower Hill, two miles west of the city. Today, thirty-eight buildings stand on a campus of about 1,200 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 page 12.

The Keyes and Life Sciences buildings provide facilities for science programs with special collections, museums, a seismograph, reference libraries, laboratories, and conference rooms.

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 also 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, departmental libraries, auditorium, rehearsal hall, and practice and listening rooms. An expansion of the center is now underway as part of the college's $6.7 million Plan for Colby. The college's permanent collection of paintings, sculpture and other arts, and travelling exhibitions, are regularly shown in the Jetté Gallery of the Colby College Museum. The Given Auditorium is acoustically designed for musical performances and is used for chamber music, lectures, and films.

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 in Waterville. There are four coeducational
dining halls as well as two student unions. Roberts Union houses the Sherman M. Perry Infirmary, student organization offices, the campus radio station, crafts rooms, lounges, the Seaverns Bookstore, and the Paper Wall — a room set aside for informal entertainment and refreshment, used primarily on weekends. The Ninetta M. Runnals Union is a center for student activities and contains a gymnasium with stage for dramatics and lectures.

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), Alfond 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, a weight training room, and a dance studio.

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

Part of the woodland surrounding the campus has been designated as a wildlife sanctuary, The Perkins Arboretum and Bird Sanctuary, and includes 128 acres.
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 ideal working conditions for more than a third 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 more than 300,000 volumes. The microfilm collection is extensive, and the library has subscriptions to more than 1,000 journals. The federal government provides many of its publications, and a regional document library provides easy access to other government publications.

Special collections of first editions and manuscripts in the Colby library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the great Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy collection, also in the room, is the most extensive in this country. 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 which the library could not otherwise acquire. Members receive the Colby Library Quarterly.
The Academic Program

The courses in the curriculum are classified under five divisions. In the Division of Humanities are classics, English, art, music, and modern foreign languages. The Division of Social Sciences includes administrative science, economics, sociology, education, psychology, history, government, philosophy, and religion. In the Division of Natural Sciences are biology, chemistry, geology, mathematics, physics, computer science, and geophysical science. The Division of Physical Education and Athletics, besides offering courses, administers the intercollegiate athletic and intramural sports program. The Division of Aerospace Studies administers the program for students in the Air Force Reserve Officers' Training Corps.

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

The student at Colby normally takes from 12 to 18 credit hours in each semester.

To assure distribution among the several 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 recommendations 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** Effective for students entering Colby in the fall of 1972 and thereafter: a minimum of 120 semester credit hours, at least 105 of which must be earned in conventionally graded academic courses. The remaining 15 credits may be earned in (a) conventionally graded courses, (b) courses graded on a pass/fail basis, or (c) independent, not regularly scheduled programs. For students who entered Colby prior to the fall of 1972: a minimum of 105 credit hours and eight semesters of residence.

**QUALITY** A minimum of 210 quality points in 105 credit hours earned in conventionally graded academic courses. 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 specifically designated nongraded courses.

**DISTRIBUTION REQUIREMENTS**

1. **ALL COLLEGE REQUIREMENTS**
   a. *English Composition and Literature*: 6 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 600 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.
(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 6 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: LIST OF SUBJECTS
Art
Classics (except Ancient History)
Comparative Literature
Dance Composition
English (except 111, 112; 113, 114; 115; 131d, and 152)
Greek
Latin
Modern Languages (except 111, 112, 113, 114 courses)
Music
Philosophy and Religion (certain courses: Religion 223, 224; 311, 312, 351, 352, 353, 358; Philosophy 313, 355, 356 and 372; philosophy and religion seminars when topics are relevant)

B. NATURAL SCIENCES
Biology
Chemistry
Computer Science
Geology
Geophysical Science
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 and sophomore physical education requirements is required for graduation. The sophomore requirement may be waived by the Department of Physical Education.

RESIDENCE
Candidates for the degree entering Colby in the fall of 1972 or thereafter must earn at least 60 credit hours, including 53 in conventionally graded academic courses. 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 12 credit hours.

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

Students who entered Colby prior to the fall of 1972 may elect to graduate under the new requirements. Those who elect to complete under the requirements in effect at the time of matriculation are referred to the May 1971 Colby College Bulletin, catalogue issue, for regulations pertaining to residence.

EXEMPTION BY EXAMINATION
When appropriate, either all college or area requirements as well as certain requirements for the major, may be ab
Award-winning dormitory complex
Championship meet, Fieldhouse
solved by examination without course enrollment, at the discretion of the department concerned.

**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 not 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 or in one of a number of designated combinations.

The respective academic departments specify the courses constituting a major in each department. 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 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 first two courses; 2 points for each credit hour thereafter.

Each department designates the courses to which the point-scale applies for a major in that department. A student below the point-scale may, with the consent of the department 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 12 credit hours toward the fulfillment of the new major. If, at the end of his junior year, a student finds no department 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.

### Approved interdisciplinary majors are offered in the following areas:

- American Studies
- Ancient and Medieval Western Studies
- East Asian Studies
- Environmental Studies

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

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

### Reading Period

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

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

### January Program of Independent Study

In the academic year 1961-62 Colby introduced an educational experiment with its January Program of Independent Study. The 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.

To freshmen and sophomores various programs are offered. 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. An underclassman wishing to undertake an individualistic January topic outside the regular group offerings, may do so provided his topic is 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 topic is approved by the Committee on Special Programs.

The January Program for juniors and seniors follows no prescribed pattern. All arrangements are made through the student's major department. Departments usually encourage the student to select a project, sometimes as early as the preceding May, and to prepare the ground by determining availability of books and materials, and by fulfilling any other preliminary requirements suggested by the department. For projects carried on outside of the subject matter of the major department, forms for approval by the Committee on Special Programs must be filed with the director of special programs.

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
successful complete one January Program for every first semester in residence, to a maximum of four.

**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 6 credit hours per semester.

**CENTER FOR COORDINATED STUDIES**

The Center for Coordinated Studies, which opened in 1969, is an experimental unit designed to promote new programs of study and new modes of relationship among faculty members and students. It has three major objectives: (1) create, through interdepartmental programs of study, more coherent patterns for a liberal arts education; (2) create and sustain a greater degree of responsiveness between students and faculty in the design and conduct of curriculum; (3) create a more pervasive learning environment for students.

Located in coeducationally-grouped residence halls, the center provides space for classrooms, offices, living, and dining. There students and faculty members design courses of study within areas of common interest. These have included in the past: Intensive Studies in Western Civilization (Homer and History; Darwinism: the Impact of the Concept of Evolution on Modern Thought and Historical Development; Tragedy in Historical Context; Existential Thought and Literature); Studies in Human Development Bilingual and Bicultural Studies; East Asian Studies. The programs reflect the needs and experience of the participants. Areas and the courses within them, therefore, are subject to modification or change at any time during the year.

Students who join the center must devote a good portion of their academic schedules and their energies to its activities and demonstrate a continuing, active concern for improvement in living arrangements as well as educational programs.
The academic year 1970-71 marked the opening of Colby's own Junior Year Abroad program, established in France with the cooperation of the Université de Caen. Enrollment is limited to students of Colby College. Details of the program are available from Colby's Department of Modern Foreign Languages.

Opportunities for study abroad in other countries are available through the programs of other institutions or independently.

Permission to study abroad during the junior year rests with the Committee on Foreign Study and Student Exchange Programs. Students must apply, on forms provided by the committee, before or immediately after the mid-year examination period of their sophomore year, and only after having arranged details of their plan with their major advisors.

Committee approval presupposes an academic record for the first three semesters high enough to give promise that the student will complete his program of foreign study with credit to himself and to the college.

A student exchange program was begun in 1960-61 between Colby College 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. Similar exchange programs have been established with other colleges. Ordinarily exchanges are arranged for a single semester of the junior year. Students may obtain further information from the Committee on Foreign Study and Student Exchange Programs.

Colby has traditionally encouraged the enrollment of students from other countries and is actively engaged in programs of international cooperation and exchange. Colby is a participant college in the Latin American Scholarship Program of American Universities (LASPAU).

Students from foreign countries should apply to the dean of admissions.
Financial aid to foreign students is ordinarily granted only to those students who have been recommended by LASPAU or by the Institute of International Education in New York City. All candidates for financial aid not eligible to participate in one of the previously described programs should apply to the nearest representative of the Institute of International Education. At the time of application the student should request that his completed papers be forwarded to Colby College.

REGISTRATION

Students must register for courses of each semester on the regularly assigned days. A fine of five dollars 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.

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 two dollars 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.

No student may elect more than 18 hours unless a 6-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 15 hours unless a 5-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.

Colby students may register to audit courses (not for credit) by obtaining written consent of the instructor and their adviser. They are not charged an auditing fee.

Adults who are not students of the college may register to audit courses at a fee of five dollars 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 families 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.
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 or request 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. 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 75 per cent 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.

Dishonesty in an examination is a serious offense. The instructor may dismiss the offender from the course with a mark of F and refer the case to the dean of students for any further action.

ACADEMIC STANDING

A student's class standing is determined by the Committee on Standing and is based on the number of credit hours passed.

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 pass
ing; 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 to students at the end of the first semester; at the end of the second semester marks are mailed to students' homes by the registrar. In practice a student often obtains his mark directly from the instructor, but the only official record is that in the registrar's office.

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 the seventh class day of the succeeding semester. After this date 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.

Marks of W and WF indicate withdrawal from a 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 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.

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 refund which 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.

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 requirement (above) which should be read with care.

(1) When students are admitted by transfer their record
are tentatively evaluated by the dean of admissions to determine the transferable equivalent in Colby courses. These courses are credited subject to confirmation through satisfactory progress at Colby College.

(2) With prior permission, granted by the dean of students on receipt of appropriate recommendations from academic advisers, students enrolled in the college may receive credit for work in Junior Year Abroad programs, in an exchange semester, or in approved summer school courses. No student may receive credit toward graduation for more than 14 credit hours taken in summer school for the purpose of making up deficiencies.

(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 only as candidates for a degree of bachelor of arts. The size of the entering class is limited, and each year the number of acceptable candidates exceeds the number of freshman openings. The college is therefore, selective. The academic record of an applicant is important in determining the degree to which he has demonstrated intellectual curiosity, and evidence of motivation are of primary significance; also important is character and personality. Colby is interested in candidates of academic ability who have demonstrated interest and participation beyond the routine scope of their studies.

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. No person is excluded on grounds of race, color, religion, or national origin.

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

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

APPLICATION PROCEDURE

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

(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
nancial 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 1, and successful candidates are exempted from further admissions tests except for placement purposes. Tests taken before the senior year should accompany early-decision applications. 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 these should be scheduled well in advance. The college will arrange meetings with 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 1: 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.
### Tests

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, while 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 600 on the language test meets the college language graduation requirement.

### Advanced Standing

Colby participates in the Advanced Placement Program through the College Entrance Examination Board, providing academic credit for students qualified for advanced standing. Those interested must take CEEB Advanced Placement Tests and have them submitted to Colby for evaluation. Students scoring 4 or 5 receive automatic placement and credit from the college. Scores of 3 and below are evaluated by the academic department concerned.

### 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 college in earlier-than-usual admission.

### Transfer Students and Veterans

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

Transfer application forms, including a special confidential recommendation form, may be obtained from the admissions office. Credits from accredited institutions are generally accepted for courses in which grades of C or better are received and which are comparable to courses offered at Colby, subject to our two-year residency requirement.
Veterans may request advanced standing consideration for completion of service schools or USAFI courses in advance of matriculation. Credit is not granted for military service or College Level General Educational Development Tests.

Nonmatriculated Students

Subject to limitation of enrollment in individual courses and the consent of the instructors, the college permits adults to enroll as nonmatriculated students. Such persons must present evidence that they are qualified to pursue the intended courses and pay the fee of $95 per credit hour. Admission of nonmatriculated students is the responsibility of the dean of admissions.

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.
Orientation for Freshmen

The freshmen 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.

<table>
<thead>
<tr>
<th>READING TESTS</th>
<th>Tests during orientation week determine levels of speed and comprehension in reading. Those deficient are offered assistance in a developmental reading program.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLACEMENT IN MATHEMATICS</td>
<td>Tests are scheduled for freshmen who have not taken CEEB advanced placement examination in mathematics but who seek placement in mathematics 211d (Calculus II), 212 (Calculus III), 241 (Elementary Statistics), or 243 (Finite Mathematics) without other prerequisite.</td>
</tr>
<tr>
<td>PLACEMENT IN FOREIGN LANGUAGES</td>
<td>The college language requirement for 1972-73 is met by entrance by a score of 600 or more on the CEEB Language Achievement Test. Students continuing a foreign language in college are placed on the basis of the language achievement test. Those presenting two or more units for entrance continue in courses above the 101, 102 level, or repeat the language at elementary levels without credit. A different language may be elected at the elementary level for credit. Students of Latin with not more than two years of study, all completed prior to the last two years of secondary school, may, with the approval of the department chairman, take elementary Latin for credit.</td>
</tr>
</tbody>
</table>
Fees and Financial Aid

ANNUAL STUDENT CHARGES

Tuition $2,500
Board 700
Room 500
Dormitory Damage Deposit1 15
General Fee 175

$3,890

END OF PAYMENTS

Upon acceptance for admission
Admission deposit — freshmen $ 100

July 31
Attendance deposit — upperclassmen $ 200

FIRST SEMESTER

On or before August 31
One-half of annual student charges for tuition, board, and room, plus the dormitory damage deposit and the general fee for the year $2,0002 (Note: Admission, attendance, and room deposits as paid may be deducted from this first semester payment.)

November 30
First semester bill (following pages)

SECOND SEMESTER

On or before January 20
One-half of annual student charges for tuition, board, and room $1,8903

March 31
Second semester bill

April 15
Room deposit for following year $ 50

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

1The dormitory damage deposit does not apply to residents of fraternity houses.

2Students who are permitted to eat or live off campus may deduct $350 for board or $265 for room and dormitory damage deposit from the amount due in advance of the first semester.
FEES AND CHARGES EXPLAINED

No formal bills are issued for the following items:

**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 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 before August 1.

*Attendance Deposit:* A nonrefundable deposit of $200 is required of all upperclass students on or before July 3 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.

**ADVANCED PAYMENTS**

*Tuition:* The tuition charge is $1,250 per semester for schedules of 9 to 18 credit hours and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than 9 hours and for hours in excess of 18, the tuition charge is $95 per credit hour. The tuition charge for hours in excess of 18 will be included in the semester bill. Nonmatriculating students will be charged at the rate of $95 per credit hour.

*Board:* Board in college dining halls is charged at the rate of $350 per semester. Payment must be made prior to each semester in accordance with the calendar of payments. All students living on campus are required to pay board charges to the college.

*Room:* The room charge in college dormitories is $250 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 permission.
specific approval of the dean of students. Dormitory reservations are made through the offices 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 dormitories 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.

_General Fee:_ The general fee is $175 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 Student Government and such student organizations as it chooses to support.

_Health Service:_ The general fee (compulsory for all students) also supports the college health services. Free service in the Sherman M. Perry Infirmary is provided. 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 $4 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

**SEMESTER BILL** Charges for miscellaneous items not due prior to registration are included on semester bills due November 30 and March 31. Included are charges for extra credit hours, chemistry laboratory fee, fraternity fee (see below), etc. The semester bill also itemizes all previous semester charges and credits, thereby providing a complete record of the student's account for the entire semester.

**MISCELLANEOUS** The fee for each semester hour in excess of 18 hours per semester is $95 per hour.

A chemistry laboratory fee of $20 per course is charged on the first semester bill. Students enrolled in chemistry courses are required to pay for excessive breakage or loss of apparatus.
All fraternity men are charged a fee in excess of the room rent established for college dormitories. The fee is charged on the semester bill and applies whether the student resides in the fraternity house or not. The amount of the fee is determined by each fraternity.

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 one dollar 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, and general fee 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. A fine of $2 per day may be imposed for failure to make payments of financial obligations to the college on or before the due date.

Plans providing for monthly payments at moderate costs are available through the Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116, and Education Funds, Inc., 36 S. Wabash Avenue, Chicago, Illinois 60603.

The treasurer cannot permit deferred payment of any portion of the charges due prior to registration but may, at his discretion, grant partial extension for a brief period on the semester bill. 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 and room rent are charged according to the following schedule:
- During first two weeks of classes: 20% charged
- During third week of classes: 40% charged
- During fourth week of classes: 60% charged
- During fifth week of classes: 80% charged
- Thereafter: 100% charged

Board is charged at the rate of $25 per full or partial week. No reduction is made for periods less than a full week.

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

Whenever a student is required to withdraw because of unsatisfactory conduct or scholarship, no refund will be made other than for board.

OVERPAYMENTS

Credit balances on semester bills are ordinarily carried forward to the student's account for the following semester. After semester bills have been completed and mailed, requests for refund 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.

FINANCIAL AID

Colby College currently awards nearly 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 applicant for financial aid to submit a Parents' Confidential Statement, analysis of
which determines individual student need within the context of the college's financial-aid policy and schedule of student fees.

Entering freshmen make application for financial aid by sending the completed PCS to Princeton by February 1 of the academic year preceding admission. (Students applying for early decision and financial aid should have their PCS form filed in Princeton as early as possible in the fall of the academic year preceding admission.) Upperclass financial-aid candidates arrange to have a PCS filed each year before April 20 so that the student's financial-aid awards may be adjusted to changing family financial conditions. All aid recipients are expected to report appreciable changes in their family circumstances as soon as they occur.

**GIFT SCHOLARSHIPS**

Gift scholarships, in the form of cash grants, total nearly $130,000 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 government grants. Only Kling scholarships (for male descendants of colonial America) require special application, the remaining being administered by the financial aid office.

**SELF-HELP CAMPUS JOBS**

Self-help consists of low-interest loans and/or campus jobs requiring up to ten hours per week. Approximately 250 students are employed as student workers in campus cafeterias, the library, and other part-time work positions. No job requires more than ten hours a week, but, at $1.60 per hour, a diligent worker can earn as much as $450 per school year, which he may receive as cash or credit toward his semester bill.

**WORK-STUDY PROGRAM**

This program, federally funded, is primarily designed to assist students from families of low income. Employment is ordinarily in off-campus jobs with youth organizations, poverty programs, and hospitals. Some campus work-study positions are available. Off-campus work-study pay varies with the experience and skill of the employee but is never
less than the federal minimum wage. Work-study jobs are not ordinarily available to incoming freshmen.

**LOANS**

Students on financial aid are expected to supplement their scholarships by borrowing from either of the two student loan programs:

1. The *Guaranteed Loan Program*, sponsored by most eastern states and by the federal government, carries a 7% interest rate that accrues only upon graduation. Application is initiated by the student through his own home bank.

2. The *National Defense Loan*, federally funded but administered by the college, is intended to aid students whose gross family income is less than $10,000. Because these funds are limited by federal appropriation, relatively few Colby students are able to borrow under this program.

**PACKAGED AID**

The total family financial situation is considered for each applicant, and his financial aid is offered in the form of a package. For example, a typical package for a student showing need of $2,500, over and above what he and his family would be expected to contribute, would consist of a gift scholarship of $1,300. The student would be expected to provide the remaining $1,200 from a combination of campus employment and borrowing under one of the student loan programs described above.

Financial aid is a privilege 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. No applicant is denied aid on the basis of race, religion, or national origin.

Financial aid awards are granted within the parameters of the financial-aid policy of the college and the current appropriated financial-aid budget.

More complete information regarding financial aid can be found in the brochure *Financial Aid at Colby College*, which is available at both the admissions and financial aid offices.
Student Life and Activities

Although Colby has for some time been independent of formal affiliation with any religious denomination, the college is proud of its Baptist heritage. With their insistence on religious liberty and the right to private conscience, the Baptist founders of Colby endowed it with values and principles which still invigorate its program. The college has a full time chaplain.

There are no required religious services. It is a conviction at Colby that religious influence is best exerted by persuasion rather than by compulsion.

Each Sunday a worship service is held with the college choir and a sermon by the chaplain, a visiting theologian member of the faculty, or a student.

A ministry to the college community is carried on by an ecumenical team consisting of the chaplain to the college, the rabbi of the local Jewish congregation, a Roman Catholic priest, and the rector of the Episcopal parish in Waterville. The members of the ministry conduct a program of religious services and discussion meetings, and are available for personal counseling.

*Working Together*, a community service project sponsored by the chaplain, recruits and organizes students for volunteer work in a school for retarded children, Thayer Hospital, the Boys Club, and the Big Brother and Big Sister program.

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.

Throughout the year, outstanding scholars, musicians, and artists visit the campus. There are two lecture series - the Guy P. Gannett and Gabrielson - 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 topics. The Winthrop H. Smith Visiting Scholars Progr
brings a distinguished speaker for two or three days to lecture, speak in classes, and meet informally with students and faculty. The Clara M. Southworth Lecture presents a prominent lecturer on a subject in “the broad field of environmental design with emphasis on understanding some of the underlying philosophies of design which relate to the way in which men live.” The Lovejoy Convocation annually honors a member of the newspaper profession.

Among visiting speakers in 1971-72 were Nicholas Goncharoff, Leslie Fiedler, John Roderick, Dick Gregory, Frederick B. Thompson, John Sack, Joseph Campbell, George B. Kistiakowsky, Thomas G. Moore, Carl E. Bagge, David J. Rose, Michael Yeats, Erwin D. Canham, Jean-Francois Revel, Stan Vanderbeek, Scott and Helen Nearing, Rollo May, and James Wines.

Musical organizations which offer opportunities in vocal and instrumental music are the Colby Community Symphony Orchestra, the glee club, the band, all under faculty direction and carrying academic credits. Other groups under faculty direction are the chapel choir and the brass choir.

There are also informal groups: the Colby Eight, the Colbyettes, and the Baroque Society.

Recitals are presented on the Mellon Organ in Lorimer Chapel.

The Colby Music Series, a new student-college-community group, offered performances during the past year by The Chamber Orchestra of the Saar, duo pianists Eden and Tamir, The Dorian Woodwind Quintet, and sitarist Ravi Shankar.

Among other concerts presented were three by the Colby Community Symphony Orchestra; a combined concert by the orchestra, glee club, and Waterville Area Community Chorus; a program by the Colby glee club and two by the band; concerts by the Portland Symphony Orchestra String Quartet, pianists William Dawson and Tibor Yusti (artist-in-residence), lutenist and singer Suzanne Bloch, and harpist Grainne Yeats; and, under the sponsorship of Student Gov-
ernment, performances by J. Geils, John Hammond, Jonathan Edwards, Chris Swansen and the Moog Synthesizer, the Helen Hollis Gospel Singers, and Roberta Flack.

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 travelling shows are to be seen in the Jetté Gallery of the Colby College Museum. Special collections are the Harold T. Pulsifer Collection of Winslow Homer, the Bernat Collection of Oriental Ceramics and Bronzes, the Adelaide Pearson Collection, The American Heritage Collection, and the Helen Warren and Willard Howe Cummings Collection of American Art. The permanent collection features European and American painting, sculpture, and graphic art.

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year. The organization has been instrumental in building the permanent collection.

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

Among the 1971-72 exhibitions were Fabrics by Jack Lenor Larsen; The Skowhegan School of Painting and Sculpture Competition Exhibition for the William and Marguerite Zorach Maine Scholarships; Sculpture by William King; Horizons – A Preview of the Models and Plans by the Architectural Firm Johnson-Hotvedt for the Addition to the Bixler Art and Music Center; Spectrum – Works of Art from the Private Collections of the Advisory Council of the Friends of Art at Colby; Twentieth-Century American Works of Art from the Private Collection of Mr. and Mrs. John Marin, Jr.; Student Arts Festival Exhibition; and American Paintings from the Collection of Mrs. Norman B. Woolworth.

In addition to the studio courses in the regular curricu-
lum three workshops are maintained for extra-curricular activities in film making, ceramics, and typography.

Powder and Wig, the dramatic society, has a distinguished record of productions under the supervision of the director of dramatics, who is a member of the English faculty. Students act in plays, direct, build scenery, and supervise staging and lighting. Several plays produced by students are presented each year. History of drama courses are offered by the English department. The 1971-72 Powder and Wig offerings included *In Circles* (Gertrude Stein); *The Revenger’s Tragedy* (Cyril Tourneur); three one-act plays, *The Lesson* (Eugene Ionesco), *Line* (Israel Horovitz), *Self-Accusation* (Peter Handke); *Happy Days* (Samuel Beckett); and *Tartuffe* (Molière). In addition Powder and Wig sponsored a one-man reading by Jack MacGowran of *The Works of Beckett*, a re-creation of the performance which earned him a New York Drama Critics’ award, and Student Government presented the National Shakespeare Company in *Romeo and Juliet*.

A tradition of public speaking has resulted in the endowment of prizes for several speaking contests. These events, as well as debating, are supervised by the professor of speech in the department of English. Debating teams compete with other colleges, and Colby is represented at various intercollegiate speech contests.

Film Direction, formed in 1962 by students and faculty, brings films of high quality in various film genres. In addition are regular movie showings by Sunday Cinema and films brought by departments.

Colby recognizes the fraternity system as a cooperative feature of campus life. There are chapters of nine fraternities and three national sororities. Eight of the fraternities occupy separate houses on the campus, controlled by prudential committees on which the fraternity, alumni association, the local chapter, and the college are represented. The
Council of Fraternity Presidents represents the system in college affairs.

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), Chi Omega, and Alpha Delta Pi.

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

**STUDENT ORGANIZATIONS**

More than seventy student organizations are active on campus. Some have religious affiliations while others are academic. Among the latter are Los Subrosa (Spanish), Chi Epsilon Mu (chemistry), Delta Phi Alpha (German), Phi Sigma Iota (Romance languages), and the Pre-Medical Society. Student publications include the weekly newspaper The Echo; the yearbook, The Oracle; and the literary magazines, Ergo and Pequod.

The service organizations are the Blue Key, Student Judicial Board, the Panhellenic Council, and the Council of Fraternity Presidents.

Other groups include Arnold Air Society, AFROTC Cadet Corps, Chess Club, Colby Graphic Arts Workshop, Crafts Shop, Darkroom Associates, German Folk Song Club, Baroque Society, International Relations Club, Lacrosse Club, Modern Dance Club, Outing Club, Radio Colby Young Republicans, Young Democrats, Colby Environmental Council, Film Direction, and the Women's Athletic Association.

There are other societies and clubs described under appropriate catalogue headings.

In addition, each class acts as an organization, with elected officials. Student Government plays an important and integral part in the life of the college.

**GENERAL REGULATIONS**

Rules concerning student residence, organizations, social activities, and intercollegiate athletics are published in the
Student Handbook. All students are held responsible for knowledge of these regulations as well as for those in the annual catalogue.

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

ATTENDANCE (1) Students are expected to attend class 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.

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

Medical excuses are issued only to students who fall within one of three classifications: (i) those confined to the college infirmary or hospital because of illness or surgery, (ii) students treated by the medical staff at the dispensary, infirmary, or hospital, (iii) 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.

(3) Absences caused by exclusion from classes because of nonpayment 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.
(4) 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 members of this community work together under a systematic program, elaborated by faculty and trustees with the participation of students, which is designed to aid all members of the community to grow not only intellectually but also personally.

The trustees have delegated to various sectors of the college, including Student Government, 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.

Colby College respects the laws and ordinances of the civil jurisdictions within which it lies. The college 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 consumption of alcoholic beverages. The laws of the State of Maine forbid possession of alcoholic beverages by any person under the age of 18. Where drinking leads to disruptive behavior, a student faces sanctions.

Colby College does not tolerate violations of federal or state drug laws, nor does it tolerate unauthorized experimentation by its students with drugs. Such violations of experimentation may result in dismissal from the college.

**HEALTH POLICY**

Because the college feels the best interests of Colby students are served by having full medical counseling and treatment from physicians thoroughly informed about personal medical history, physicians in the Colby Health Service treat students on the same basis as community physicians treat.
the patients under their care. The college respects the rights of these physicians to use their professional judgment in meeting the health needs of students today.

The college reserves the right, however, to require a student to withdraw for medical reasons on recommendation of the college physician if in his opinion such student becomes unable satisfactorily to carry on normal student functions, or when his presence is or may become a hazard to himself or others.

The officers, faculty, and medical staff of the college also reserve the right to refuse to divulge information regarding a student's psychological or psychiatric condition or concerning matters of an intimate nature.

**SPECIAL DIETS**

Short-term arrangements are made for special diets at the request of the college physician. A scientifically developed vegetarian diet is available.

**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.

Freshmen are not permitted to have cars on campus, and upperclass students are urged to consider their needs carefully before bringing cars to the college.

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.

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 deans of students. The college has very limited facilities for housing married couples on campus, most of whom prefer to find accommodations in the surrounding area.
II Divisions, Departments, and Courses of Study
CHAPTER II  DIVISIONS, DEPARTMENTS, AND COURSES OF STUDY

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142  PREPARATION FOR GRADUATE AND PROFESSIONAL SCHOOLS
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 separate section on interdisciplinary programs, page 67.

Courses are offered within five divisions:

**Division of Humanities**

Divisional courses in humanities and courses in the following departments: *Art; Classics*, including classics in English translation, Greek, and Latin; *English; Modern Foreign Languages*, including French, German, Italian, Japanese, Portuguese, Russian, and Spanish; and *Music*. Additional courses in *Comparative Literature*.

**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*.

**Division of Natural Sciences**

Courses in the departments of *Biology; Chemistry; Geology; Mathematics; and Physics*. Additional courses in *Computer Science*.

**Division of Aerospace Studies**

Courses in *Aerospace Studies*.

**Division of Physical Education and Athletics**

Courses in *Physical Education*.

In the departmental statements following, members of the active faculty for the academic year 1971-72 are listed.
Division of Humanities

Chairman, Professor Howard

INTERDEPARTMENTAL MAJORS

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

Requirements for the major in classics-English
In English: six semester courses approved by the department.
In classics: either three years of Latin above the level of 114 or three years of Greek.

Requirements for the major in classics-philosophy
In classics: either three years of Latin above the level of 114 or three years of Greek, subject to departmental approval.
In philosophy: Philosophy 123 or 211, 212; 331, 332; 491 or 492.

The point scale for retention of each of the above majors applies to all courses that may be credited toward the major.

ART

Chairman, Professor Carpenter
Professor Carpenter; Associate Professor W. Miller; Assistant Professors Meader and Matthews; and Mrs. M. Miller.

Requirements for the major in art
Art 121, 122, 221 (or 211); at least three semester courses chosen from 252 (or 271), 311, 312, 313, 314, 318, 352; 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 approval of the student's adviser in the sophomore or junior years.

The point scale for retention of the major applies to courses taken in the department. A departmental examination is to be passed in the senior year.

CLASSICS

Chairman, Professor Howard
Professor Howard; Associate Professors D. Koonce and Westervelt

Requirements for the major in classics
Three years of Latin above 114 and three years of Greek.

1Part-time.
Requirements for the major in Greek
Four years of Greek and two semesters of ancient history. Two further semesters of ancient history may be substituted for one year of language.

Requirements for the major in Latin
Four years of Latin above 114 and two semesters of ancient history. Two further semesters of ancient history may be substituted for one year of language.

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

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

Acting Chairman, PROFESSOR SUTHERLAND
Professors Strider, A. Comparetti³, Benbow², Cary, Sutherland; Avalon Professor Marshall³; Associate Professors MacKay, Suss, Witham, Curran⁴, Brancaccio, and W. Wyman; Assistant Professors H. Koonce, Mizner, Sweney, Russ, E. Kenney, Bassett, Stratman, Bierhaus, Hunt, R. Gillespie, J. Wyman, S. Kenney¹, E. Pestana¹; Mr. Arnold.

Requirements for the major in literature in English
Two semester courses from each of the following groups: (1) 251, 253, 255; (2) 257, 259, 271, 273. Also 317; 493, 494; and three other courses in English numbered 300 or above, excluding courses noted below. English 111-114, 115, 116, 118, 131, 152, 211, 212, 231, 233, 391, 393, 396, 411 do not count for the fulfillment of major requirements.

In addition, each student must elect two semester courses in history, or in the history of philosophy, music, or art; or literature in a foreign language.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements.

Attention is called to the interdepartmental major in classics-English, and to interdisciplinary majors in American studies and ancient and medieval western studies.

¹Part-time.
²On leave, 1971-72.
³First semester, 1971-72.
⁴On leave, second semester, 1971-72.
MODERN FOREIGN LANGUAGES

Chairman, Professor Bundy
Professors Kellenberger, Bundy, Holland, and G. Smith; Associate Professors P. Bither, Biron\(^1\), Schmidt, Kempers, Cauz, and Kueter; Assistant Professors F. Pérez, C. Ferguson\(^2\), P. Doel, Ferguson\(^1\), Filosof, Kerkham\(^1\), S. Cassol, Mursin, Hall, and Roeslein; Mr. Doan and Mrs. C. Kueter\(^3\).

Placement 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 that language or make arrangement for placement during Freshman Week.

Note: In addition to the following major programs, the department also offers instruction in the Japanese and Portuguese languages, and in Italian, Japanese, and Russian literatures in translation. Work can be done in some of the less commonly taught languages through the college’s participation in the Princeton University Cooperative Undergraduate Program for Critical Languages.

Requirements for the major in French
French 125, 126 and 24 additional credit hours in courses numbered 200 or higher, with the exception of 411 and 411·.

Requirements for the major in German
German 125, 126 and 18 additional semester hours in advanced German courses.

Requirements for the major in Russian
Twenty-four semester hours in Russian courses numbered above 114. Freshmen who take Russian 111, 112 and plan to major in the language are urged to take the equivalent of Russian 113, 114 during the summer so that they can take Russian 225, 226 during their sophomore year. The following supporting courses are strongly recommended: History 341, 342.

Requirements for the major in Spanish
Twenty-four semester hours in Spanish courses numbered above 114.

The point scale for retention of any major within the department is based on courses in the major language only.

Teacher certification: Students desiring certification for teaching any of the above languages must take 411 in that language and may in some cases be required to take other specified courses.

\(^1\)On leave, 1971-72.
\(^2\)Director, Junior Year Program in Caen, 1971-72.
\(^3\)Part-time, 1971-72.
Chairman, Professor Comparetti
Professors E. Comparetti and Ré; Associate Professor Armstrong;
Assistant Professors Heinrich, Yusti, and D. Reuman.

Requirements for the major in music
Music 123, 124, 163, 164, 263, 264, 411; at least nine additional hours in music history or theory courses numbered 200 or higher. Majors are urged to complete Music 123, 124, 163, 164 no later than the end of the sophomore year. Some skill at the keyboard is required of all majors; consult the department. Students wishing to pursue graduate study in musicology are advised that a reading knowledge of French and German is a general requirement for such study.

The point scale for retention of the major applies to all courses in music history and theory.

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Division of Social Sciences

Chairman, Professor Weissberg

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, ancient and medieval western studies, and East Asian studies.

Requirements for the major in administrative science-mathematics

In administrative science: 221, 222; 321, 322; 353; 413, 414; and Economics 241, 242.

In mathematics: at least 18 credit hours, including 113d; 212d; either 241, 242 or 381, 382; at least six hours must be at the 300 or 400 level.

Psychology 111d, 353, and Sociology 221, 222 are recommended but not required.

Requirements for the major in economics-mathematics

In economics: 241, 242; 331; 336; 394; 411; plus two additional semester courses.

In mathematics: 113d; 212d; 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.

1On leave, 1971-72.
2Part-time.
Requirements for the major in philosophy-mathematics
In philosophy: 212 and either 123 or 211; 331, 332; 357 one further course in the department.
In mathematics: at least 18 credit hours, including 113d, 211, 361.

Requirements for the major in psychology-mathematics
In psychology: 111d, 271, 392, 472; one course selected from 213, 215, 272, 274, 331; one course selected from 234, 252, 262, 353d.
In mathematics: 241, 242 or 381, 382; at least 12 additional credit hours, of which six must be at the 300 or 400 level.

The point scale for retention of each mathematics combination major applies to all courses offered toward the major.
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 Zukowski
Professors Williams and W. Zukowski; Associate Professor Knight; Assistant Professor Landsman.

Requirements for the major in administrative science
Administrative Science 221, 222, 321, 322, 413, 494; two semester courses of mathematics; Economics 241, 242; Psychology 111d, 353; Sociology 221e, 222 (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 331, 336; or any additional courses in administrative science.

The point scale for retention of the major applies to administrative science courses and to Mathematics 241, 242, 243, 244; Economics 331, 336, where these courses are used to satisfy major requirements.

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

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

Economics
Chairman, Professor Pullen
Professor Pullen; Associate Professors Hogendorn1 and Gemes.

1On leave, 1971-72.
Assistant Professors Cox, Dunlevy, and Mannur.

Requirements for the major in economics

Economics 241, 242, and eight additional semester courses in economics, including Economics 331 in the junior year and 411. 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 may be substituted for two of the eight semester courses in advanced economics required for the major.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 331, 336, 341, 342, 394, and 411. In addition, they should have college mathematics through calculus, and a working knowledge of elementary statistics. If a student intends to be a candidate for the Ph.D. degree, he should also acquire a reading knowledge of French and/or German.

The point scale for retention of the major applies only to courses in economics, except that Administrative Science 221, 222 or 321, 322 will be counted if substituted for courses in advanced economics in fulfilling the major requirement.

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

Office of Education, Associate Professor Jacobson; Assistant Professor E. Pestana

Colby offers a three-year, interdepartmental program of courses and field experiences which meets the minimal requirements for secondary-school-teacher certification in the fields of English, social studies, science, mathematics, and modern foreign languages. Because requirements vary from state to state, however, each student must assume responsibility for obtaining the pertinent information which he needs. For those students who wish

1 On leave, first semester, 1971-72.
2 Part-time.
3 For those students who wish to meet elementary-school-teacher certification, the sophomore and junior courses can be taken at Colby, and the balance of the program (which commonly requires 30 hours in education courses) completed elsewhere after graduation.
4 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. (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).
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, 254; Psychology 252. Junior year: Philosophy 333; Education 336, 353, 354. Senior year: Education 441, 442, 454, and full-time teaching internship during January. Courses numbered 411 in the departments of English and modern foreign languages 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 207F, Miller Library.

HISTORY AND GOVERNMENT

Acting Chairman of History, Professor Gillum
Acting Chairman of Government, Professor Weisberg
Professors Maurinac1, Gillum, Raymond, and Weisberg; Avalon Professor Friedrich2; Associate Professors Berschneider, Bridgman and Foner; Assistant Professors Elison1, Kany, and Rosen; Messrs Critchfield, Maisel, Sacks, Blits, and Farr.3

The department offers majors both in government and in history. Attention is also called to interdisciplinary majors in American studies, ancient and medieval western studies, and East Asian studies.

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.

Requirements for the major in history

Ten semester courses in history and two semester courses in government. 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

1On leave, 1971-72.
2First semester, 1971-72.
3Part-time lecturer.
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.

The point scale for retention of the major applies to all courses in history and government.

**PHILOSOPHY AND RELIGION**

Chairman, Professor Parker

Professors Clark, R. Reuman¹, Todrank, and Parker; Visiting Professor Naravane²; Associate Professor Hudson; Assistant Professors Peters and Thorvaldsen; Mr. Longstaff.

Requirements for the major in philosophy

Philosophy 211, 212, 331, 332, 353, and twelve additional hours in philosophy, only six of which may be in 100-level courses.

Requirements for the major in philosophy and religion

Religion 223, 224, 311, 312, 316. Philosophy 211, 212, 331, 332, 372, 373.

The point scale for retention of each of the above majors applies to all 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 major in ancient and medieval western studies.

**PSYCHOLOGY**

Chairman, Professor Gillespie

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

Requirements for the major in psychology

Biology 111, 114; Psychology 111d, 114, 271, 392, 472; two courses selected from 213, 215, 272, 274, 331; two courses selected from 234, 252, 261, 262, 353d.

The point scale for retention of the major applies to all courses offered toward the major, as prescribed above.

Requirements for the honors program in psychology

In the spring of their junior year, psychology majors may be invited to apply for admission to the honors program. Students in

¹On leave, 1971-72.
²First semester, 1971-72.
this program will meet the regular course requirements for the major, and, in the second semester of the senior year, submit an honors essay (for which they may be enrolled in Psychology 49, 492) and pass an honors examination based on a supplement reading program and incorporating a nationally standardized advanced test in psychology. Honors will be awarded to those who attain honors on essay and examination and who achieve 3.1 average in major courses by the end of the senior year.

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

**Sociology**

*Chairman, Associate Professor Geib*

Professor Birge; Associate Professors Geib and Rosenthal; Assistant Professors R. Doel and Morrione; Mr. Marks.

*Requirements for the major in sociology*

Sociology 221, 222 and eight additional courses in sociology, including Sociology 411, 412; any combination of four courses selected from history, government, psychology, and economics. A written comprehensive examination is to be passed in the senior year.

The point scale for retention of the major applies to all course in sociology.

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**Division of Natural Sciences**

*Chairman, Professor Bancroft*

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 or 161, 162; 212, 281; two additional semester courses numbered 200 or higher.

In biology: 111, 114, 271; twelve additional credit hours. Substitutions may be made for 111 and 271 with departmental approval.

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

A comprehensive examination is to be passed in the senior year in either geology or biology.
The point scale for retention of the major applies to all courses in geology and biology.

Requirements for the major in geology-chemistry

In geology: beginning in the sophomore year 241, 242; 281, 282; 321, 322.
In chemistry: 141e, 142; 331, 332; 341, 342. Physics 121, 122 and Mathematics 121d, 122d.

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 plus four additional semester courses as approved.
In mathematics: 113d, 121d, 122d, 212d, 311, and one additional semester course as approved.

Note: Most physics courses have prerequisites or corequisites in mathematics. 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.

Colby College has access to the PDP-10 computer at Bowdoin College through remote terminals in the Keyes Science Building and Lovejoy Building. Courses are given each semester in Introduction to Computer Science. Orientation programs in the use of the terminals and the machine language Basic are also given for any students who are interested. Every student who elects an elementary mathematics course will receive instruction in the use of the terminals.

Chairman, Professor Scott
Professors Scott1 and Terry; Associate Professor Easton; Assistant Professors Fowles, Gilbert, and Champlin.

Requirements for the major in biology

Two semesters of mathematics, including 121d; Chemistry 141, 142; 32 credit hours in biology including 111, 114, 271, 272; one additional year of science and participation in the biology seminar in the senior year. Biology 111, 114, 271 and 272 constitute

1On leave, second semester, 1971-72.
CHEMISTRY

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

The department offers major programs for the liberal arts student who intends to make a career in research, or for the student who has other professional objectives, such as agriculture, business, industry, or medicine. The major, accredited by the American Chemical Society, provides training more sharply focused toward further work in university graduate schools; a student graduating in this program receives official certification from the society. The other, the basic major, is less specialized and affords more opportunity for study outside the department. Both involve the same core curriculum, but the ACS major requires either German or Russian (through intermediate level), and a minimum of three other specified semester courses in chemistry.

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

a core program and are normally prerequisite to all other biology courses. With special permission of the department a student may arrange to take certain higher numbered courses with Biology 271, 272. The inclusion of geology is advised for major preparing for teaching or for work in the field aspects of biology. Students preparing for graduate study in the biological sciences including those planning to enter dental, medical, or veterinary schools, must take Mathematics 122d, Physics 121, 122, and organic chemistry. For most of these, at least one further course in mathematics should be elected, with the advice of the major department. It should be noted that requirements for the Ph.D. degree in areas of biological science include a reading knowledge of two modern foreign languages.

The point scale for retention of the major applies to Chemistry 141, 142; the first two semester courses in college mathematics and all courses in biology.

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 major in environmental studies.
Requirements for the ACS accredited major in chemistry

Required courses (subject to minor change by permission of the chairman of the chemistry department):

**Freshman year:** Chemistry 141e, 142; Mathematics 121d, 122d; German 111, 112; or Russian 111, 112.

**Sophomore year:** Chemistry 241e, 242; Physics 121, 122; German 113, 114; or Russian 113, 114.

**Junior year:** Chemistry 331, 332; 341, 342.

**Senior year:** Chemistry 411, 431. Two other semester courses may be taken as electives.

An additional language and a second course in physics are recommended.

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); law; graduate schools of biochemistry, chemistry, oceanography, and others. 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.

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.

Attention is called to the interdepartmental geology-chemistry major.

Chairman, PROFESSOR KOONS

Professor Koons; Assistant Professors Coleman, H. Pestana, and Allen.

Requirements for the major in geology

Geology 121, 122 or 141, 142, or 161, 162; 212; 241, 242; 261;
281, 282; 321, 322; 352; one year of college mathematics; and Chemistry 141, 142. A written 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; 212; 221, 222; 261; 281, 282; 292; Chemistry 141. A comprehensive examination is to be passed in the senior year.

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

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 and geology-chemistry, and the interdisciplinary major in environmental studies.

**MATHEMATICS**

*Chairman, Professor Zukowski*

Professors Combellack¹ and L. Zukowski; Assistant Professor Fuglister, Hayslett, Junghans², Knox, and Small.

*Requirements for the major in mathematics*

Mathematics 113d, 121d, 122d, 212d, 361, 362, 421, 431 plus twelve credit hours selected from the following: 311, 314, 316, 332, 353, 381, 382, 422, 432.

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

A brief introduction to the use of computer terminals will be included in each of the mathematics courses numbered 113d, 121d, 122d, 212d. For students electing more than one of the above courses 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.

**PHYSICS**

*Chairman, Professor Bancroft*

Professor Bancroft; Associate Professor Dudley; Assistant Professor Metz.

The department seeks to train students to think analytically

¹On leave, second semester, 1971-72.
²On leave, first semester, 1971-72.
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, 321, 332; Mathematics 121d, 122d, 212d; six additional credit hours in natural science.

Students preparing for graduate work in physics, a related science, or engineering should plan to elect eight additional hours of physics, including Physics 322, and six additional hours of mathematics, including Mathematics 311d. Mathematics 121d, 122d 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.

The point scale for retention of the major applies to all courses taken in the Division of Natural Sciences.

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

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Division of Aerospace Studies

Chairman, Associate Professor Harris

Eligible students may qualify for a commission as an Air Force officer by completing the Senior Air Force ROTC program. Either a two-year or a four-year program may be selected.

The traditional four-year program requires the student to pursue the General Military Course of Aerospace Studies during his freshman and sophomore years. Upon completion of the first two years of Air Force ROTC, qualified students enroll in the Professional Officer Course for their junior and senior years. A four week field training course is held during one summer at an Air Force base.

Students may qualify for the two-year Professional Officer Course by completing the Officer Qualifying Test and attending a six-week summer field training course at an Air Force base in

1Designated Professor of Aerospace Studies.
the summer between the sophomore and junior years. Students apply for this two-year program during their sophomore year.

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**Division of Physical Education and Athletics**

*Chairman, Associate Professor Winkin*

*Associate Professors Winkin and M. Bither; Assistant Professors McGee, Cowell, Scholz, Nelson, Green, and Hodsdon; M. Hodges, Mr. Schulent, Miss Mandeville, and Mr. Whitmore.*

The physical education program for men includes required courses, intramural sports, intercollegiate athletics (varsity and junior varsity), and informal recreational activities.

*Physical Education 1, 2* — instruction and supervised competition in life-time and intramural sports activities in a program of physical fitness and exposure to aquatic experiences is required of all freshmen.

*Physical Education 3, 4* provides a similar program. However, the Department of Physical Education and Athletics is granted permission to waive up to one year of the requirement for physical education credit, and this may be fulfilled by meeting minimal proficiency requirements in the areas of instruction for Physical Education 1 and 2.

A semester's work failed in the first two years must be fulfilled to receive graduation credit. Selection of physical education sections must be made at the time of the regular academic course elections. Prescribed clothing, required for physical education activity classes, may be secured at the college bookstore. Lockers and towels are provided. Participation on varsity or junior varsity teams may be substituted for physical education section assignments, within the season or seasons, during the freshman and sophomore years.

The Intramural Athletic Council, composed of a representative from each participating unit, promotes athletics for men; every student is free to engage in the activities of his choice. Competition is organized in touch football, basketball, hockey, volleyball, skiing, track, squash, handball, swimming, softball, tennis, cross country, paddle ball, golf, and basketball free-throw. As interests develop the program will be increased.
The indoor Harold Alfond Arena provides artificial ice for skating. The college operates a ski area with a 1200-foot T-bar lift and a 32-meter jump convenient to the campus.

Two years of physical education are required. A faculty-student physical education committee has set up the objectives of the program, which include emphasis on life-time sports, dance, fitness, posture, and swimming skills. Twenty-eight activities are offered within the program with ski lessons, figure skating, and squash as highlights during the winter season. An extremely active Modern Dance Club provides opportunity for those students interested in this field, and a Red Cross Water Safety Instructor's Course is given annually. Intermediate and advanced levels are offered in many sports.

Sophomores who have fulfilled all the objectives of the program may apply for a waiver of the second-year requirement.

Interdisciplinary Majors

Colby offers interdisciplinary majors in American studies, ancient and medieval western studies, East Asian studies, and environmental studies. Each is administered by an advisory committee, and utilizes courses in several departments of the college.

Requirements for the major in American studies
(Adviser: Mr. Bassett)

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 special topics 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 fourteen 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.
No courses numbered below 200 may be used to satisfy major requirements.

An oral comprehensive examination to be passed in the senior year, with examiners from the disciplines of American literature, American history, and a third academic specialty.

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

**ANCIENT AND MEDIEVAL WESTERN STUDIES**

*Requirements for the major in ancient and medieval western studies*

(Adviser: Mrs. Koonce)

An area of concentration in either ancient or medieval studies at least twelve hours must be earned in the area of lesser concentration.

In history: nine hours selected from Ancient History 252, 254, 352, 353; History 231, 334, 418.

In literature: nine hours selected from Classics 232, 234; English 251, 311; Italian 211.

Either Philosophy 331 or 373.

In art and music: six hours selected from Art 121, 311, 313; Music 213, 217.

Six additional credit hours in any of the above areas, which may include special topics courses.

Three hours of coordinating seminars associated with paired courses.

A comprehensive examination or paper to be passed in the senior year.

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

**EAST ASIAN STUDIES**

*Requirements for the major in East Asian studies*

(Adviser: Mr. Critchfield)

Two years of an East Asian language, and 21 credit hours of course work in East Asian studies. These may be selected from a list available from the major adviser, and include offerings in art, East Asian studies, government, history, Japanese, modern languages, philosophy, and religion.

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

**ENVIRONMENTAL STUDIES**

*Requirements for the major in environmental studies*

(Adviser: Mr. Gilbert)

In biology: one semester course selected from 117, 135, 27...
Courses of Study

one semester course selected from 111, 118, 136; 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; one semester course selected from 112, 114, 292; and 491, 492.
In mathematics: 241 or 381.
From these three areas, a student should take two courses with laboratory.
An additional ten credit hours selected from the approved list of offerings in biology, chemistry, computer science, and mathematics.
Nine credit hours selected from the approved list of offerings in administrative science, economics, government, psychology, and sociology.
A list of courses approved for the major is available from the major adviser.
At least one January Program in environmental studies.
The point scale for retention of the major applies to all courses offered toward the major.

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.

During the academic year, this division arranges such annual conferences as the Institute for Maine Business and Industry and the Sloan Institute on Hospital and Health Administration. Each summer, in excess of 2,500 individuals from throughout the nation are on campus for courses and seminars ranging from Great Books to Occupational Hearing Loss. High-school teachers of science and mathematics attend the six-week Summer Science Institute, sponsored by Colby and the National Science Foundation. Musicians come to the campus for the Church Music Institute and the Summer School of Music, while doctors enroll in the Lancaster Courses in Ophthalmology, General Surgery, and Seminar in Nuclear Medicine.

Since 1955, the division has sponsored the Colby Telecourse to
assist teachers in Maine, New Hampshire, Vermont, and Canada to earn certificate credits.

The division is also responsible for the *January Program* and *Independent Study*.

Information may be obtained by writing to Paul D. Walker Jr., director.
Courses of Study

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); or an odd number — an independent semester course.

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

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

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

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

The letter L following a course number indicates that it represents a laboratory or other auxiliary session that may be elected, for added credits, concurrently with the course of the same number.
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 1972-73.

* An asterisk indicates that the course will probably not be offered in 1973-74.

† A dagger indicates that the course will probably be offered in 1973-74.

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.*
Administrative Science

222, 222
Principles of Accounting
M. Knight

The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society – its relationship to law, economics, and social policy. *Three credit hours.*

322
Finance
Luctor

An analytically structured approach to decision-making in the financial area. Money and capital markets are considered. *Prerequisite:* Administrative Science 221, 222 and Economics 241, 242 or special permission. *Three credit hours.*

1, 342
Advanced Accounting

Advanced study of accounting theory with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined. *Prerequisite:* Administrative Science 221, 222. *Three credit hours.*

344
Marketing
Landsman

Development of the broad concept of marketing as an all-pervasive organizational and societal function. The analytical and decision-making processes involved are studied through an introduction to quantitative techniques and the application of the social and behavioral sciences. *Prerequisite:* Administrative Science 221, 222 or Economics 241, 242. *Three credit hours.*

333
Managerial Economics
Landsman

The decision-making process examined in an economic context. *Prerequisite:* Administrative Science 221, 222 and Economics 241, 242 or special permission. *Three credit hours.*

The processes of law which underlie personal and institutional relationships. *Three credit hours.*

3 Consumer in Society
M. Knight

Consumer behavior is examined within the framework of the financial and social institutions which comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives, and decisions. *Three credit hours.*
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Enrollment</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>141, 142</td>
<td>Presents the fundamentals of representational drawing. Half the time is spent working from the figure. Out-of-class drawing is very important. No previous drawing experience is needed. Enrollment limited. <em>Three credit hours.</em></td>
<td></td>
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<tr>
<td>211d</td>
<td>An initial confrontation with problems inherent in two-dimensional image-making with paint. Characteristics of formal structure, of representation, and of materials will be explored in a systematic manner. Suggested for students anticipating future work in painting. Enrollment limited. <em>Three credit hours.</em></td>
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</tr>
<tr>
<td>221, 222</td>
<td>Emphasizes problems of form in two-dimensional structures, with some attention to the third dimension as well. The course will deal with both theoretical considerations and practical design problems. Enrollment limited. <em>Three credit hours.</em></td>
<td></td>
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</tr>
<tr>
<td>252</td>
<td>The history of architecture in western Europe and America. Course work includes problems in architectural design and analysis, and the making of models of historical buildings. <em>Three credit hours.</em></td>
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</tr>
<tr>
<td>261, 262</td>
<td>Designed to help the student to acquire a foundation in sculptural techniques of wood and stone carving and welding. It is recommended that the student take both semesters. Enrollment limited. <em>Three credit hours.</em></td>
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</tr>
<tr>
<td>271</td>
<td>Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <em>Three credit hours.</em></td>
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<tr>
<td>311</td>
<td>Architecture, sculpture, and painting from the Archaic period into Roman times. <em>Prerequisite: Art 121 or permission of the instructor. Three credit hours.</em></td>
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<tr>
<td>312</td>
<td>The art of the fifteenth and sixteenth centuries in Italy, with an emphasis on the major painters and sculptors. <em>Prerequisite: Art 121, 122 or permission of the instructor. Three credit hours.</em></td>
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</tr>
</tbody>
</table>
### 3] The 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. Formerly listed as Art 511.

*Prerequisite: Art 121, 122 or permission of the instructor.*

*Three credit hours.*

### 4] Rococo Art

The art of Europe in the seventeenth and eighteenth centuries, with emphasis on the major painters.

*Prerequisite: Art 121, 122 or permission of the instructor.*

*Three credit hours.*

### European Art since 1800

Emphasis on French painting of the nineteenth and twentieth centuries.

*Prerequisite: Art 121, 122 or permission of the instructor.*

*Three credit hours.*

### 5] Advanced Painting

An opportunity for further study in painting, using either oils or acrylics. Enrollment limited.

*Prerequisite: Art 221 and permission of the instructor, or Art 211d.*

*Three credit hours.*

### 336 Advanced Sculpture

Further use of the techniques acquired in Beginning Sculpture in developing the student's own visual ideas. Enrollment limited.

*Prerequisite: Art 261, 262.*

*Three credit hours.*

### 3] Graphic Arts

History and criticism of drawing and print-making with emphasis on European art since the Renaissance.

*Prerequisite: Art 121, 122 or permission of the instructor.*

*Three credit hours.*

### History of Independent Film

A survey of independent film, beginning with the 1920's and emphasizing American independent cinema since World War II. Comparisons will be drawn between the development of film and that of other media, notably painting and sculpture, during that period. Enrollment limited to 50 students.

*Prerequisite: Art 121, 122.*

*Three credit hours.*
### Art

371d  
**Advanced Painting**  
**Mr. Meader**

A tutorial painting situation. Open to students who have the capability in Art 331. Enrollment limited. *Three credit hours.*

**†[391]**  
**Art of Ancient India**

Special reference to Hindu and Buddhist architecture and sculpture.  
*Prerequisite:* Permission of the instructor. *Two credit hours.*

411  
**Seminar in Art Criticism**  
**Mr. Carpenter**

Primarily for senior art majors. Practice in employing criticism, method, reading, and discussion of various approaches to criticism are directed toward study of the present state of knowledge in this field. Nongraded. *Three credit hours.*

491, 492  
**Special Problems**  
**Staff**

Individual study of special problems in the practice, history, and theory of the visual arts.  
*Prerequisite:* Permission of the instructor. *One to four credit hours.*

### Biology

111  
**The Cell, Mendelian Genetics, Mechanism of Evolution**  
**Staff**

An introduction to concepts of cell structure and function, Mendelian genetics, and the mechanism of evolution. *Four credit hours.*

114  
**Vertebrate Biology: Development, Anatomy, and Organ Physiology**  
**Staff**

An introduction to the comparative anatomy and embryology of the vertebrates.  
*Prerequisite:* Biology 111 or equivalent. *Four credit hours.*

115, 116  
**Concepts in Biology**  
**Staff**

Primarily designed for students majoring in the social sciences and humanities. Each course examines a few biological concepts to some depth. The relative amounts of time spent in the field, the laboratory, or in discussion of theory vary according to the topic covered. Satisfies the laboratory science distribution requirement. Enrollment limited. *Three credit hours.*
Biology and Field Biology
Gilbert

Natural patterns of the New England landscape will be studied through field trips to selected habitats. Lectures will relate these patterns to various environmental factors. Ecological concepts underlying the philosophy of "Spaceship Earth" will be discussed. Satisfies the laboratory science distribution requirement. Enrollment limited. Three credit hours.

Biology and Population Ecology
Gilbert

Population dynamics, topics in evolution, and animal behavior. The human "Population Bomb" and its ecological consequences will be discussed. Enrollment limited. Three credit hours.

Man Evolution
Easton

The evolutionary origin of Man, through study of selected original papers and short publications. Attention given to the basic theory of evolution and the forces which are effective in the process. Enrollment limited.

Prerequisite: Permission of the instructor. Three credit hours.

Man Embryology and Production
Easton

Human reproduction, from germ cell formation through the gestation period, with attention to physiologic and anatomic changes in mother and fetus as they occur during the process. Satisfies the laboratory science distribution requirement. Enrollment limited.

Prerequisite: Permission of the instructor. Three credit hours.

Plant Biology
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. Enrollment limited. Three credit hours.

Understanding Evolution
Fowles

The scope, significance, and mechanisms of evolution. Enrollment limited. Three credit hours.

Introduction to Ecology; Introduction to Plants
Gilbert and Mr. Fowles

Part I: Introduction to ecological principles; structure of natural communities, energy-flow, and nutrient-cycling within ecosystems; population dynamics. Field trips will be taken to selected sites representative of terrestrial, fresh-water, and marine habitats.

Part II: Introductory survey of the plant kingdom, including life cycles and evolutionary relationships; physiology, morphology,
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>272</td>
<td>Cell Biology</td>
<td>Mr. Champlin</td>
<td>An introduction to the study of cellular and molecular biology with an examination of the structure and function of nuclear and cytoplasmic components with an emphasis on experimental findings. Laboratory will include instruction in basic histologic and cytochemical techniques.</td>
<td>Biology 271 or equivalent, and Chemistry 141 or 142 (may be taken concurrently).</td>
<td>Four credit</td>
</tr>
<tr>
<td>311</td>
<td>Field and Systematic Botany</td>
<td></td>
<td>Plant variation and evolution, illustrating the diversity of problems investigated by plant systematists and the variety of techniques used in studying these problems. Assembly of a plant collection is required.</td>
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<td>Four credit</td>
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<tr>
<td>313</td>
<td>Invertebrate Zoology</td>
<td>Mr. Easton</td>
<td>The morphology, physiology, and classification of the invertebrates in lecture and laboratory. The first few weeks of the semester are spent largely in the field, gaining familiarity with invertebrate fauna and preparing collections.</td>
<td></td>
<td>Four credit</td>
</tr>
<tr>
<td>314</td>
<td>Plant Metabolism, Growth and Behavior</td>
<td>Mr. Fowles</td>
<td>The essential mechanisms of plant growth and development, including photosynthesis, translocation, and enzymology will be studied.</td>
<td></td>
<td>Four credit</td>
</tr>
<tr>
<td>315</td>
<td>Physiology</td>
<td>Mr. Terry</td>
<td>An introduction to the physiological processes, including enzymatic action, respiration, permeability, muscular contraction, nervous and hormonal coordination.</td>
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<td>Four credit</td>
</tr>
<tr>
<td>317</td>
<td>Histology and Histological Technique</td>
<td>Mr. Scott</td>
<td>The structure of the cells, tissues, and organs of the vertebrate body and aspects of their function.</td>
<td></td>
<td>Four credit</td>
</tr>
<tr>
<td>318</td>
<td>Microbiology</td>
<td>Mr. Terry</td>
<td>The biology of yeast, molds, and bacteria. The aims of the course are (1) to develop general knowledge in this area and (2) to give technical training to those who will become laboratory technicians or research workers.</td>
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<td>Four credit</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Description</td>
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<tr>
<td>19</td>
<td>Biology of the Lower Plants</td>
<td>Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Four credit hours.</td>
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<tr>
<td>31</td>
<td>Bryology</td>
<td>Animal development with emphasis on experimental analysis. Four credit hours.</td>
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<tr>
<td>33</td>
<td>Ordovician Evolution</td>
<td>Origin of vertebrate form through consideration of homologies in extinct and living organisms. The laboratory will consist of examination and dissection of representative higher invertebrates and vertebrates. Four credit hours.</td>
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<tr>
<td>54</td>
<td>Marine Ecology</td>
<td>Distributional patterns within ecosystems; community structure and energetics; growth and regulation of populations, competition, and analysis of mathematical models; readings from contemporary sources will be discussed. Two credit hours.</td>
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<tr>
<td>6</td>
<td>Field and Marine Ecology</td>
<td>Field and laboratory studies of estuarine and coastal waters; quantitative sampling methods and analysis of data will be accomplished through group and individual projects. 354 must be taken together with or following 352. Two credit hours.</td>
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<tr>
<td>6</td>
<td>Field and Ecology</td>
<td>Field and laboratory studies of terrestrial and fresh-water systems. Quantitative sampling methods and analysis of data will be accomplished through group and individual projects. 356 must be taken together with or following 352. Two credit hours.</td>
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<tr>
<td>6</td>
<td>Field and Ecology</td>
<td>A trip to a south-temperate or tropical area during the spring recess. Students must cover their own travel expenses. Prerequisite: Biology 352, at least concurrently, or permission of the instructor. One credit hour.</td>
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<tr>
<td>100</td>
<td>Genetics</td>
<td>Mendelian principles and their physical basis; linkage, mutation, and the nature of the gene. The genetic mechanisms in evolution are a primary concern of the course. Formerly listed as Biology 312. Three credit hours.</td>
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<tr>
<td>190</td>
<td>Lecture and Text Material</td>
<td>Lecture and text material the same as Biology 372 but with the addition of laboratory sessions. Four credit hours.</td>
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</tbody>
</table>
### Biology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>401, 402</td>
<td>Biology Seminar</td>
<td>One credit hour for the year.</td>
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<tr>
<td>Staff</td>
<td></td>
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</tr>
<tr>
<td>491, 492</td>
<td>Special Problems</td>
<td>Normally open only to senior biology majors whose work in the</td>
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<tr>
<td>Staff</td>
<td></td>
<td>department has been of better than average quality.</td>
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<td></td>
<td></td>
<td><em>Prerequisite</em>: Special permission of the department. One to four</td>
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<td></td>
<td></td>
<td>credit hours. Credit to be arranged through consultation</td>
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<td></td>
<td></td>
<td>All courses at the 300 level have as prerequisite: Biology 272 or</td>
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<td>permission of the department.</td>
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</tbody>
</table>

### Chemistry

The course is designed as a one-semester science course without laboratory credit for nonscience majors. Chemistry is treated as a subdivision of natural philosophy rather than of technology. A small number of topics will be covered in some depth but at a level involving limited use of mathematics. Subjects covered will include atomic structure, nuclear energy, radioactivity, energy relationships, and environmental problems. 

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Topics in Chemistry</td>
<td>Selected fundamental principles in inorganic chemistry; stoichiometry;</td>
</tr>
<tr>
<td>Mr. Smith</td>
<td></td>
<td>ionic equilibria; atomic and molecular structure. (Satisfies science</td>
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<tr>
<td></td>
<td></td>
<td>distribution requirement, but not laboratory science. Three credit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>hours.</td>
</tr>
<tr>
<td>121e, 122</td>
<td>General Chemistry</td>
<td>Lecture and text material the same as 121e, 122 but with laboratory</td>
</tr>
<tr>
<td>Mr. Machemer</td>
<td></td>
<td>sessions added. First semester covers stoichiometry and ionic</td>
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<td></td>
<td></td>
<td>equilibria, with laboratory practice in introductory quantitative</td>
</tr>
<tr>
<td></td>
<td></td>
<td>analysis. Second semester: atomic and molecular structure, with the</td>
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<td></td>
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<td>laboratory devoted chiefly to systematic semimicro qualitative</td>
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<tr>
<td></td>
<td></td>
<td>analysis. Three hours of lecture, one hour of discussion, and three</td>
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<tr>
<td></td>
<td></td>
<td>hours of laboratory per week. Four credit hours.</td>
</tr>
<tr>
<td>221e, 222</td>
<td>Organic Chemistry</td>
<td>The chemistry of carbon compounds, aliphatic, aromatic, and</td>
</tr>
<tr>
<td>Mr. Reid</td>
<td></td>
<td>heterocyclic, from the point of view of synthesis, structure,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>properties, and uses.</td>
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<td></td>
<td></td>
<td><em>Prerequisite</em>: Chemistry 142. Three credit hours.</td>
</tr>
</tbody>
</table>
102, 242
Organic Chemistry
L. Reid

Lecture and text material the same as 221c, 222 but with laboratory sessions added: separations, purifications, syntheses, determination of important properties, elementary analysis. Three hours of lecture, one hour of discussion, and six hours of laboratory per week.

Prerequisite: Chemistry 142. Five credit hours.

I
Quantitative Analysis
L. Ray

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. Two hours of lecture and a minimum of six hours per week of laboratory work.

Prerequisite: Chemistry 142. Four credit hours.

2
Instrumental Analytical Chemistry
J. Machemer

Theoretical and practical instruction in special instrumental methods. Laboratory work involves potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, gas chromatography, and radio chemistry. Two hours of lecture, one hour of discussion, and five hours of laboratory per week.

Prerequisite: Chemistry 331, 342; Mathematics 122d. (Chemistry 342 may be taken concurrently.) Four credit hours.

1, 342
Physical Chemistry
L. Ray

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. Three hours of lecture, one hour of discussion, and five hours of laboratory per week.

Prerequisite: Chemistry 331; Mathematics 122d (may be taken concurrently with Chemistry 341); Physics 122. Five credit hours.

1
Organic Chemistry
J. Smith

Current models and concepts of inorganic chemistry with emphasis on both reaction and structural aspects, including nuclear chemistry, acid-base theory, chemical bonding, periodic properties, and coordination compounds. Three hours of lecture per week.

Prerequisite: Chemistry 342. Three credit hours.
431
Qualitative Organic Analysis
Mr. Reid

The systematic identification of organic compounds. Two hours of lecture, six hours of laboratory per week.

Prerequisite: Chemistry 332, 342. Four credit hours.

432
Advanced Organic Chemistry
Mr. Reid

Advanced topics, varied to suit the needs of the students: alcylics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Two hours of lecture per week.

Prerequisite: Chemistry 242. Two credit hours.

434
Advanced Physical Chemistry
Mr. Smith

Important topics in molecular structure and behavior are discussed from a rigorous point of view. The material can be varied to suit the needs of the student in areas of elementary quantum mechanics, symmetry and group theory, molecular spectroscopy, and statistical mechanics. Three hours of lecture per week.

Prerequisite: Chemistry 342. Three credit hours.

467, 468
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 reaction mechanisms. Three hours of lecture, one hour of discussion, and three hours of laboratory per week. Biology 111 and 114 are recommended as preparation.

Prerequisite: Chemistry 242. Four credit hours.

491, 492
Special Topics
Staff

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

Classics (IN TRANSLATION)

In the Department of Classics

These courses require no knowledge of Latin or Greek. Attention is called also to courses in Ancient History.

133
Introduction to Greek Thought
Mrs. Koonce and Mr. Westervelt

A study of some aspects of Greek culture, to include Homer's Odyssey, selections from Hesiod and the elegiac and lyric poetry of Aeschylus, and the Electra of Euripides, with readings in Herodotus, Thucydides, and Plato. Discussions to focus particu
attention on changing attitudes toward vengeance and justice from Homer to Plato and on the rise of the individual that culminated in the creation of Athenian democracy. *Three credit hours.*

34d1

Early Greek Poetry
R. Westervelt

Greek tragedy with particular emphasis on the *Oresteia* of Aeschylus, the *Oedipus* of Sophocles, and the *Hippolytus* of Euripides. Open to freshmen with permission of the instructor. *Three credit hours.*

34d2

Greek Drama
R. Westervelt

The *Iliad* and the *Odyssey* of Homer in the light of the techniques of oral poetry. *Three credit hours.*

**Comparative Literature**

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

21, 322]

Forms of the Novel

The psychological novel, tracing its development from early forms through works of the twentieth century. Representative major works of various countries will be studied in English. *Three credit hours.*

48]

Literary Movements

Studies in the anti-hero from Childe Harold to his leather-jacketed descendents of the 1950's. *Three credit hours.*

**Computer Science**

*IN THE DIVISION OF NATURAL SCIENCES*

2d

Introduction to the Computer
C. Shaw

Seminar on present and potential uses of computers in a technological society: their applicability to education, libraries, natural and social sciences, business, and humanities. Practical experience in computer use through doing simple, illustrative problems. Enrollment limited. *Two credit hours.*
East Asian Studies
OFFERED BY THE DEPARTMENTS OF ART, HISTORY AND GOVERNMENT, MODERN FOREIGN LANGUAGES, AND PHILOSOPHY AND RELIGION

491, 492
Special Topics
staff
Individual study of special problems in East Asian civilization offered in the departments which participate in the program.
Prerequisite: Permission of the instructor and the program chairman. Three credit hours.

Economics

241c, 242
Principles of Economics
staff
Principles of economics and their applications to modern economic life. Open to freshmen with permission of the department.
Three credit hours.

321, 322
Economics of Government
Regulation
mr. cox
Economic power in a private enterprise economy and the role of government in this context. An examination of selected industries.
Prerequisite: Economics 241, 242. Three credit hours.

331
Intermediate Economic
Theory
mr. dunlevy
Theoretical concepts involved in the determination of price and output in a market economy. Analysis of both commodity and factor markets will be undertaken.
Prerequisite: Economics 241, 242. Three credit hours.

†334
Economic Development
The developing areas and their drive toward economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process.
Prerequisite: Economics 241, 242. Three credit hours.

336
Modern Theory of Income
Determination
mr. cox
Aggregate economic analysis, with emphasis upon the Keynesian theory of the determination of income and employment. Examination of recent post-Keynesian developments and critical analysis of historical development of the theory and policies associated with it.
Prerequisite: Economics 241, 242. Three credit hours.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>41, 342</td>
<td>MONEY AND BANKING</td>
<td>The role of money, credit, and banking in the American economy, and the applicability of monetary policy to the problems of economic stability.</td>
<td>Economics 241, 242. Three credit hours.</td>
</tr>
<tr>
<td>52</td>
<td>FISCAL POLICY</td>
<td>The theory and policy of economic stabilization, the goals of stabilization policy and the use of the federal budget to achieve them. The Phillips curve and the use of direct controls. The role of intergovernmental fiscal relations will also be considered. Formerly included in Economics 323, 324.</td>
<td>Economics 241, 242. Three credit hours.</td>
</tr>
<tr>
<td>51, 362</td>
<td>abor ECONOMICS</td>
<td>Important current issues involving utilization of human resources in both union and non-union labor markets, emphasizing problems of public policy, with respect to such questions as collective bargaining, national wage policy, unemployment, manpower planning, economic aspects of discrimination.</td>
<td>Economics 241, 242. Three credit hours.</td>
</tr>
<tr>
<td>172</td>
<td>EUROPEAN ECONOMIC HISTORY</td>
<td>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.</td>
<td>Economics 241, 242. Three credit hours.</td>
</tr>
<tr>
<td>74</td>
<td>AMERICAN ECONOMIC HISTORY</td>
<td>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.</td>
<td>Economics 241, 242. Three credit hours.</td>
</tr>
<tr>
<td>31, 382</td>
<td>INTERNATIONAL ECONOMICS</td>
<td>The nature of international economic relations, including the theory of international trade, international monetary analysis, monetary reform, capital movements and unilateral transfers.</td>
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</tr>
</tbody>
</table>
commodity agreements and cartels, international economic organizations.

*Prerequisite: Economics 241, 242. Three credit hours.*

†[391]
**Comparative Economic Systems**

The basic types of economic systems, with special attention to the problems of economic planning and economic development. Emphasis is on Western Europe, Japan, the Soviet Union, and China.

*Prerequisite: Economics 241, 242. Three credit hours.*

†[394]
**Introduction to Econometrics**

Introduction to the empirical testing of economic relationships. Regression theory, multiple regression, the least-squares assumptions, errors in the variables, serial correlation, and other problems. Simultaneous equations, identification, various estimation techniques.

*Prerequisite: Economics 241, 242 and Mathematics 241 or 38. Three credit hours.*

411
**History of Economic Thought**

Mr. Gemery

An examination and appraisal of the development of economic theory. Major writing from the Mercantilist period through Keynesian is included. Extensive use of source material. Requires of all majors.

*Prerequisite: Economics 241, 242 and senior standing. Three credit hours.*

491, 492
**Special Topics in Economics**

Staff

Independent study devoted to a topic chosen by the student with the approval of the department. Open only to senior majors economics. *One to four credit hours.*

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**Education**

213
**Sociology of Education**

Mr. Jacobson

The role of human relations in education. One hour daily to served as an assistant teacher in a local elementary school. Open to prospective teachers; required for certification.

*Prerequisite: Permission of the instructor. Three credit hours.*
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Developmental Psychology</td>
<td>Listed as Psychology 252 (q.v.). Required for certification. Three credit hours.</td>
</tr>
<tr>
<td>Zohner</td>
<td>Optional adjunct to Psychology 252. One hour daily to be served as an assistant teacher in a local elementary school. Nongraded. Prerequisite: Concurrent enrollment in Psychology 252 and permission of the instructor. One credit hour.</td>
</tr>
<tr>
<td>LD Experience in Education</td>
<td>The history and government of American educational systems. Open to prospective teachers: required for certification. Formerly listed as Education 214. Three credit hours.</td>
</tr>
<tr>
<td>Pestana</td>
<td>One hour daily to be served as an associate teacher in a local junior high school. 353 required for all students in education program. Nongraded. Prerequisite: Concurrent enrollment in Philosophy 333 or Education 336 and permission of the instructor. One credit hour.</td>
</tr>
<tr>
<td>Philosophy of Education</td>
<td>The teaching-learning process. Required field experience: one hour daily in a local high school as a teaching aide during first semester. Open to prospective secondary-school teachers; these courses and full-time teaching internship during January required for certification. Nongraded. Prerequisite: Permission of the instructor. Three credit hours.</td>
</tr>
<tr>
<td>Hudson</td>
<td>Optional adjunct to Education 442. One hour daily to be served as a teaching aide in a local high school. Nongraded. Prerequisite: Concurrent enrollment in Education 442 and permission of the instructor. One credit hour.</td>
</tr>
<tr>
<td>Story and Government of Education</td>
<td>Independent study of advanced topics and areas of individual interest in research and development. Prerequisite: Permission of the instructor. One to three credit hours.</td>
</tr>
<tr>
<td>Jacobson</td>
<td></td>
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</tbody>
</table>
English

111, 112, 113, 114
ENGLISH FUNDAMENTALS
MR. ARNOLD
Courses offering 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. Nongrade.
Prerequisite: Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111, 112, 113, 114. Three credit hours.

115
ENGLISH COMPOSITION
MR. KENNEY AND STAFF
Frequent practice in expository writing. Emphasis will be on the rhetorical modes of organization and the development of analysis and argument. Three credit hours.

116
EXPOSITORY WRITING
MR. ARNOLD
For those who desire further practice in the fundamentals of composition.
Prerequisite: English 115 or exemption. Three credit hours.

118
CREATIVE WRITING
MR. GILLESPIE
Introduction to the writing of poetry, with emphasis upon student manuscripts.
Prerequisite: English 115 or exemption. Three credit hours.

[131d]
GENERAL SPEECH
Fundamental principles of the composition and oral delivery of speeches. Two credit hours.

152d
INTRODUCTION TO LITERATURE
MR. MACKAY AND STAFF
An introduction to the analytic study of the structure and meaning of major works of literature. Particular attention will be paid to ways in which a nonrational rhetoric of imagery and paradox may communicate emotions, intuitions, and insights. May be repeated once for added course credit with departmental permission.
Prerequisite: English 115 or exemption. Three credit hours.

[211]
INTRODUCTION TO LITERATURE IN ENGLISH
Literature in the English language (medieval through Renaissance) through a study of selected English authors.
Prerequisite: English 152. Three credit hours.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
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</table>
| Introduction to Literature | Literature in the English language (eighteenth through twentieth centuries) through a study of selected English authors.  
*Prerequisite:* English 152. Three credit hours. |
| Advanced Expository Prose | Weekly assignments in some of the popular forms of prose: the personal essay, the formal essay, the popular article, and the critical review.  
*Prerequisite:* Permission of the instructor; enrollment limited. Three credit hours. |
| Documentation and Debate | Principles of argumentation with application in extended persuasive speeches and formal debate.  
*Prerequisite:* English 131 or permission of the instructor. Three credit hours. |
| Introduction to Old and Middle English Literature | Readings will consist of *Beowulf* and other old English elegiac and heroic poetry, old and middle English religious and secular lyrics, and *The Canterbury Tales*.  
*Prerequisite:* English 152 or 211. Three credit hours. |
| Introduction to the English Renaissance | An exploration of the nature of the English Renaissance through a study of its prose and poetry. Consideration will be given to the major literary traditions and to selected works of Marlowe, More, Shakespeare, Sidney, Spenser, Surrey, Wyatt.  
*Prerequisite:* English 152 or 211. Three credit hours. |
| Introduction to the Poetry of the Seventeenth Century | The major poetic and intellectual traditions in the seventeenth century as represented by Donne, Jonson, Herbert, Marvell, Dryden, and selected minor poets.  
*Prerequisite:* English 152 or 211. Three credit hours. |
| Introduction to Eighteenth-Century Literature | Selected works of Pope, Swift, Johnson, Blake, and other major writers of the eighteenth century.  
*Prerequisite:* English 152 or 211. Three credit hours. |
| Introduction to Romanticism | The major Romantic poets, with ancillary reading in the essay, novel, and minor poetry of the period.  
*Prerequisite:* English 152 or 211. Three credit hours. |
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Credits</th>
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<tbody>
<tr>
<td>271d</td>
<td>Introduction to American Literature</td>
<td>Major American authors — primarily from the nineteenth century — with particular consideration given to the development of an American tradition in poetry and fiction.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>273</td>
<td>Introduction to Victorian Literature</td>
<td>An introduction to the period and its literature through a study of Victorian comic traditions. Emphasis will be placed on novel, periodical literature, drama, and nonsense.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>311d2</td>
<td>Studies in Medieval Literature</td>
<td>Chaucer's development of his continental sources with special attention to Troilus, &quot;The Knight's Tale,&quot; The Parliament, and The House of Fame.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>[312]</td>
<td>Studies in the Renaissance</td>
<td>The poetry of Edmund Spenser. Attention will be focused on The Faerie Queene and the problem of Renaissance epic.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>315d2</td>
<td>Studies in the Seventeenth Century</td>
<td>An exploration of the relationships between Tudor-Stuart and Restoration drama. Among the dramatists studied will be Marlowe, Jonson, Webster, Milton, Dryden, Shadwell, Otway, and Congreve.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>317</td>
<td>Introduction to Shakespeare</td>
<td>Lectures on major comedies, histories, and tragedies, selected to cover Shakespeare's career and to illustrate the nature of Shakespearean drama.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>318</td>
<td>Studies in Shakespeare</td>
<td>Intensive reading of the histories and tragedies or of selected comedies, with special attention to Shakespeare's development as a dramatist and to his relation with his contemporaries.</td>
<td>English 317. Three credit hours.</td>
<td>3</td>
</tr>
<tr>
<td>319</td>
<td>Milton</td>
<td>Milton's poetry and prose.</td>
<td>English 152 or 211. Three credit hours.</td>
<td>3</td>
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<tr>
<td>Course Title</td>
<td>Description</td>
<td>Prerequisite</td>
<td>Credit Hours</td>
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<tr>
<td><strong>The Eighteenth Century</strong></td>
<td>The development of the novel as a major art form. Readings in Defoe, Richardson, Fielding, Smollett, Sterne, and others.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
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</tr>
<tr>
<td><strong>Romanticism</strong></td>
<td>Romanticism viewed as the ancestor of Existentialism. Readings in the novel and the drama of England, France, Russia, and Germany.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
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</tr>
<tr>
<td><strong>Victorian Literature: Art, Artist, and Science</strong></td>
<td>This study of verbal and visual arts in the nineteenth century will attempt to define Victorian expectations and practices in viewing and creating &quot;art.&quot; Emphasis in the verbal arts will be on poetry; Victorian writings on the visual arts will also be read.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
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</tr>
<tr>
<td><strong>Early American Authors</strong></td>
<td>Selected prose and poetry from the Puritan period, the Age of Reason, and the pre-romantic movement in American literature.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
<td></td>
</tr>
<tr>
<td><strong>American Realism and Naturalism</strong></td>
<td>The development of fictional techniques in America during the late nineteenth and early twentieth centuries. Readings will be drawn from the following authors: Twain, James, Crane, Howells, Norris, Garland, and Dreiser.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
<td></td>
</tr>
<tr>
<td><strong>Introduction to American Studies: English Basset and Brancaccio</strong></td>
<td>A study of a selected aspect of American culture and life, employing the tools of other academic disciplines to supplement the basic literary orientation of the instructor. May be repeated once for added course credit with departmental permission.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
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</tr>
<tr>
<td><strong>Ardian Literature</strong></td>
<td>The intellectual, social, and artistic turmoil of the transitional years, 1880-1920; readings will be selected from the works of Ford, Conrad, Forster, Lawrence, Wilde, and Yeats.</td>
<td>English 152 or 211</td>
<td>Three credit hours</td>
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<tr>
<td>Course No.</td>
<td>Course Title</td>
<td>Description</td>
<td>Prerequisite</td>
<td>Credit Hours</td>
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</tr>
<tr>
<td>352</td>
<td>Contemporary American Fiction</td>
<td>Lectures covering the fiction of Fitzgerald, Hemingway, Faulkner, Dos Passos, Steinbeck, Warren, Mailer, Bellow, Barth, and others with emphasis upon the pattern of fictional experience of the hero in conflict with the modern world.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
<tr>
<td>353</td>
<td>Twentieth-Century Poetry: The Modern Tradition</td>
<td>Lectures on the beginnings of modern poetry, the Imagist movement, and the poetry of the Thirties and Forties. Special attention will be given to the major poetic works of Yeats, Eliot, Pound, Frost, and Thomas.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
<tr>
<td>354</td>
<td>Contemporary British Fiction</td>
<td>Lectures on the British novel since World War I, emphasizing the works of Virginia Woolf and D. H. Lawrence and considering such other writers as Aldous Huxley, Graham Greene, Joyce Cary, William Golding, and Iris Murdoch.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
<tr>
<td>[355]</td>
<td>Twentieth-Century Poetry: Mid-Century</td>
<td>Lectures on contemporary directions of poetry. Special attention will be given to the Black Mountain poets, the San Francisco Renaissance, the Movement in Britain. Some individual poets to be read are Robert Lowell, Theodore Roethke, William Carlos Williams (later work), Philip Larkin, and Sylvia Plath.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
<tr>
<td>357, 358</td>
<td>Modern Drama</td>
<td>The Modern Theatre in America and Europe, approached through critical reading and discussion of outstanding plays of the late nineteenth and twentieth centuries, with lectures on important theatrical movements of the times. Qualified students may be admitted to the second semester without the first.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
<tr>
<td>371</td>
<td>Studies in Criticism</td>
<td>The development of modern criticism from several theoretical viewpoints: Marxist, Freudian, Jungian, and New Critical.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
<tr>
<td>373</td>
<td>History of the Language</td>
<td>English language changes involving sound, spelling, syntax, inflection, and vocabulary from Anglo-Saxon times to the present. Course materials will consist of a basic historical text.</td>
<td>English 152 or 211</td>
<td>Three</td>
</tr>
</tbody>
</table>
mented by illustrative selections from English and American literature.

*Prerequisite:* English 152 or 211. *Three credit hours.*

### Black American Literature

<table>
<thead>
<tr>
<th>Brancaccio</th>
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</thead>
<tbody>
<tr>
<td>The writings of Black Americans from the beginnings to the present, with special emphasis on autobiography and fiction.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> English 152 or 211. <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>

### Advanced Fiction Workshop

<table>
<thead>
<tr>
<th>Gillespie</th>
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<tbody>
<tr>
<td>Practice in the writing of short stories with major emphasis upon student manuscripts.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> English 118 or permission of the instructor. <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>

### Advanced Poetry Workshop

<table>
<thead>
<tr>
<th>Gillespie</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practice in the writing of poetry with major emphasis upon student manuscripts.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> English 118 or permission of the instructor. <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>

### Analytical Interpretation

<table>
<thead>
<tr>
<th>Witham</th>
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<tbody>
<tr>
<td>Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> English 152 or 211. <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>

### Teaching of English

<table>
<thead>
<tr>
<th>Hunt</th>
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<tbody>
<tr>
<td>Reading and discussion of current issues and methods in the teaching of English, and participation in the Center for Coordinated Studies. Nongraded.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> Concurrent enrollment in Education 441 or permission of the instructor. <em>Three credit hours.</em></td>
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</tbody>
</table>

### Major American Romantics

<table>
<thead>
<tr>
<th>Cary</th>
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<tbody>
<tr>
<td>The golden age of romanticism in American literature. First semester: representative works of Poe, Emerson, Thoreau; second semester: Whitman, Melville, Hawthorne.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> English 152 or 211. <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>

### Topics in Literature

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<tr>
<td>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.</td>
</tr>
<tr>
<td><em>Prerequisite:</em> Permission of the chairman. <em>Three credit hours.</em></td>
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</table>

### Topics in English and American Literature

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<tbody>
<tr>
<td>Topics which change each semester may cover an author, a genre, or a literary movement.</td>
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<tr>
<td><em>Prerequisite:</em> Permission of the department. <em>Three credit hours.</em></td>
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</tbody>
</table>
French

**IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
</table>
| 111, 112 | **Elementary French**

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of tape materials in the language laboratory is a regular part of the class work. Class meets daily Monday through Friday. *Four credit hours.* |

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
</table>
| 113, 114 | **Intermediate French**

Continued practice in the oral-aural skills; increasing emphasis on reading (short stories) and writing. These studies, and the review of grammar, are supplemented with drill work in the laboratory.

*Prerequisite:* French 112 or two years of high-school French and appropriate score on the placement test. *Three credit hours.* |

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
</table>
| 123, 124 | **Advanced French**

Advanced work in all aspects of French: grammar, oral and written composition, analytical reading. Focus is on language, but materials deal largely with French civilization. May be taken concurrently with French 125, 126.

*Prerequisite:* French 114 or three years of high-school French and appropriate score on the placement test. *Three credit hours.* |

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
</table>
| 125, 126 | **Introduction to French Literature**

Introduction to French literature through the reading of select masterpieces illustrative of the major genres. Intensive reading and *analyse de texte.*

*Prerequisite:* 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. *Three credit hours.* |

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
</table>
| 211d    | **French Composition**

Extensive practice in oral and written composition; some translation from English to French. Attention to some finer points of grammar and elements of style.

*Prerequisite:* French 126 or permission of the instructor. *Three credit hours.* |
5, 222
FRENCH AUTHORS

Thematically grouped works of major French authors and critical and background materials. Two lectures and one discussion period per week.

Prerequisite: French 126 or the equivalent. Open only to sophomore majors in French. Four credit hours.

5, 242
TEMPORARY FRENCH LITERATURE

Introduction to literature of the twentieth century, with representative works in prose, poetry, and theatre.

Prerequisite: French 126. Three credit hours.

3, 344
HENTH THOUGHT OF THE EIGHTEENTH CENTURY
KELLENBERGER

The philosophical movement in France, with particular attention to Montesquieu, Voltaire, Diderot, and Rousseau. Literary history of the age with readings from important works in the field of belles-lettres.

Prerequisite: French 242 or permission of the instructor. Three credit hours.

1, 362
DIES IN THE FRENCH NOVEL
BUNDY

Some of the major French novelists, grouped usually by theme, period, or genre.

Prerequisite: French 126 or equivalent. Three credit hours.

63, 364
DIES IN FRENCH POETRY

Some of the major French poets, grouped usually by theme, period, or movement.

Prerequisite: French 126 or equivalent. Three credit hours.

65, 366
DIES IN FRENCH THEATRE

Some of the major French poets, grouped usually by theme, period, or genre.

Prerequisite: French 126 or equivalent. Three credit hours.

TEACHING OF MODERN LANGUAGE TEACHING

Problems and methods of teaching French. 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: French 222 or 242. Three credit hours.

DIES IN MODERN LANGUAGE TEACHING

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in French 411; nongraded. Two 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
Topics in French Literature
Staff

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

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

493, 494
Seminar in French Literature
Staff

Topics which change each semester may cover an author, a genre, or a literary movement.

Prerequisite: Permission of the instructor. Three credit hours.

---

Geology

112
Oceanography I
Mr. Pestana

A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents, and other important dynamical features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. Three credit hours.

114
Oceanography II
Mr. Pestana

Course 112, supplemented by laboratory experience and by field trips to nearby oceanographic institutes and to the seashore. Enrollment limited to twenty-five students. Four credit hours.

121e, 122
Introduction to Geological Science (I)1
Mr. Koons

The physical and biological evolution of the earth, with emphasis on mechanisms and processes. Satisfies science distribution requirement but not laboratory science. Three credit hours.

141e, 142
Introduction to Geological Science (II)1
Mr. Allen

The physical and biological evolution of the earth, with emphasis on mechanisms and processes; laboratory and field sessions. Enrollment limited to one laboratory section of 25 to 30 students recommended for those planning to major in geology or environmental studies. Four credit hours.

1Of the year sequences 121e, 122, 141e, 142, 161e, 162, not more than one sequence may be offered for course credit.
Problems in Geology

A study of 8 to 10 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. One section deals with environmental problems; enrollment limited to 20 to 25 students per section. Three credit hours.

Sedimentation and Sedimentary Rocks

Mechanical and chemical processes of sedimentation, environments, methods of mechanical analysis of sediments, and a description and classification of the sedimentary rocks. Four credit hours.

Interpretation and Morphology 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.

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

Logic Structures and Field Methods

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

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

Vertebrate Paleontology

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

Prerequisite: For 261: Geology 122 or 142 or 162 or one year of biology; for 262: Geology 261 or Biology 313. Four credit hours.

The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned.

Prerequisite: Geology 122 or 142 or 162. Three credit hours.

Of the year sequences 121e, 122, 141e, 142, 161e, 162, not more than one sequence may be offered for course credit.
281, 282
Mineralogy
Mr. 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.

Prerequisite: Chemistry 141 (may be taken concurrently) or permission of the instructor. Four credit hours.

†[292]
Meteorology
Physical properties of the atmosphere; the origin and classification of weather types; air mass analysis and principles of prediction; and meteorology of air quality. Does not satisfy the science requirement. Two credit hours.

321, 322
Igneous and Metamorphic Petrology
Mr. Allen
Hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin.

Prerequisite: Geology 282. Four credit hours.

†[352]
Stratigraphy
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 samples.

Prerequisite: Geology 212, and Geology 261 or Biology: Four credit hours.

491, 492
Special Problems in Geology
Staff
Field and laboratory problems in geology or environmental problems, with regular reports and a final written report.

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

German

In the Department of Modern Foreign Languages

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

111, 112
Elementary German
Staff
Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of tape materials in the language laboratory is a regular part of the course.
### 114
**Intermediate German**

Continued practice in the oral-aural skills; increasing emphasis on reading and writing through use of modern prose and poetry. These studies, and the review of grammar, are supplemented with drill work in the laboratory.

*Prerequisite:* German 112 or two years of high-school German and appropriate score on the placement test. *Three credit hours.*

### 126
**Introduction to German Literature**

Introduction to German literature through the reading of selected masterpieces. In-depth study of selected works with collateral readings.

*Prerequisite:* German 114 or three years of high-school German and appropriate score on the placement test. *Three credit hours.*

### 128
**Workshop in German**

Concentrated practice in oral and written German.

*Prerequisite:* German 114. *Two credit hours.*

### 333
**Nineteenth-Century Theatre**

Representative works of the major dramatists of the nineteenth century.

*Prerequisite:* German 126 or 216. *Three credit hours.*

### 5
**Anticlimax**

Representative works of Holderlin, Novalis, Tieck, August Wilhelm Schlegel, Friedrich Schlegel, Eichendorff, and E. Th. A. Hoffmann.

*Prerequisite:* German 126 or 216. *Three credit hours.*

### 6
**The Novelle**

Extensive readings in the novelle of the nineteenth century.

*Prerequisite:* German 126 or 216. *Three credit hours.*
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Prerequisite: German 126 or 216. Three credit hours.</th>
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</thead>
<tbody>
<tr>
<td>†[338]</td>
<td>Nineteenth-Century Poetry</td>
<td>Selected poems of the major poets of the nineteenth century.</td>
</tr>
<tr>
<td>343, 344</td>
<td>German Literature of the Eighteenth Century</td>
<td>The literature of the classical period: Klopstock, Wieland, Herder, Lessing, Goethe, and Schiller. Emphasis on a detailed study of the masterpieces of Goethe and Schiller.</td>
</tr>
<tr>
<td>Mr. Kueter and Mr. Bither</td>
<td></td>
<td>Prerequisite: German 126 or 216. Three credit hours.</td>
</tr>
<tr>
<td>†[347, 348]</td>
<td>Contemporary German Literature</td>
<td>Leading literary trends from naturalism to the new realism, with emphasis on the contribution of expressionism. Reading and interpretation of representative works of Thomas Mann, Hesse, v. Hofmannsthal, Werfel, Kafka, E. Junger, and others. An attempt is made to trace the effects of the past two wars on German literature.</td>
</tr>
<tr>
<td>411</td>
<td>Teaching of Modern Foreign Languages</td>
<td>Problems and methods of teaching German. 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.</td>
</tr>
<tr>
<td>Mr. Biron</td>
<td></td>
<td>Prerequisite: German 126, 215, or 216. Three credit hours.</td>
</tr>
<tr>
<td>411-L</td>
<td>Language Teaching staff</td>
<td>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in German 411. Conducted in English; nongraded. Two credit hours.</td>
</tr>
<tr>
<td>491, 492</td>
<td>Topics in German Literature</td>
<td>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.</td>
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<tr>
<td>Staff</td>
<td></td>
<td>Prerequisite: Permission of the instructor. Two to four credit hours.</td>
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<tr>
<td>[493], 494</td>
<td>Seminar in German Literature</td>
<td>Topics may vary from year to year, and may cover an author, genre, or a literary movement. In 1971-72, the topic for 494 was Goethe's Faust.</td>
</tr>
<tr>
<td>Mr. Schmidt</td>
<td></td>
<td>Prerequisite: Permission of the instructor. Three credit hours.</td>
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</table>
# Government

**IN THE DEPARTMENT OF HISTORY AND GOVERNMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>1, 132</td>
<td>Introduction to a Study the Political Order</td>
<td>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. <em>Three credit hours.</em></td>
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<tr>
<td>5</td>
<td>Approaches to the Political Order — East and West</td>
<td>A comparative study of approaches to the political order exemplified in the writings of thinkers from East and West. Their interpretations and theorizations of the origin of the state, the purpose of government, the ideal state, desirable scope of political authority, the role of the individual, and other significant problems will be examined. <em>Three credit hours.</em></td>
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<tr>
<td>5</td>
<td>Political Modernization in East Asia</td>
<td>The major factors contributing to political change, the problems encountered in the process of modernization, and the prospects of establishing viable democratic political systems in East Asian countries. General theories of political modernization will be analyzed and tested in case studies. <em>Three credit hours.</em></td>
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<tr>
<td>5</td>
<td>Theories of Comparative Government</td>
<td>The nature and validity of the principal approaches to comparative government. The course will deal with such topics as: constitutionalism, totalitarianism, systems analysis, structural functionalism, political culture, political parties, and political change. <em>Three credit hours.</em></td>
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<tr>
<td>5</td>
<td>European Politics</td>
<td>Britain, France, and West Germany viewed in terms of the relationship between political culture and political structure. <em>Prerequisite:</em> Government 233 or equivalent, or permission of the instructor. <em>Three credit hours.</em></td>
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<tr>
<td>5</td>
<td>Evolution of Political Institutions in East Asia</td>
<td>The development of political institutions in premodern China and Japan, exploring the effects of social and economic patterns upon the structure of governmental institutions and vice versa. <em>Three credit hours.</em></td>
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<td>Course</td>
<td>Title</td>
<td>Instructor</td>
<td>Description</td>
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<tr>
<td>257</td>
<td>THE AMERICAN PRESIDENCY</td>
<td>MR. MAISEL</td>
<td>The growth, scope, and limitations of the powers of the federal executive in American politics. Analytical themes will be developed through detailed examinations of presidential decision-making during the Truman, Eisenhower, Kennedy, Johnson, Nixon administrations. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>258</td>
<td>THE AMERICAN CONGRESS</td>
<td>MR. MAISEL</td>
<td>Legislative politics at the federal level. Topics will include congressional politics; the relationship of congressmen with their constituents, interest groups, and the executive branch; the committee system; seniority; party leadership; and the role of the congress vis-a-vis the other branches of our national government. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>314</td>
<td>AMERICAN CONSTITUTIONAL LAW</td>
<td>MR. MAVRINAC</td>
<td>The United States Supreme Court and constitutional litigation as part of the American political process. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>321, 322</td>
<td>POLITICAL THEORY</td>
<td>MR. MAVRINAC</td>
<td>Some of the principal western approaches to the nature of political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>†[333]</td>
<td>TOTALITARIAN GOVERNMENT AND POLITICS</td>
<td></td>
<td>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. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>335</td>
<td>INTERNATIONAL RELATIONS</td>
<td>MR. WEISSBERG</td>
<td>Principles of international politics, stressing such topics as balance of power, collective security, diplomacy, and national interests. <em>Three credit hours.</em></td>
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<tr>
<td>†[336]</td>
<td>INTERNATIONAL ORGANIZATION</td>
<td></td>
<td>The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. <em>Three credit hours.</em></td>
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<tr>
<td>338</td>
<td>INTERNATIONAL LAW</td>
<td>MR. WEISSBERG</td>
<td>The body of rules and principles of behavior which govern states in their relations with each other, as illustrated in cases and texts. <em>Three credit hours.</em></td>
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<td>Course Code</td>
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<tr>
<td>0375</td>
<td>GERMAN POLITICS</td>
<td>The political institutions of the German Federal Republic (West Germany). The course will also deal with politics during the Weimar and Hitler periods but will emphasize contemporary Germany. <em>Three credit hours.</em></td>
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<tr>
<td>0354</td>
<td>PARTIES AND THE ELECTORAL PROCESS</td>
<td>An analysis of partisan politics and elections, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. <em>Three credit hours.</em></td>
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<tr>
<td>0367</td>
<td>RECENT ASIAN POLITICAL THOUGHT</td>
<td>Analysis of works by the leading political thinkers of China and Japan. Major writings will be read in translation for class discussion. <em>Three credit hours.</em></td>
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<tr>
<td>0358</td>
<td>CHINESE FOREIGN POLICY</td>
<td>The underlying assumptions and objectives of Chinese foreign policy, the dynamics of the decision-making process in this area, the effect of ideology and institutions upon foreign policy and the conduct of foreign relations. <em>Three credit hours.</em></td>
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<tr>
<td>1077</td>
<td>SPECIAL PROBLEMS IN LOCAL GOVERNMENT</td>
<td>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. <em>Three credit hours.</em></td>
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<tr>
<td>3862</td>
<td>POLITICAL INSTITUTIONS OF MODERN CHINA</td>
<td>The political structure in mainland China in the twentieth century, with special emphasis on theory and practice, the role of political parties, distribution of authority, and the dynamics of the decision-making process. <em>Three credit hours.</em></td>
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<tr>
<td>3917</td>
<td>PUBLIC ADMINISTRATION</td>
<td>The politics of American bureaucracy, centering on the bureau chief and his relationships with other components of our political system: the president and his supporting staff; the congress and its committees; the courts; interest groups; parties; and the communications media. <em>Three credit hours.</em></td>
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<tr>
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<td>Credits</td>
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<tr>
<td>393</td>
<td>State and Local Government</td>
<td>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. Formerly listed as Government 39.</td>
<td>Three</td>
</tr>
<tr>
<td>[398]</td>
<td>Comparative Foreign Policies</td>
<td>Comparative study of the impact of institutional structure ideology, various definitions of national aims, and competing military, intelligence, and diplomatic institutions on the formation of foreign policy and the international behavior of the major powers.</td>
<td>Three</td>
</tr>
<tr>
<td>414d1</td>
<td>Seminar in Comparative Politics</td>
<td>A comparative analysis of the political &quot;machine&quot; phenomenon in the United States, Europe, and the Third World, with a view towards generating and evaluating comparative propositions about this form of political life.</td>
<td>Three</td>
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</tbody>
</table>
| [+416]      | Seminar in East Asian Thought and Institutions   | Discussions, research, and reports on selected problems of Chinese and Japanese political thought and governmental structure.  
*Prerequisite: At least one government or history course related to China or Japan, or permission of the instructor.* | Three   |
| 435         | Seminar in American National Government and Politics | The American national government as organization and process and the elements of national political life.  
*Prerequisite: Permission of the instructor.* | Three   |
| [+436]      | American Politics Seminar: Voting Behavior       | An intensive examination of the social and psychological determinants of voting behavior. | Three   |
| 457d2       | Foreign Policy of the United States              | Problems of planning and executing American foreign policy  
*Prerequisite: Government 335 or equivalent or permission of the instructor.* | Three   |
Seminars on the United Nations

This seminar will be conducted in the form of the United Nations Security Council as presently constituted. Case studies on issues involving maintenance and restoration of international peace and security will be placed on the agenda. Each participant will assume the role of a UN representative in order to resolve the dispute.

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

Topics in Government

A study of government through special topics.

Prerequisite: Government major and special permission of the department chairman. *Three credit hours.*

Minar in Contemporary Political Problems

A seminar in some contemporary problems in political thought and practice.

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

Greek

In the Department of Classics

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

Further readings in Homer. *Three credit hours.*

Plato: *Apology, Crito,* selections from the *Phaedo.* *Three credit hours.*

Thucydides. *Three credit hours.*
<table>
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<tr>
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<tbody>
<tr>
<td>†[352]</td>
<td>Greek Literature</td>
<td>Sophocles. <em>Three credit hours.</em></td>
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<tr>
<td>*354</td>
<td>Greek Literature</td>
<td>Euripides. <em>Three credit hours.</em></td>
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<tr>
<td></td>
<td>Mrs. Koonce and Mr. Westervelt</td>
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<tr>
<td>*355</td>
<td>Greek Literature</td>
<td>Herodotus. <em>Three credit hours.</em></td>
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<tr>
<td></td>
<td>Mr. Howard</td>
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<tr>
<td>*413</td>
<td>Seminar</td>
<td>Aeschylus. <em>Three credit hours.</em></td>
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<td></td>
<td>Mr. Howard</td>
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<tr>
<td>†[414]</td>
<td>Seminar</td>
<td>Aristophanes. <em>Three credit hours.</em></td>
<td></td>
</tr>
<tr>
<td>491, 492</td>
<td>Independent Reading in Greek Literature</td>
<td>Reading in a field of the student's interest, with essays and conferences. <em>One to three credit hours.</em></td>
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<td></td>
<td>Staff</td>
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</table>

### History

**IN THE DEPARTMENT OF HISTORY AND GOVERNMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor/Staff</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>131, 132</td>
<td>Introduction to History</td>
<td>Staff</td>
<td>The several sections provide varied approaches to methods historical analysis. Recent examples have been: dynamics revolution; humanism; twentieth-century France; modern E</td>
</tr>
</tbody>
</table>
rope; contemporary American society. A description of work proposed for each section is available at registration. Limited to freshmen. *Three credit hours.*

3, 134
INTRODUCTION TO THE
STORY OF EAST ASIA
L. ELISON

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; modernization and revolution. *Three credit hours.*

1, 222
STORY OF EAST ASIAN
VILIZATION
L. ELISON

The interaction of cultures in East Asia. First semester: the traditional civilization in China and Japan, with some attention to peripheral areas. Second semester: chiefly Chinese and Japanese reactions to western stimuli in the nineteenth and twentieth centuries, and the resulting problems of modernization. *Three credit hours.*

3, 224
REVIEW OF UNITED STATES
HISTORY
L. KANY AND MR. BRIDGMAN

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. Formerly listed as History 281, 282. *Three credit hours.*

231]
MEDIEVAL CIVILIZATION, 6-1300

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 credit hours.*

232]
ENGLISH 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 credit hours.*

7
THE EMERGENCE OF MODERN
BRITAIN, 1688-1867
R. GILLUM

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

48
BRITAIN SINCE 1867
R. GILLUM

Britain from the Age of Imperialism through the era of World Wars, and to the dissolution of the Empire. *Three credit hours.*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>271</td>
<td>Presidential Elections and the American Economy, 1952-1972</td>
<td>The anatomy of selected presidential campaigns; the evolution of the economic state as compared to the political state. Emphasis will be placed on cultural interpretations. <em>Three credit hours.</em></td>
<td>MR. BRIDGMAN</td>
<td></td>
</tr>
<tr>
<td>297</td>
<td>Afro-American History I</td>
<td>The history of the Black American and race relations from the African background to the beginning of the Civil War. Formerly listed as History 397. <em>Prerequisite:</em> Permission of the instructor. <em>Three credit hours.</em></td>
<td>MR. FONER</td>
<td></td>
</tr>
<tr>
<td>298</td>
<td>Afro-American History II</td>
<td>The history of the Black American and race relations from the Civil War to the end of World War I, stressing emancipation reconstruction, the New South, the Du Bois-Washington conflict, the rise of the NAACP, the great migration of World War I, and the Red Summer of 1919. Formerly listed as History 398. <em>Prerequisite:</em> Permission of the instructor. <em>Three credit hours.</em></td>
<td>MR. FONER</td>
<td></td>
</tr>
<tr>
<td>311</td>
<td>Tutorial in History</td>
<td>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. <em>Prerequisite:</em> Permission of the instructor. <em>One to three credit hours by prior arrangement.</em></td>
<td>MR. RAYMOND</td>
<td></td>
</tr>
<tr>
<td><em>323, 324</em></td>
<td>European Diplomatic History</td>
<td>Diplomacy, its methodology and history. The first semester will examine the development of the modern European state system and the diplomatic relations which 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 &quot;old diplomacy&quot; and the &quot;new diplomacy&quot; in the establishment of &quot;concerts of power&quot; for the maintenance of &quot;peace.&quot; <em>Prerequisite:</em> One year course or equivalent in history or government or permission of the instructor. <em>Three credit hours.</em></td>
<td>MR. BERSCHNEIDER</td>
<td></td>
</tr>
<tr>
<td>+[331]</td>
<td>The British Empire and Commonwealth</td>
<td>A history of the British Empire after the American Revolution, the governmental and economic development of the Empire, and its evolution into the modern Commonwealth of Nations. <em>Prerequisite:</em> One year course or equivalent in history or permission of the instructor. <em>Three credit hours.</em></td>
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</tbody>
</table>
334]  
EOPLE: THE 
ORIGIN OF THE COMMON LAW

English history, from the Saxon invasion to 1485, as a background to the development of the principles of the Common Law. Open to sophomores by permission. Three credit hours.

37  
EDOR-STUART ENGLAND  
G. GILLUM

The contest of religious doctrines and the conflict of political concepts, from the Renaissance monarchy of Henry VII to the "Glorious Revolution" of 1688. Open to sophomores by permission. Three credit hours.

1, 342  
ISTORY OF RUSSIA AND THE 
SSR  
R. RAYMOND

The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes.

Prerequisite: One year course or equivalent in history or government or permission of the instructor. Three credit hours.

351]  
TECHNICAL AND CULTURAL 
ISTORY OF MODERN EUROPE

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 which might explain what has often been called "the crisis of our age."

Prerequisite: One year course or equivalent in history or permission of the instructor. Three credit hours.

353  
ODERN FRANCE  
R. BERSCHNEIDER

The theme of "Liberalism and the Challenge of Fascism" will be presented in analyzing and evaluating the currents of thought and action which have given character to republicanism in modern France.

Prerequisite: One year course or equivalent in history or permission of the instructor. Three credit hours.

34  
HE FRENCH REVOLUTION 
ND NAPOLEON  
R. RAYMOND

European history from 1789 to 1815, with emphasis on political and social developments in France. Formerly listed as History 372.

Prerequisite: One year course or equivalent in history or government or permission of the instructor. Three credit hours.

356  
ODERN GERMANY  
G. GILLUM

The governmental and economic development and the international influence of Germany from 1848 to the present time. Formerly listed as History 375.
**Modern Japanese History**  
Mr. Elison  

*Prerequisite:* One year course or equivalent in history or government or permission of the instructor. *Three credit hours.*

The history of Japan from ca. 1800 to the present day, concentrating on a treatment of Japan's modernization and the political, social, and ideological problems connected with the process modernization. *Three credit hours.*

---

**Cultural History of Japan**  

†[363, 364]  

First semester: from the origins of the Japanese people to the collapse of the Ashikaga Shogunate at the end of the fifteenth century. Institutional history is not neglected, but the course concentrates on the literary, religious, and artistic manifestations of Japanese culture. Second semester: the period of the Court at War. Discusses the reunification of Japan at the end of the sixteenth century, the progress of the Tokugawa period, and the Meiji Restoration. Much emphasis is placed upon such special topics as the confrontation of Japanese and Jesuit, and the history of the Tokugawa popular theatre.  

*Prerequisite:* One previous course in history. *Three credit hours.*

---

Mr. Bridgman  

The increasing use of scientists in the government in recent decades, tracing their employment as technicians, economists, and political leaders. *Three credit hours.*

---

**The Young Industrial State, 1877-1932**  

†[373]  

The course of American ideology during the first era of apparent fullblown industrial development, from the end of the Reconstruction period to that of the Great Depression. Concentrate upon such matters as urbanization, unions, errant Populist movements, and the emergent nativism, with emphasis upon cultural interpretations. *Three credit hours.*

---

**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.*
75

AMERICAN COLONIAL HISTORY
. KANY

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. Formerly listed as History 314. Three
credit hours.

176]

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. Formerly listed as History 396. Three credit
hours.

7

HISTORICAL INTRODUCTION TO
AMERICAN STUDIES: THE
UNITED STATES, 1824-1850
. FONER

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.

Prerequisite: Concurrent enrollment in English 337d1. Open to
sophomore majors in American studies. Three credit hours.

3

THE UNITED STATES,
180-1880
. FONER

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

Prerequisite: One year course in history or equivalent or per-
mission of the instructor. Three credit hours.

191

THE AMERICAN CIVIL WAR
. RAYMOND

The origins and the military and political history of the Civil
War from about 1850 to 1865. Three credit hours.

3

THE AMERICAN SOUTH,
181-1861
. 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.

195]

THE EARLY NATIONAL
PUBLIC, 1801-1845

The United States during a foreshortened half-century of its ev-
olution, concentrating on such subjects as the two-party system,
the westward movement, the "States Rights" mannerism, and the
dogma of "Manifest Destiny." Considerable reliance is placed
upon politic, contemporaneous observers such as Harriet Martineau, James Cooper, Mrs. Frances Trollope, and Michel Chevalier, with emphasis upon cultural and social interpretation. *Three credit hours.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Prerequisite</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>399</td>
<td>Afro-American History III</td>
<td>Mr. Foner</td>
<td>The history of the Black American and race relations from 1865 to the present, stressing the Harlem Renaissance, the Garvey Movement, and the post-World War II protest, civil rights, and nationalist movements. The course will close with an investigation of current ideologies and activities in the Black community. <em>Prerequisite: History 297, 298, or 397, 398, or permission of the instructor.</em></td>
<td>Three credit hours</td>
</tr>
<tr>
<td>*414</td>
<td>Seminar in Japanese History</td>
<td>Mr. Elison</td>
<td>Special topics in Japanese history. <em>Prerequisite: Permission of the instructor.</em></td>
<td>Three credit hours</td>
</tr>
<tr>
<td>†[416]</td>
<td>Seminar in American History</td>
<td></td>
<td>Special topics in American history. <em>Prerequisite: Permission of the instructor.</em></td>
<td>Three credit hours</td>
</tr>
<tr>
<td>418</td>
<td>Seminar in European History</td>
<td>Mr. Berschneider</td>
<td>Methods of research and a critical study of sources and documents in the history of the Crusades. <em>Prerequisite: Permission of the instructor.</em></td>
<td>Three credit hours</td>
</tr>
<tr>
<td>432</td>
<td>Seminar in Afro-American History</td>
<td>Mr. Foner</td>
<td>Group discussion and individual reports based on research of selected topics in Afro-American history. <em>Prerequisite: Permission of the instructor.</em></td>
<td>Three credit hours</td>
</tr>
<tr>
<td>†[433]</td>
<td>Seminar in English History</td>
<td></td>
<td>Reading and research on various topics in English history, with special attention devoted to political history in the nineteenth and twentieth centuries. <em>Prerequisite: Permission of the instructor.</em></td>
<td>Three credit hours</td>
</tr>
<tr>
<td>491, 492</td>
<td>Topics in History</td>
<td>Staff</td>
<td>A study of history through special topics. <em>Prerequisite: History major and permission of the department chairman.</em></td>
<td>Three credit hours</td>
</tr>
</tbody>
</table>
### Italian

**IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES**

**211] ANTE**

*The Divine Comedy* and *The New Life*, in English translation. No knowledge of Italian is required.

*Prerequisite:* Completion of a semester course in literature at the college level. *Three credit hours.*

### Japanese

**IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES**

**11, 112**

*Elementary Japanese*

RS. KERKHAM

Introduction to the modern language, with practice in reading, conversation, and elementary composition. Use of taped materials in the language laboratory is a regular part of the class work. Class meets daily Monday through Friday. *Four credit hours.*

**13, 114**

*Intermediate Japanese*

RS. KERKHAM

Continued practice in the oral-aural skills; emphasis on reading and writing modern prose. This and the review of grammar are supplemented by language laboratory and language tables. Class meets daily Monday through Friday.

*Prerequisite:* Japanese 112 or equivalent. *Four credit hours.*

**32**

*Introduction to Japanese Culture*

An introduction to Japanese culture through critical reading (in translation) of selected literary works of a given period. No knowledge of Japanese required.

*Prerequisite:* Enrollment in the Center for Coordinated Studies or permission of the instructor. *Three credit hours.*

**51, 152**

*Introduction to East Asian Literature*

RS. KERKHAM

An introduction to East Asian culture through the critical reading of selected literary works in English translation. *Three credit hours.*

**231, 232**

*Japanese Literature in Translation*

Representative works of Japanese literature. First semester: from the primitive period to the end of the sixteenth century; second semester: from 1600 to the present. *Three credit hours.*
### Advanced Japanese

**111, 241, 242**  
**Advanced Japanese**  
Third-year level of language work with concentration on readings from newspapers, magazines, and modern prose.  
*Prerequisite:* Japanese 114. *Three credit hours.*

**491, 492**  
**Topics in East Asian Literature**  
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.*

### Latin

**IN THE DEPARTMENT OF CLASSICS**

**111**  
**Introductory Latin**  
Intensive elementary Latin. This course prepares students for Latin 114. *Four credit hours.*

**113, 114**  
**Intermediate Latin**  
First semester: one play of Terence. Second semester: Catullus.  
*Prerequisite:* At least two years of high-school Latin. Latin 111 or 113 prerequisite for 114. *Three credit hours.*

**131**  
**Introduction to Latin Literature**  
*Plautus.* *Three credit hours.*

**351**  
**Latin Literature**  
*Lucretius.* *Three credit hours.*

**352**  
**Latin Literature**  
*Livy.* *Three credit hours.*

**353**  
**Latin Literature**  
Roman elegy. *Three credit hours.*

**354**  
**Latin Literature**  
Cicero: selected speeches. *Three credit hours.*
Latin Literature

355] Roman satire. *Three credit hours.*


57d2 Horace: *Odes* and *Ars Poetica.* *Three credit hours.*

58] Tacitus. *Three credit hours.*

59] Virgil: *Eclogues* and *Georgics.* *Three credit hours.*

71] Terence. *Three credit hours.*

14] Virgil: *Aeneid.* *Three credit hours.*

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

Mathematics

Basic concepts and techniques of higher algebra which will be useful to nonmajors as well as majors in mathematics. Systems of equations and matrices are used as vehicles for this study. *Three credit hours.*

Elementary differential and integral calculus. *Three credit hours.*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<th>Prerequisite</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>122d</td>
<td>Calculus II</td>
<td>Further study of differential and integral calculus with selected applications.</td>
<td>Mathematics 121d</td>
<td>4</td>
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<td>STAFF</td>
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<tr>
<td>212d</td>
<td>Calculus III</td>
<td>A continuation of Calculus II.</td>
<td>Mathematics 122d</td>
<td>4</td>
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<td>STAFF</td>
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<tr>
<td>241, 242</td>
<td>Elementary Statistics</td>
<td>Descriptive statistics; elementary probability theory; binomial and normal distributions;</td>
<td>Mathematics 121d</td>
<td>3</td>
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<tr>
<td></td>
<td>MR. HAYSLETT</td>
<td>elementary sampling theory; tests of hypotheses; confidence intervals; nonparametric</td>
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<td>statistics; correlation and regression; analysis of variance; time series. Applications</td>
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<td>are emphasized. Not open to mathematics majors.</td>
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<tr>
<td></td>
<td>+[243, 244] Finite Mathematics</td>
<td>Selected topics from modern mathematics useful in the biological and social sciences;</td>
<td>Mathematics 113d or 121d</td>
<td>3</td>
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<tr>
<td></td>
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<td>including probability, elements of modern algebra, and an introduction to linear</td>
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<td>programming and the theory of games. Statistics is not treated, but is offered in other</td>
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<td>courses. Not open to mathematics majors.</td>
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<tr>
<td>311d</td>
<td>Differential Equations</td>
<td>Solutions of elementary differential equations and an introduction to partial</td>
<td>Mathematics 212d</td>
<td>3</td>
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<tr>
<td></td>
<td>MR. COMBELLACK AND MR. KNOX</td>
<td>differential equations.</td>
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<tr>
<td>[314]</td>
<td>Topics in Analysis</td>
<td>Solutions of differential equations, including Bessel's, by series, Fourier series;</td>
<td>Mathematics 311</td>
<td>2</td>
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<td>the vibrating string problem; the operator del and the integral theorems; and finite</td>
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<td>differences.</td>
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<tr>
<td>[316]</td>
<td>The Laplace Transform</td>
<td>Theory and applications of the Laplace transform.</td>
<td>Mathematics 311</td>
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<tr>
<td>332</td>
<td>Introductory Numerical Analysis</td>
<td>Solution by numerical methods of linear and nonlinear equations; numerical integration;</td>
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<tr>
<td></td>
<td>and Programming</td>
<td>polynomial approximation; matrix inversion; error analysis. A time-sharing computer</td>
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<tr>
<td></td>
<td>MR. KNOX</td>
<td>system will be used to solve problems.</td>
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</tbody>
</table>
**Prerequisite:** Some programming experience, Mathematics 113d and 212d or permission of the instructor. *Three credit hours.*

---

**Complex Variables**

The arithmetic and calculus of complex numbers. The basic properties of analytic functions including an introduction to residues and conformal mapping.

*Prerequisite:* Mathematics 212d. *Three credit hours.*

---

**362 Algebra**

Introduction to algebraic structures such as groups, rings, integral domains, fields, and related topics; further study of linear algebra.

*Prerequisite:* Mathematics 113d and 122d. *Three credit hours.*

---

**382 Mathematical Statistics**

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.

*Prerequisite:* Mathematics 212d. *Three credit hours.*

---

**422 Advanced Calculus**

More advanced topics of one variable calculus and an introduction to real analysis. Some of the topics included are: equivalence and countability, uniform continuity, summability, limit superior and limit inferior, sequences and series of functions, Weierstrass approximation theorem, Lebesque measure and integration.

*Prerequisite:* Mathematics 212d and senior standing or permission of the instructor. *Three credit hours.*

---

**Introduction to Topology**

General topology, including such topics as elementary point set topology, mappings, and metric spaces.

*Prerequisite:* Mathematics 421, passed or taken concurrently. *Three credit hours.*

---

**Higher Geometry**

Properties of various geometries with emphasis on axiomatic development.

*Prerequisite:* Mathematics 361, 362. *Three credit hours.*

---

**492 Special Topics**

Independent study in an area of mathematics of particular interest to the student.

*Prerequisite:* Mathematics major and permission of the department. *Two to four credit hours.*
## Modern Foreign Languages

### 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 1971-72, Chinese and Swahili were offered. Possible offerings for 1972-73, depending upon demand, include Chinese, Swahili, and Portuguese.  
**Prerequisite:** Permission of the department chairman. *Three credit hours.*

### 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 Language 191, 192 and permission of the department chairman. *Three or four credit hours.*

### 491, 492
**Independent Topics in Modern 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.*

## Music

### 123d, 124d
**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. Formerly listed as Music 141, 142. *Three credit hours.*

### *132
**Chansons and Lieder**  
Miss Heinrich  

A detailed study of art songs, French chansons, and German lieder, with emphasis given to the songs and song cycles of Schubert, Schumann, Brahms, Mahler, Wolf, Debussy, and contemporary composers. Formerly listed as Music 113. *Three credit hours.*
164
Theory and Practice of Music
R. Ré and Mrs. Reuman

Musical notation, clefs, scales, intervals, and chord structure. Ear training stressed through rhythmic, intervallic, and melodic dictation and sight-singing. Melody writing and elementary harmony included. Formerly listed as Music 121, 122. Three credit hours.

13
Medieval Music
Iss Heinrich

Music in Europe through the Romanesque and Gothic Middle Ages, the Ars Nova, 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. Formerly listed as Music 115.

Prerequisite: Music 123d, 124d or equivalent. Three credit hours.

232
Music of the Renaissance
Music of the Renaissance

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. Formerly listed as Music 116.

Prerequisite: Music 123d, 124d or equivalent. Three credit hours.

234
Baroque Music
R. Armstrong

Music in western Europe from Monteverdi to Bach and Handel. Formerly listed as Music 216.

Prerequisite: Music 123d, 124d or equivalent. Three credit hours.

252
Romantic Music

Nineteenth-century music from Schubert to Gustav Mahler and Richard Strauss, with special emphasis on instrumental music.

Prerequisite: Music 123d, 124d or equivalent. Three credit hours.

254
Contemporary Music

Trends in the art of music following the time of Wagner and the late romantics. Consideration of varied techniques of twentieth-century composers. Formerly listed as Music 312.

Prerequisite: Music 123d, 124d or equivalent. Three credit hours.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Description</th>
<th>Prerequisite(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>263, 264</td>
<td>Harmony</td>
<td>Mr. Ré</td>
<td>Harmonization of given and original melodies; analysis of compositions selected from major composers. Second semester: special emphasis on chromatic chord formations; some keyboard harmony. Formerly listed as Music 221, 222.</td>
<td>Music 163, 164. Three credit hours</td>
<td>3</td>
</tr>
<tr>
<td>*272</td>
<td>Counterpoint</td>
<td>Mr. Ré</td>
<td>A study of the principles of the sixteenth-, seventeenth-, and eighteenth-century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. Formerly listed as Music 215.</td>
<td>Music 163, 164. Three credit hours</td>
<td>3</td>
</tr>
<tr>
<td>*321, 322</td>
<td>The Viennese Classicists</td>
<td>Mr. Comparetti</td>
<td>A survey of the classical period with special reference, in the first semester, to the music of Haydn and Mozart; in the second semester, Beethoven and Schubert. Detailed study and analysis of significant symphonies and chamber music.</td>
<td>Music 123d, 124d or equivalent and 163, or permission of the instructor. Three credit hours</td>
<td>3</td>
</tr>
<tr>
<td>‡[325, 326]</td>
<td>Opera and Oratorio</td>
<td></td>
<td>The history and development of opera and oratorio. In the first semester, representative works from Monteverdi to Mozart are studied in detail; in the second semester, emphasis is on operatic and choral works of the romantic period by Verdi, Wagner, Moussorgsky, and later composers.</td>
<td>Music 123d, 124d or equivalent and 163, or permission of the instructor. Three credit hours</td>
<td>3</td>
</tr>
<tr>
<td>371</td>
<td>Composition</td>
<td>Mr. Ré</td>
<td>Creative writing for students who wish to apply skills acquired in the study of theory and harmony to the solution of problems of form and style.</td>
<td>Music 263, 264. Three or four credit hours</td>
<td>3 or 4</td>
</tr>
<tr>
<td>411</td>
<td>Seminar in Music History</td>
<td>Mr. Armstrong</td>
<td>Research and critical analysis in various areas of western music history. Primarily for senior music majors.</td>
<td>Permission of the instructor. Three or four credit hours</td>
<td>3 or 4</td>
</tr>
<tr>
<td>491, 492</td>
<td>Special Topics</td>
<td>Staff</td>
<td>Individual topics in areas where the student has demonstrated interest and competence necessary for independent work. Primarily for senior music majors.</td>
<td></td>
<td>3 or 4</td>
</tr>
</tbody>
</table>
Prerequisite: Permission of the department. One to four credit hours.

Private lessons in voice and a variety of instruments are available at additional cost. Students of Applied Music are invited to participate in the college band, choir, glee club, and symphony orchestra, with or without academic credit; small ensembles are also formed from time to time. For information concerning fees and academic credit, consult the department.

The department reserves some scholarship money to aid talented students of Applied Music; consult the chairman.

Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

Character Philosophy

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

Private lessons in voice and a variety of instruments are available at additional cost. Students of Applied Music are invited to participate in the college band, choir, glee club, and symphony orchestra, with or without academic credit; small ensembles are also formed from time to time. For information concerning fees and academic credit, consult the department.

The department reserves some scholarship money to aid talented students of Applied Music; consult the chairman.

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

Some of the typical problems in western philosophy. The first semester deals with ethics, socio-political philosophy, and the philosophy of religion. The second semester deals with theory of knowledge, the philosophy of science, and aesthetics. Three credit hours.

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. Three credit hours.

Deductive logic. Open to freshmen with permission of the instructor. Three credit hours.

A consideration of man's relation to nature. Three credit hours.

Readings from Plato, Locke, Rousseau, and Marx; their relevance to contemporary problems. Three credit hours.

Problems that arise in analyses and criticisms of the arts.

Prerequisite: Three hours of philosophy or permission of the instructor. Three credit hours.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>316</td>
<td>Metaphysics</td>
<td>Mr. Hudson</td>
<td>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 validating metaphysical claims.</td>
<td>3</td>
</tr>
<tr>
<td>317</td>
<td>Philosophy of Science</td>
<td>Instructor</td>
<td>Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the sciences will be considered.</td>
<td>3</td>
</tr>
<tr>
<td>*319d2</td>
<td>Ethics and General Theory of Value</td>
<td>Mr. Reuman</td>
<td>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.</td>
<td>3</td>
</tr>
<tr>
<td>331</td>
<td>History of Ancient Philosophy</td>
<td>Mr. Parker</td>
<td>Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus.</td>
<td>3</td>
</tr>
<tr>
<td>332</td>
<td>History of Modern Philosophy</td>
<td>Mr. Reuman</td>
<td>European philosophy from Descartes to the nineteenth century with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.</td>
<td>3</td>
</tr>
<tr>
<td>333</td>
<td>Philosophy of Education</td>
<td>Mr. Hudson</td>
<td>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.</td>
<td>3</td>
</tr>
<tr>
<td>†352</td>
<td>American Thought</td>
<td></td>
<td>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.</td>
<td>3</td>
</tr>
</tbody>
</table>
TEMPORARY PHILOSOPHY

**Major philosophic movements since 1900 are studied as background for examining current philosophical problems in analytic philosophy.**

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

DIAN THOUGHT

**Types of Indian philosophy of the ancient period.**

*Prerequisite:* Two previous semester courses in philosophy and/or religion; no previous Indian thought. *Three credit hours.*

DIAN THOUGHT

**Types of Indian philosophy of the modern period.**

*Prerequisite:* Two previous semester courses in philosophy and/or religion. *Three credit hours.*

SYMBOIC AND FORMAL LOGIC

**Mathematical logic (higher order logical calculi); logical theory (axiomatization, consistency, completeness, decidability); modal logic; selected topics in the philosophy of mathematics and philosophical logic.**

*Prerequisite:* Philosophy 212. *Three credit hours.*

NEETEENTH-CENTURY PHILOSOPHY

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

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

PHILOSOPHY OF RELIGION

**The basic postulates of religion, including search for an adequate scheme of verification, analysis of the empirical evidence and the hypotheses which seem to result therefrom, and the relevance of the conclusions for daily life.**

*Prerequisite:* Religion 121, 122 or one course in philosophy. *Three credit hours.*

HISTORY OF MEDIEVAL PHILOSOPHY

**History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics. Formerly listed as Philosophy 354.**

*Prerequisite:* Philosophy 331. *Three credit hours.*
374
Existentialism and
Phenomenology
Mr. Parker

A survey of the principal thinkers of twentieth-century existential
philosophy, with minor attention to phenomenology. Reading
will be from some of the following: Heidegger, Sartre, Jean-
Marcel, Buber, and Merleau-Ponty. Philosophy 359 is a desirab-
background but is not required.
Prerequisite: Two semester courses in philosophy or permis-
sion of the instructor. Three credit hours.

391, 392
Philosophy Seminars
Staff

Seminars in selected areas of philosophy are presented each sem-
ster. In 1972-73 the topics will be: 391, "Hume and Kant
392, "Comparative Social Structures and Ideologies." Open
majors and nonmajors.
Prerequisite: Permission of the instructors. Three credit hours.

491, 492
Special Topics
Staff

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

Physical Education

301, 302
The Organization and
Administration of Physical
Education and Athletics
Mr. Winkin and Mr. Nelson

Administrative policies, practices, teaching methods, and stan-
dards pertaining to the execution of a modern program of phy-
cal education and athletics.
Prerequisite: Permission of instructor; men only. Three credit
hours.

323, 324
Principles and Methods of
Physical Education for
Secondary Schools
Mrs. Bither

Policies, practices, standards, and educational methods to enab-
students who will be teaching in secondary schools to assist with
physical education and to coach girls' athletics.
Prerequisite: Permission of the instructor; women only. Three
credit hours.

343, 344
Dance I and II
Instructor

Studio composition and the history of dance prior to the twen-
eth century. Second semester: contemporary history; twentieth-
century trends in the dance.
Prerequisite: Permission of the instructor. Three credit hours.
Physics

122

Quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, electricity and magnetism, relativity, and the physics of atoms and nuclei. Physics 211 may serve as prerequisite for Physics 122. Four credit hours.

Intermediate Mechanics

An introduction to analytical, Newtonian mechanics, emphasizing the application of calculus to the analysis of mechanical systems.

Prerequisite: Physics 121 or permission of the department, Mathematics 122d (may be taken concurrently). Open to freshmen with advanced standing in calculus who have had a strong preparation in physics. Four credit hours.

Optometrical and Physical Tics

An introduction to optical instrumentation and to light as a wave phenomenon. The first order theory of geometrical optics is studied in some detail, followed by physical optics, including interference, diffraction, resolving power, and wavelength measurement. Spectroscopic problems and applications of the laser are discussed as class interests dictate.

Prerequisite: Physics 121 or 211, Mathematics 122d. Four credit hours.

Introduction to Theoretical Physics

First semester: a theoretical treatment of electromagnetic phenomena, comprising electrostatics, magnetostatics, circuit theory, and Maxwell's equations. Second semester: selected topics from electrodynamics, relativity, and advanced mechanics. Emphasis will be placed on mathematical methods.

Prerequisite: Physics 122 and Mathematics 212d (may be taken concurrently). For 322: Physics 211, Mathematics 113d, 311d (may be taken concurrently). Four credit hours.

Thermodynamics

Classical concepts of temperature, energy, entropy, heat, and work are developed, with applications chiefly to single component systems. Consideration of topics in kinetic theory and statistical mechanics then leads to demonstration of the connection between...
atomic theory and thermodynamics. Formerly listed as Phys 312.

**Prerequisite:** Physics 121 or 211; Mathematics 212d. Four credit hours.

### 332
**Atomic and Nuclear Physics**

Mr. Dudley

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

**Prerequisite:** Physics 211, 321. Four credit hours.

### 351d
**Electronics**

Staff

A semi-independent-study laboratory course in electronic principles, circuits, and instrumentation. Open each semester to limit of available equipment. Formerly listed as Physics 211d.

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

### 441, 442
**Modern Physics**

Mr. Metz

Advanced quantum theory, atomic and nuclear structure, and selected topics in areas of contemporary interests.

**Prerequisite:** Physics 322, 332. Three credit hours.

### 451d
**Senior Laboratory**

Staff

Experiments drawn mainly from electricity and magnetism, with emphasis on precision and experimental technique.

**Prerequisite:** Physics 332. Two credit hours.

### 491, 492
**Topics in Physics**

Staff

Topics selected to meet the needs of the individual student. Suggested studies are introductory theoretical physics or special experimental problems, or both.

**Prerequisite:** Junior standing, at least, and permission. To five credit hours.

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**Portuguese**

**IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES**

*121, 122

**Portuguese as a Second Romance Language**

Mrs. Doel

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

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

## Psychology

### Introduction to Psychology

Selected areas and issues in the psychological analysis of behavior, viewed from contemporary theoretical and methodological perspectives. This course consolidates and replaces Psychology 132, 211d, and 231d; it is intended for students with no previous work in psychology, and is prerequisite for further courses in the department. *Three credit hours.*

### Quantitative Methods

Survey and critical evaluation of quantitative methods in psychology, including the basic methods and techniques of data gathering, processing, and analysis. Offered in 1971-72 as Psychology 214.

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

### Black Psychology

The problems, theories, research, and literature concerned with the psychology of a racial minority. Special emphasis on the relationship between a science of human behavior and the life of Black Americans.

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

### Motivation

Detailed analysis of current research trends in motivation, their historical antecedents and theoretical implications, with a focus on topics such as drive, reinforcement, consummatory behavior (feeding, courtship and sexual behavior, aggression), imprinting, sleep and dreams, and emotions. Formerly listed as Psychology 311.

*Prerequisite:* Two semester courses in psychology. *Three credit hours.*

### Animal and Human Ethology

The study of behavior from a biological point of view, representing a synthesis of ethology and comparative psychology. The course will include an historical survey of work in animal be-
behavior from the time of Darwin through constructs of classic European ethology, and will consider such topics as causation and development of behavior, cyclical behavior, migration and orientation, territorial behavior, social behavior, and the evolution of behavior. Formerly listed as Psychology 313.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
</table>
| 252         | Developmental Psychology                         | Mr. Zohner          | Principles of development from conception through adolescence, examined from biological, sociocultural, and psychodynamic perspectives. Formerly listed as Psychology 314.  

**Prerequisite:** Psychology 111d or permission of the instructor. *Three credit hours.*

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
</table>
| 261, 262    | Personality and Abnormal Psychology               | Mr. Perez and Mr. Lester | First semester: problems, theories, and research concerned with the dynamics of behavior. Consideration of both clinical and experimental approaches, with emphasis on major systems, interpretations and current research. Second semester: special emphasis on the dynamics of abnormal behavior. Formerly listed as Psychology 361, 362.  

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

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<tr>
<th>Course Code</th>
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<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
</table>
| 271         | Experimental Psychology                           | Mr. Zohner          | Discussion of the planning, execution, and interpretation of research in psychology. Formerly listed as Psychology 381.  

**Prerequisite:** Psychology 111d, Psychology 114 or Mathematics 242, and permission of the instructor. *Three credit hours.*

<table>
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<tr>
<th>Course Code</th>
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<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
</table>
| 272         | Neuropsychology                                   | Mr. Desisto         | The study of neural processes underlying experience and behavior; the ways in which the nervous system codes perception, movement, hunger, sleep, sex, apathy, interest, learning, and language. Formerly listed as Psychology 352.  

**Prerequisite:** Two semester courses in psychology, two semester courses in biology, and permission of the instructor. *Four credit hours.*
The capabilities of the human visual system as related to the physical aspects of the seen world and to the physiological mechanism involved. Topics include: color vision, night vision, perception of brightness, depth, and form, and visual illusions. Formerly listed as Psychology 382.

**Prerequisite:** Two semester courses in psychology, one semester of a laboratory science, and permission of the instructor. *Four credit hours.*

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. Formerly listed as Psychology 411.

**Prerequisite:** Psychology 252 and permission of the instructor. *Three credit hours.*

A consideration of the principles of learning and the empirical evidence underlying them.

**Prerequisite:** Psychology 271 and permission of the instructor. *Four credit hours.*

Although the scope of contemporary social psychology will be briefly examined, primary attention will be given to the examination of topics suggested by student interests. Formerly listed as Psychology 453d.

**Prerequisite:** Psychology 111d and permission of the instructor. Limited to majors in administrative science, psychology, and sociology. *Three credit hours.*

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.*

Current issues in psychology, chosen on the basis of student and staff interests. Required of senior majors in the department.

**Prerequisite:** Senior standing as a psychology major. *Three credit hours.*
491, 492
Special Topics
staff
Individual projects in areas where the student has demonstrated interest and competence necessary for independent work.

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

Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

121, 122
Introduction to Western Religion
Mr. Todrank
The Judaeo-Christian tradition in historical perspective: basic beliefs, institutions, and movements characteristic of successive epochs, and their influence on western culture. Three credit hours.

‡[217]
Religion in America
The beliefs and practices of Protestantism, Catholicism, and Judaism as a background for an exploration of selected issues current interest in American religion. Three credit hours.

‡[218]
The Scientific Study of Religion
Methodologies and classical studies in the disciplines of anthropology, sociology, psychology, history of religions, economics, and history, and theology. Enrollment limited. Three credit hours.

223, 224
Biblical Literature
Mr. Longstaff
Biblical literature in terms of its historical and cultural context, its original meaning, and its relevance to the contemporary world. The first semester deals with the Old Testament; the second, with the Apocrypha and the New Testament. Three credit hours.

311, 312
Religions of the East
Mr. Thorwaldsen
History and characteristics of Indian and Oriental religions and Islam. Special attention is given to the Vedanta tradition in Hinduism, Theravada Buddhism, Zen in China and Japan, Sufi in Islam.

Prerequisite: Permission of the instructor. Three credit hours.

‡[316]
Contemporary Western Theology
Current significant religious perspectives, including selections from liberal, neo-orthodox, existential, secular, radical, Black, and process theologies.

Prerequisite: Religion 121, 122. Three credit hours.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>319</td>
<td>Myth and Ritual</td>
<td>Archaic and primitive myths, with emphasis on creation stories and the rituals of renewal associated with cosmogetic mythology. Enrollment limited. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>351</td>
<td>The Book of Job</td>
<td>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. <em>Prerequisite: Religion 121 or 223. Three credit hours.</em></td>
</tr>
<tr>
<td>352</td>
<td>The Theology of Paul</td>
<td>Paul's letters, and the controversies which prompted them, will be studied as a basis for understanding Pauline Christianity and its place in the early church. <em>Prerequisite: Religion 224. Three credit hours.</em></td>
</tr>
<tr>
<td>353</td>
<td>The Great Prophets of Israel</td>
<td>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. <em>Prerequisite: Religion 223. Three credit hours.</em></td>
</tr>
<tr>
<td>358</td>
<td>Jesus of Nazareth</td>
<td>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. <em>Prerequisite: Religion 224 and permission of the instructor. Three credit hours.</em></td>
</tr>
<tr>
<td>371</td>
<td>Utopian Religion</td>
<td>Utopian religion: a new Adam and a new Eden; the roles of biochemistry, electronics, politics, ethics, and theology in the religion of the near future. <em>Three credit hours.</em></td>
</tr>
<tr>
<td>372</td>
<td>History of Medieval Philosophy</td>
<td>Listed as Philosophy 372 (<em>q.v.</em>). <em>Three credit hours.</em></td>
</tr>
<tr>
<td>373</td>
<td>History of Medieval Philosophy</td>
<td>Listed as Philosophy 373 (<em>q.v.</em>). <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>
### Seminar

**[391], 392**  
**Seminar**  
**Mr. Thorwaldsen**  

The topic for 1972-73 will be: Indian and Oriental texts in translation. The student will select texts from the Upanishads, Bhagavad Gita, Indian Buddhism, Chinese and Japanese Zazen sutras, or from the religious poetry and mystical writings of Islam.  

*Prerequisite:* Philosophy 355, 356 or Religion 311, 312, and permission of the instructor. *Three credit hours.*

### Special Topics

**491, 492**  
**Special Topics**  
**Instructor**

Individual projects in areas where the student has demonstrated 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**

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

### Elementary Russian

**111, 112**  
**Elementary Russian**  
**Mr. Kempers**

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

### Intermediate Russian

**113, 114**  
**Intermediate Russian**  
**Mr. Kempers**

Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through study of selections from Russian literature. These studies, and the review of grammar are supplemented with drill work in the language laboratory. Class meets four times a week.

*Prerequisite:* Russian 112 or two years of high-school Russian and appropriate score on the placement test. *Four credit hours.*

### Soviet Russian Literature

**131**  
**Soviet Russian Literature**  
**Mrs. Mursin**

Representative works from 1917 to the present, exclusive of Pasternak and Solzhenitsyn, in English translation. *Three credit hours.*
<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td><strong>32</strong></td>
<td>The major works of two contemporary Soviet Nobel Prize winners, Boris Pasternak (1958) and Aleksandr Solzhenitzyn (1970), in English translation. <em>Three credit hours.</em></td>
</tr>
<tr>
<td><strong>33</strong></td>
<td>Dostoevski's major works in English translation. <em>Three credit hours.</em></td>
</tr>
<tr>
<td><strong>34</strong></td>
<td>Some of Tolstoi's representative short stories, major novels, and philosophical and critical writings, in English translation. <em>Three credit hours.</em></td>
</tr>
</tbody>
</table>
| **5, 226** | Along with continued work on the language, the study and interpretation of significant works of Russian literature is introduced.  
*Prerequisite:* Russian 114 or three years of high-school Russian and appropriate score on the placement test. *Three credit hours.* |
| **45, 246** | Designed to give the student a working knowledge of Russian as used for informational purposes and distinct from the language of belles-lettres. Extensive readings in the social and natural sciences; intensive translation of selected passages.  
*Prerequisite:* Russian 114 or permission of the instructor. *Three credit hours.* |
| **321, 322** | Selected works of some of the authors of the nineteenth century, with emphasis on the novel and theatre.  
*Prerequisite:* Russian 226 or permission of the instructor. *Three credit hours.* |
| **330** | 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.* |
| **393, 494** | Topics which change each semester may cover an author, a genre, or a literary movement.  
*Prerequisite:* Permission of the instructor. *Three credit hours.* |
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.

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

221e, 222
Principles of Sociology
Staff

Human society: its growth, institutions, activities, and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. Three credit hours.

331
Contemporary Social Problems
Mr. Doel

Analysis of selected problems in contemporary society. Attention given to areas such as urbanization, population, poverty, and the depletion of natural resources. Programs for the alleviation of social problems will be reviewed and evaluated. Three credit hours.

333
Delinquency and Crime
Mr. Geib

Delinquency and crime in social and cultural perspective; conditions and situations which encourage anti-social conduct; the philosophy and practice of punishment, and programs for reducing or eliminating delinquency and crime.

Prerequisite: Sociology 221, 222. Three credit hours.

335d2
Human Ecology
Mr. Doel

The spatial distribution of people and institutions from early societies to the present day. Consideration will be given such topics as "natural regional areas," urban zone and map theory, individual and institutional competition in space, and factors related to population concentration and environmental relationships.

Prerequisite: Sociology 221, 222. Three credit hours.

352
Race and Minorities
Mr. Birge

Major problems of race and minority groups in the modern world.

Prerequisite: Sociology 221, 222. Three credit hours.
353
Urban Sociology
R. Birge
An eclectic study of the city as a sociological phenomenon: the historical and ecological development of the city; population and selective migration; group life and personality; and organization and disorganization of urban areas.
Prerequisite: Sociology 221, 222. Three credit hours.

54
Comparative Social Systems
R. Doel
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.
Prerequisite: Sociology 221, 222. Three credit hours.

[361, 362]
Cultural Anthropology
Introductory anthropology with special emphasis on the implications of the social and cultural experiences of primitive people for modern society.
Prerequisite: Sociology 221, 222. Three credit hours.

71
Social Stratification
Jr. Marks
Social classes of North America, as portrayed through the literature of community studies. Emphasis will center on the culture of the middle class, and on students' own experiences in the socialization process.
Prerequisite: Sociology 221, 222. Three credit hours.

73
The Family
Instructor
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.
Prerequisite: Sociology 221, 222. Three credit hours.

81, 382
Introduction to Research and Methodology in Sociology
Jr. Morrione
The variety of basic research methods and techniques employed by sociologists. The reciprocal relation between theory and research, research design, sampling, scaling, and techniques for data collection are among the major topics studied. Second semester: prime focus directed at analysis and evaluation of existing sociological research. Students will also have the opportunity to design and execute a limited piece of individual research.
Prerequisite: Sociology 221, 222; permission of the instructor required for 382. Three credit hours.
*Social Change

instructor: MR. GEIB

Although an historical approach is used at times, this course primarily theoretical. The mechanisms, functions, and the consequences of social change. Particular attention is given to the relevance of social change for the social order.

Prerequisite: Sociology 221, 222. Three credit hours.

Complex Social Organizations

MR. GEIB

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.

Prerequisite: Sociology 221, 222. Three credit hours.

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

Collective Behavior

MR. GEIB

A course which 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 function in modern society.

Prerequisite: Sociology 381. Three credit hours.

Sociology Seminar

MR. BIRGE

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

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

Normative Social Theory

MR. DOEL

Normative social theory with special emphasis upon such works as Plato's Republic, Owen's A New View of Society, and Bellamy's Looking Backward.

Prerequisite: Sociology 221, 222. Three credit hours.

History of Sociological Theory

MR. MORRIONE

The history of sociology, and a critical examination of the systems of thought about society and human nature. The place of theory in social research is emphasized.

Prerequisite: Sociology 221, 222. Three credit hours.

Special Topics

MR. ROSENTHAL

The topic for 1973 is "Minority Response." An examination of the social psychology of minority group membership. Attention will focus upon such matters as the "melting pot" vs. cultura
pluralism, racial pride vs. self-hatred, the significance of minority characteristics vs. those of the majority.

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

1, 492 Topics in Sociology

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

Prerequisite: Senior standing and permission of the department. Two to four credit hours.

Terdepartmental Course

Psychology 353d, Social Psychology, is also applicable toward fulfillment of the major in sociology (see psychology listings for description of this course). Three credit hours.

Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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

11, 112 Elementarv Spanish

Introduction to the language by an audiolingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. Class meets daily Monday through Friday. Four credit hours.

13, 114 Intermediate Spanish

Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin American literature. Studies and grammar review supplemented with drill work in the laboratory.

Prerequisite: Spanish 112 or two years of high-school Spanish and appropriate score on the placement test. Three credit hours.

25, 126 Introduccion Al Mundo Hispanico

The Hispanic tradition reflected in the works of major figures of Spain and Latin America. In-depth study of selected works with collateral readings. A supplementary hour of language work (Spanish 127, 128) is recommended.

Prerequisite: Spanish 114. Three credit hours.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
</table>
| 127, 128    | Writing Workshop in Spanish | Practice in writing, free composition, grammar review.  
Prerequisite: Student must be registered concurrently in Spanish 125, 126. One credit hour. |
| 257         | The Generation of 1898 | The more important members of the generation of 1898, with emphasis on Unamuno, Azorín, Baroja, Valle-Inclán, and Machado.  
Prerequisite: Spanish 126. Three credit hours. |
| *258        | Spanish Literature of the Twentieth Century | Outstanding prose and poetic works of the contemporary period, with emphasis on living authors.  
Prerequisite: Spanish 126. Three credit hours. |
| 271         | Protesta Y Violencia | An exploration and analysis of Hispanic literature of social protest and its violent manifestations.  
Prerequisite: Spanish 126. Three credit hours. |
| *272        | Latinoamerica: El Indio Y El Negro | The portrayal of the Indian and the Black in contemporary Latin American literature.  
Prerequisite: Spanish 126. Three credit hours. |
| 315         | La Espana de Galdos | A panorama of nineteenth-century Spain seen through the novelistic documentation of Benito Pérez Galdós.  
Prerequisite: Spanish 126. Three credit hours. |
| †[332]      | La Nueva Novela Hispanoamericana | A study of the contemporary Spanish-American novel. Authors to be studied will include Borges, Carpentier, Fuentes, García Márquez, Rulfo, Vargas Llosa.  
Prerequisite: Spanish 126. Three credit hours. |
| *351        | The Theatre of the Golden Age | The theatre of the Golden Age, with emphasis on Lope de Vega, Tirso de Molina, Ruiz de Alarcón, and Calderón de la Barca.  
Prerequisite: Spanish 126. Three credit hours. |
152

The Novel of the Golden Age, with particular attention to the picaresque novel, the Novelas Ejemplares, and Don Quixote of Cervantes.

*Prerequisite:* Spanish 126. *Three credit hours.*

55]

Spanish Drama and Poetry of the Nineteenth Century

Spanish poetry and drama in the nineteenth century, with emphasis on the more important romantic and realistic dramatists and poets.

*Prerequisite:* Spanish 126. *Three credit hours.*

11-L

Teaching of Modern Foreign Languages

Problems and methods of teaching Spanish. 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:* Six hours of Spanish beyond 126. *Three credit hours.*

91, 492

Topics in Spanish Literature

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

93, 494

Seminar in Spanish and Latin American Literature

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.*

Topics which change each semester may cover an author, a genre, or a literary movement. Required for senior majors.

*Prerequisite:* Permission of the instructor. *Three credit hours.*
Preparation for Graduate and Professional Schools

The director of career counseling advises on matters related to graduate study; information on graduate programs is available in his office. He works 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 graduate and professional school admission tests for prospective applicants to graduate schools of arts and sciences, law, medicine, and business administration.

<table>
<thead>
<tr>
<th>ARTS AND SCIENCES</th>
<th>Every year, Colby graduates enter many different graduate schools to work toward advanced degrees in art, music, history, classical 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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW AND GOVERNMENT SERVICE</td>
<td>The committee on professional preparation for law and government service advises students preparing for careers in these areas. The pre-law student may major in 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.</td>
</tr>
<tr>
<td>DENTISTRY</td>
<td>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 pre-medical preparation committee is advisory to candidates for dentistry, as well as to those for medicine.</td>
</tr>
<tr>
<td>MEDICINE</td>
<td>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. The committee on professional preparation for medicine,</td>
</tr>
</tbody>
</table>
which should be consulted by the student early in his freshman year, strongly advises that mathematics be pursued at least through the first year of calculus. Organic chemistry, as well as general chemistry, is required.

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

**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 College and two at the University. 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 which 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.

The committee on professional preparation for engineering serves as adviser to students intending to enter graduate schools of engineering.

**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.

**SECONDARY SCHOOL TEACHING**

Because education is an eclectic, interdisciplinary study which 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 certification in Maine and most other states in the fields of English, social studies, science, mathematics, and commonly taught foreign languages. Because certification requirements vary, however, the student who plans to
teach outside of Maine should obtain further information from the appropriate state department of education.

A fifth year of preparation at another institution will be required for those who want to defer professional education training, and for those who want to prepare for certification in preschool and elementary teaching, special education, guidance, administration, and special subjects such as art and music.

Most states expect certified teachers to obtain the master's degree within five years. Master of Arts in Teaching programs are available, which commonly involve a semester of paid internship teaching, advanced work in the major field, and professional courses. These programs provide both the master's degree and full certification.

The Colby Placement Office, the Office of Education, and the Secondary School Teaching Committee advise students interested in graduate work in the field of education.

The training for positions in business and industry offered by the graduate schools of business administration at Harvard, Chicago, Cornell, the Wharton School of the University of Pennsylvania and the Amos Tuck School of Dartmouth College, leads many Colby graduates to seek admission into these and similar schools. The department of administrative science serves as general adviser for graduate work of this sort. Seniors who have such a program in mind are encouraged to take the admission test for graduate study in business.
Directories and Appendices
III DIRECTORIES AND APPENDICES

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   COLLEGE CALENDAR, 1972-73, INSIDE BACK COVER
# The Corporation

**Corporate Name** The President and Trustees of Colby College

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Degree(s)</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Chairman of the Board</td>
<td>Albert Carlton Palmer, B.A., M.A.</td>
<td></td>
<td>Stoneham, Massachusetts</td>
</tr>
<tr>
<td>Dean of the Faculty</td>
<td>Paul Gerhard Jenson, Ph.D.</td>
<td></td>
<td>Waterville, Maine</td>
</tr>
<tr>
<td>Administrative Vice-President</td>
<td>Ralph Samuel Williams, M.B.A.</td>
<td></td>
<td>Belgrade, Maine</td>
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<tr>
<td>President for Development</td>
<td>Edward Hill Turner, B.A.</td>
<td></td>
<td>Waterville, Maine</td>
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<tr>
<td>Secretary</td>
<td>Ralph Samuel Williams, M.B.A.</td>
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<td>Waterville, Maine</td>
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<tr>
<td>Treasurer</td>
<td>Robert White Pullen, Ph.D.</td>
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<td>Waterville, Maine</td>
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<tr>
<td>Secretary</td>
<td>Ralph Samuel Williams, M.B.A.</td>
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<td>Waterville, Maine</td>
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**Secretary**

<table>
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<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Asa Charles Adams, M.D.</td>
<td></td>
<td>Orono, Maine</td>
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<tr>
<td>Robert Newton Anthony, D.C.S., L.H.D.</td>
<td></td>
<td>Boston, Massachusetts</td>
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<tr>
<td>Clifford Allan Bean, M.B.A.</td>
<td></td>
<td>Concord, Massachusetts</td>
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<tr>
<td>Norman L. Cahnners, A.B., LL.D.</td>
<td></td>
<td>Boston, Massachusetts</td>
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<tr>
<td>Alida Milliken Camp (Mrs.), B.A., M.A.</td>
<td></td>
<td>East Bluehill, Maine</td>
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<td>Clark Hopkins Carter, B.A., M.A.</td>
<td></td>
<td>Chappaqua, New York</td>
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<tr>
<td>Harrison Chandler, B.A., M.A.</td>
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<td>Los Angeles, California</td>
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<td>H. King Cummings, B.S., M.A.</td>
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<td>Guilford, Maine</td>
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<td>Nissie Grossman, M.B.A.</td>
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<td>Newton, Massachusetts</td>
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<td>Wallace Meredith Haselton, M.A.</td>
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<td>Augusta, Maine</td>
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<td>Jean Gannett Hawley (Mrs.), H.H.D., L.H.D.</td>
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<td>Portland, Maine</td>
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<td>Theodore Roosevelt Hodgkins, B.S., M.A.</td>
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<td>Wilton, Maine</td>
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<td>Ellerton Marcel Jetté, LL.D.</td>
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<td>Doris Helen Kearns, Ph.D.</td>
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<td>Cambridge, Massachusetts</td>
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<td>Robert Allen Marden, LL.B.</td>
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<td>Waterville, Maine</td>
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<td>Rita Ann McCabe, B.A., M.A.</td>
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<td>Bronxville, New York</td>
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<td>Albert Carlton Palmer, B.A., M.A.</td>
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<td>Wilson Collins Piper, LL.B.</td>
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<td>Boston, Massachusetts</td>
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<td>Frederick Albert Pottle, Ph.D., LL.D., Litt.D., L.H.D.</td>
<td></td>
<td>New Haven, Connecticut</td>
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<td>John Franklin Reynolds, M.D.</td>
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<td>Waterville, Maine</td>
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<td>Dwight Emerson Sargent, B.A., M.A.</td>
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<td>Cambridge, Massachusetts</td>
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<tr>
<td>Joseph Coburn Smith, M.A., L.H.D.</td>
<td></td>
<td>South Portland, Maine</td>
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<tr>
<td>Reginald Houghton Sturtevant, B.A., LL.D. 2</td>
<td></td>
<td>Livermore Falls, Maine</td>
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<tr>
<td>W. Clarke Swanson, Jr., B.A., M.A.</td>
<td></td>
<td>Fort Myers Beach, Florida</td>
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<tr>
<td>Arthur Totten Thompson, M.B.A., Sc.D.</td>
<td></td>
<td>Boston, Massachusetts</td>
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<tr>
<td>Sigrid E. Tompkins, LL.B.</td>
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<td>Portland, Maine</td>
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</table>

1Successor to Arthur William Seepe as of February 1, 1972.

2Honorary life member.
FELLOWS OF COLBY COLLEGE

CARLETON D. BROWN
JAMES R. COCHRANE
AUGUSTINE A. D'AMICO
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BARBARA AND SUMNER DORFMAN
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Bangor, Maine
Longmeadow, Massachusetts
Newton, Massachusetts
Bangor, Maine
Waterville, Maine
Brownville, Maine
Haverhill, Massachusetts
Kittery, Maine
Waterville, Maine
Bangor, Maine
Bangor, Maine
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Danvers, Massachusetts
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Yarmouth, Maine
Waterville, Maine
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Waterville, Maine
Waterville, Maine
Dover-Foxcroft, Maine
Waterville, Maine
Waterville, Maine
Oyster Harbors, Mass.
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Messrs. Drummond, Hutchins, Pullen.

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Mrs. Hutchins, Mrs. Jetté, Mrs. McGorrill; Messrs. Dyer, McGowan.
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Mrs. Piper.
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Professor-Emeritus of Latin

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Roberts Professor-Emeritus of English Literature

Webster Chester, M.A., L.H.D.
Professor-Emeritus of Biology

Professor-Emeritus of Education and Psychology

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Professor-Emeritus of Physics and Astronomy

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Associate Professor-Emeritus of Physical Education

Ernest Cummings Marriner, M.A., L.H.D.
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Professor-Emeritus of Human Development

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Professor-Emeritus of Modern Languages

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Associate Professor-Emeritus of Education

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Frances Fenn Seaman (Mrs.), B.Mus.
Dean-Emeritus of Students

Norman Swasey Smith, M.Ed.
Associate Professor-Emeritus of Education
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*Professor of Sociology*

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*Dana Professor of French Literature*

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Associate Professor of Physics

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JACK DONALD FONER, PH.D.  (City College of New York, Columbia)  
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HENRY ALBERT GEMERY, PH.D.  (Southern Connecticut, Harvard, Pennsylvania)  
Associate Professor of Economics

DON G. HARRIS, B.A.  (Park) (Lt. Col., USAF)  
Associate Professor (designated Professor) of Aerospace Studies

CHARLES F. HICKOX, JR., PH.D.  (Harvard, Columbia, Yale)  
Associate Professor of Geology; Director of Financial Aid; Coordinator of Government Supported Programs

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

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

COLIN EDWARD MACKAY, PH.D.  (Brown)  
Associate Professor of English

WILLIAM BLACKALL MILLER, PH.D.  (Harvard, Columbia)  
Associate Professor of Fine Arts
Paul Powers Perez, Ph.D. (U.S. Coast Guard Academy, New York University)
*Associate Professor of Psychology*

*Associate Professor of Chemistry*

Jonas Oettinger Rosenthal, M.A. (Swarthmore, North Carolina)
*Associate Professor of Sociology; Coordinator of Student Advising*

Henry Otto Schmidt, Ph.D. (Ursinus, Pennsylvania, Boston University)
*Associate Professor of Modern Languages*

Arthur William Seepe, M.C.S.² (Dartmouth, Amos Tuck)
*Associate Professor of Administrative Science; Treasurer*

Irving David Suss, Ph.D. (North Carolina, Columbia)
*Associate Professor of Dramatics in the Department of English*

Peter Westervelt, Ph.D. (Harvard)
*Associate Professor of Classics*

John Worde Winkin, Jr., Ed.D (Duke, Columbia)
*Associate Professor of Physical Education*

Floyd Celand Witham, M.A. (Colby, Stanford)
*Associate Professor of Speech in the Department of English*

Willard Gordon Wyman, Ph.D. (Colby, Stanford)
*Associate Professor of English; Dean of Students*

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Donald Bruce Allen, Ph.D. (Fresno State, Illinois)
*Assistant Professor of Geology*

Charles Walker Bassett, Ph.D. (South Dakota, Kansas)
*Assistant Professor of English*

Edward G. Bierhaus, Jr., S.T.B., D.F.A. (University of the South, General Theological Seminary, Yale)
*Assistant Professor of English*

Edward Joseph Burke, M.S.T. (Colby, New Hampshire)
*Assistant Professor; Alumni Secretary*

Harry Rowland Carroll, M.A. (New Hampshire)
*Assistant Professor of Psychology; Dean of Admissions*

Sylvain Louis Cassol, D.E.S. (Rennes, Sorbonne)
*Assistant Professor of Modern Languages*

Arthur Kingsley Champlin, Ph.D. (Williams, Rochester)
*Assistant Professor of Biology*
GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas)
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WALDO HERBERT COVELL, M.Ed. (Maine)
Assistant Professor of Physical Education

DANE JOSEPH COX, M.A. (Harpur, Cornell)
Assistant Professor of Economics

MICHAEL JOSEPH DE SISTO, JR., Ph.D. (Maine, Tufts)
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Wayne Lee Smith, ph.d. (Hartwick, Pennsylvania State)
Assistant Professor of Chemistry

David George Stratman, ph.d. (Xavier, North Carolina)
Assistant Professor of English

John Robert Sweney, ph.d. (Colorado College, Claremont, Wisconsin)
Assistant Professor of English

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Assistant Professor; Director of Special Programs

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Sir Tibor Yusti, diploma with first honors (Royal Conservatory, Antwerp, Belgium)
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Instructor in Government

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Instructor in History

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Instructor in Modern Languages

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Instructor in Physical Education

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Instructor in Modern Languages

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*Lecturer in Government; Director of Financial Aid and Career Counseling*

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*Audio-visual Librarian*

HUGH JAMES GOURLEY III, A.B. (Brown)
*Director of Art Museum*

WILLIAM WALTER HILL, M.S. (St. Michael’s, Long Island University)
*Cataloger of Special Collections*

CAROLYN BEVERLY SMITH, M.L.S. (California at Davis, California at Berkeley)
*Resources Librarian*

BYRON VAN WHITNEY, M.S. (Bowdoin, Case Western Reserve)
*Technical Services Librarian*

1On leave, first semester, 1971-72.
2On leave, second semester, 1971-72.
4First Semester only, 1971-72.
5Part-time.
6In France, 1971-72. Junior Year in France Program.
7Deceased, October 7, 1971.
CENTER FOR COORDINATED STUDIES

DIRECTOR Howard L. Koonce.

FACULTY CHAIRMAN Peter Westervelt.


COLLEGE COMMITTEES 1971-72

The President of the college, and in his absence the Dean of the Faculty, shall be a member ex officio of all committees of the college; the first-named member of each committee is its chair

ADMINISTRATIVE

President Strider; Dean Jenson; Vice-President Williams; Dean Wyman; Professors Westervelt (72), Jacobson (73), Allen (74); Assistant to the President, Mr. Dyer; Professor Kany (Secretary nonvoting); three students (Mrs. Whitney; Messrs. Borman Roulston).

ADMISSIONS

Deans Jenson, Carroll, Wyman, Downing; Vice-President Williams; Professors Scott (72, Sem. i), Hudson (replacing Scott, Sem. ii), Curran (73, Sem. i), Peters (replacing Curran, Sem. ii); Longstaff (74); Director of Career Counseling, Mr. Farr; three students (Miss Ross; Messrs. Brown, Goldman); one nonvoting alumnus (alumna), Mrs. Stephenson.

Subcommittee on Foreign Students

Professor Holland; Dean Carroll; Director of Financial Aid, Mr. Farr; Registrar, Professor Coleman; Professors Cassol, Easton; Mr. Arnold; four students (Messrs. Chan, Dunn, Marden; Miss Mycock).

AFROTC

Professors Burke, Clark, Dunlevy, Harris, Ray; four students (Miss St. Hilaire; Messrs. Knight, Rinaldi, Smith).

ARCHITECTURAL

Professors Suss, Birge, Blake; Vice-President Williams; Dean Jenson; three students (Miss Everton; Messrs. Quinn, Ridley).

ATHLETICS

Professors Machemer, Burke, Hayslett, Kempers, Pestana, Winkin; five students (Miss Richards; Messrs. Blanker, Colburn, Perkins, Windsor); one nonvoting alumnus, Mr. Beach.
BOOKSTORE

Professors Knight, Gemery, Seepe; Mr. Doan; three students (Misses Lowe, Mattern; Mr. Lawless).

AMPHUS NATURAL ENVIRONMENT

Professors Johnson, Dunlevy, Gilbert, Stratman, Witham; Vice-President Williams; Superintendent of Buildings and Grounds, Mr. Grindall; two students (Misses Olivet, Wetmore).

COMMENCEMENT

Director of Student Activities, Mr. Zacamy; Vice-Presidents Williams, Turner; Registrar, Professor Coleman; Assistant to the President, Mr. Dyer; Superintendent of Buildings and Grounds, Mr. Grindall; Alumni Secretary, Professor Burke; Director of Special Programs, Professor Walker; Director of Food Service, Mr. O'Connor; Director of Publications, Mr. Sanborn; College Marshall, Professor Junghans; Professors Berschneider, E. Compagretti, P. Doel, Schulten, Winkin; senior class officers (Messrs. Bigelow, Campbell; Misses Gervais, Round).

EDUCATIONAL POLICY

Dean Jenson; President Strider; Professors Parker, Fowles, Sutherland (72), Berschneider (72), W. Smith (72), Metz (73), Pullen (72), Carpenter (73); without vote: Dean Wyman; Professor Kany (Secretary); alumni representative, Mrs. Piper; three students selected by Student Government (Miss Kinney; Messrs. Cummings, Lynch); two students appointed by the president (Miss O'Hanian; Mr. Hogan).

Subcommittee on Interdisciplinary Programs

Dean Jenson; Professors Bassett, Geib, Gilbert, H. Koonce, Rosen, Thorwaldsen.

EXAMINATIONS AND SCHEDULES

Registrar, Professor Coleman; Professors Cauz, Combellack, MacKay, McGee, D. Reuman, G. Smith, W. Zukowski; two students (Miss Illingworth; Mr. Bowie).

FINANCIAL AID

Vice-President Williams; Deans Carroll, Smith, Wyman; Treasurer, Professor Pullen; Director of Financial Aid, Mr. Farr; Professors Thorwaldsen (72), Allen (73), Brancaccio (74); Landisman (74); four students (Misses Gervais, Neikirk, Selby; Mr. Lebel); one nonvoting alumnus, Mr. Vigue.

FINANCIAL PRIORITIES

Vice-President Williams; Dean Jenson; Professors Hudson (72), Machemer (73), Miller (74); one nonvoting alumnus, Mr. Rowell; three students (Messrs. Alford, Gawthrop, Swardlick).

FOREIGN STUDIES AND STUDENT EXCHANGE

Professors Kellenberger, Curran (Sem. 1), Bierhaus (Sem. 11), Filosof, Johnson, Mannur; Registrar, Professor Coleman; Dean Downing; Coordinator of Student Advising, Professor Rosenthal; Mr. Critchfield; four students (Misses Sartucci, Staples; Messrs. Drouin, Roundy).
FRESHMAN WEEK  Director of Student Activities, Mr. Zacamy; Deans Wyman Smith; Registrar, Professor Coleman; Professors Meader, Rethenthal; five students (Misses Corydon, Hopley, Maull, Perethian Mr. Hanf).

HONORARY DEGREES  Professors Reid, Marks, Matthews, Mizner, Raymond, Ré, Shaw Todrank, Weissberg; two students (Misses Sherer, Witham).

LIBRARY  Professors Jacobson, Doel, Foner, Fuglister, Gillum, Russ, W Smith, Zohner; Librarians, Professors Blake, Shaw; five student (Misses Andrews, Bonner, McIntyre; Messrs. Elliot, Sugden).

PROFESSIONAL PREPARATION
  College Teaching  Professors Schmidt, D. Koonce, Small; one student (Mr. Duddy)
  Engineering  Professor Bancroft.
  Law and Government Service  Professors Berschneider, Cox, Weissberg; one student (Mr. Lebel)
  Medicine and Dentistry  Professors Terry, DeSisto, Maier; one student (Miss Wintringham).
  Secondary School Teaching  Professors Jacobson, Hunt, Knox, E. Pestana; one student (Miss Shreve).
  Theology  Professor Thorwaldsen; Mr. Longstaff; one student (Mr. Blaxton)

RIGHTS AND RULES  Professor Thorwaldsen, Miss Locke (student), Cochairmen Deans Smith, Downing; Professors Dunlevy (73), L. Zukowski (72); seven students (Misses Chester, Littleton, Locke, Nielson Ross; Messrs. Amato, Levine).

SAFETY  Superintendent of Buildings and Grounds, Mr. Grindall; Treasurer, Professor Pullen; Dean Smith; Assistant to the Treasurer Mr. Reinhardt; Professor Covell; three students (Misses Floyd Piper; Mr. Dupuy).

SENIOR SCHOLARS  Professors Maier, Bancroft, Bridgman, Cary, Miller, Mursin, F Perez; two students (Miss Muzzy; Mr. Thompson).

SPECIAL PROGRAMS  Professors Geib, Kueter, Lester, Raymond, Small; Dean Jenson Director of Special Programs, Professor Walker; Coordinator o Student Advising, Professor Rosenthal; four students (Miss Smart; Messrs. Christensen, Hancock, Rouhana).

STANDING  Professors Pullen, P. Bither, Koons; Deans Jenson, Wyman; Registrar, Professor Coleman; two nonvoting members, Dean of Admissions, Professor Carroll and Coordinator of Student Advising Professor Rosenthal; two students (Mr. Rappaport; Miss Bernard).
ACULTY COMMITTEES

GRADUATE SCHOLARSHIP Dean Jenson; Director of Career Counseling, Mr. Farr; Professors Bassett, P. Bither, A. Comparetti, Kenney, D. Reuman, Sweney, Todrank, Weissberg, L. Zukowski.

GRIEVANCE Professors Raymond, Kenney, MacKay.

NOMINATING Professors Reid, Bancroft, Howard, Scott, Thorwaldsen, Weissberg, Westervelt.

REMEMBRANCE Professors M. Bither, Hodsdon, Todrank.

RESEARCH, TRAVEL, SABBATICAL Dean Jenson; Vice-President Williams; Professors Carpenter, Gillespie, Reid.

SOCIAL Professors Ré, Green, Hodges.

CONFERENCE AND REVIEW BOARD Eighteen Faculty Members:
Elected to represent Humanities Division: Professors Holland, Kenney, Westervelt.
Elected to represent Social Sciences Division: Professors Gillespie, Jacobson, Johnson.
Elected to represent Natural Sciences Division: Professors Koons, Dudley, H. Pestana.
Elected to represent Division of Aerospace Studies: Professor Harris.
Elected to represent Division of Physical Education: Professor M. Bither.
Elected at large: Professors Bershneider, Carpenter, Fowles, Geib, P. Perez, Sutherland, L. Zukowski.

Eighteen Students: Misses Chester, Ford, Perethian, Shreve, Williams; Messrs. Cappiello, Casto, Hogan, Hugonnet, Koss, Lynch, Madden, Nahra, Peck, Rappaport, Shadoff, Sherman.

FACULTY REPRESENTATIVES TO STUDENT GOVERNMENT Professors R. Doel, Filosof, Fowles, Landsman, Thorwaldsen.

STUDENT REPRESENTATIVES TO FACULTY MEETINGS Misses Christensen, Nielson, Ross; Messrs. Crigler, Curtis, Garcelon, Hogan.
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DEAN OF STUDENTS
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1Successor to Robert E. Wilson as of February 1, 1972.

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*Secretary, Alumni Office*

Esther Trott (Mrs.)
*Secretary, Development Council*

Dorothy I. Walton
*Secretary to Vice-President for Development*

Elizabeth E. Warren (Mrs.)
*Secretary to the Administrative Vice-President*

Barbara Williamson (Mrs.)
*Mailing Room Clerk*

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*Sanitation Foreman*

Robie F. Bickmore
*Heating Foreman*

Fernand J. Michaud
*Outside Foreman*

Roy Brackett
*Electrical Foreman*

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*College Physician*

John F. Reynolds, M.D.
*Consultant in Surgery*

Carl E. Nelson, M.Ed.
*Director of Health Services*

Philip Swett
*Assistant, Health Services*

Priscilla Sargent, R.N.
*Head Nurse in Residence*

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Marion Collins (Mrs.), R.N.

Elizabeth Frost (Mrs.), R.N.

Lorena Grard (Mrs.), L.P.N.

Penelope A. Maheu (Mrs.), R.N.

Medora Savasuk (Mrs.), R.N.

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*Assistant Manager, Roberts Union Dining Hall*

Inza T. Foster (Mrs.)
*Manager, Foss Dining Hall*

John Jenkins
*Manager, Dana Dining Hall*

Duane Rancourt
*Manager, Roberts Union Dining Hall*

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*Dana*

John Lombard
*Coburn*

Edward Rockstein
*Robins*

The Rev. Roland W. Thorwaldsen
*Leonard, Marriner, Sturtevant, and Taylor*

Mr. and Mrs. Gary Vencill
*Foss and Woodman*
# Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL LOCATIONS OF STUDENTS' HOMES, 1971-72

<table>
<thead>
<tr>
<th>State/Land</th>
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Each * denotes one American citizen.
Honors and Awards

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; newly elected members of Blue Key, honor society for senior men and senior women; 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 graded credit hours for upperclassmen, 3.0 in a minimum of twelve graded credit hours for freshmen.
College Prizes 1970-71

**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.

*Richard Lamb Gawthrop ’73, Charles James Hogan ’73, Stephen Chester Jasinski ’73, William Peter Mayaka ’73.*

*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 Scholarship.*

*David William DeLong ’73, Vincent George Guess ’73.*

*Colby Library Associates Book Prize.*

*Richard Cook Shippee ’71.*

*Condon Medal.* Gift of the late Randall J. Condon, 1886, awarded to the senior who, by vote of his classmates and approval by the faculty, is deemed “to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life.”

*Frank Olusegun Olatunde Apantaku ’71.*

*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.

*Susan Louise Alling ’73.*

*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.”

*Susan Byers Francis ’74, Stephen Martin Kelsey ’74.*

*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.
**Kathleen Jane Otterson '72.**

**Lieutenant John Parker Holden, II, Award.** For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.
**Brian Edward Cone '73.**

**Donald P. Lake Award.** Given to a senior whom the Varsity "C" Club selects for outstanding scholastic achievement, athletic leadership, and ability.
**Ronald William Lupton '71.**

**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.
**Michael Joseph Szostak '72.**

**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.
**Margaret Anne O'Hanian '72.**

**George T. Nickerson Award.** Presented by the Interfraternity Council to the fraternity which fosters to the greatest extent student, faculty, and administrative relations.
Not awarded.

**Ninetta M. Runnals Scholarship.** Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.
**Elizabeth Jordan Sherer '72.**

**Scott Paper Foundation Award for Leadership.** Awarded to a sophomore man who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.
**Kenneth Woodard Gorman '73.**

**Student Government Service Awards.** Presented to a senior man, a senior woman, and a college employee for service to the college.
Robert Earle Parry '71, Claudia Frances Caruso '71, F. Elizabeth Libbey, associate librarian.

Philip W. Tirabassi Memorial Award. A book awarded to junior man who has "willingly assisted his classmates, promoted the best interests of the college, and maintained a superior academic average."

Frederick William Valone '72.

Carrie M. True Award. Given to a woman selected for pronounced religious leadership and influence on the life of the college.

Jane Elizabeth Sutherland '74.

Waterville Area Colby Alumni Association Award. Presented for scholastic and personal achievement to a senior from the Waterville area.
Not awarded.

Administrative Science

James J. Harris Prize.
John Christopher Atkinson '72, Lawrence Charles Bigelow '72, Robert Edwin Hickey, Jr. '72.

Ernest L. Parsons Prize.
Douglas Edward Reinhardt '71, Philip Saul Singer '72.

The Wall Street Journal Award in Finance.
Philip Saul Singer '72.

Art and Architecture

Architectural Model Prizes.
1st Prize: James Dean Ridley '72.
2nd Prize: Catherine Ann Delano '71, Whitford Randall Strickland '72.
3rd Prize: Alan Bronson Moss '71, Christopher Wayne Pinkham '72.

George Adams Dietrich Award.
Pamela Zay Livingston '72.

Charles Hovey Pepper Prize.
Duncan Adams Hewitt '71.

Classics

John B. Foster Prize.
Marianne Olivia Perry '71, Elaine Clara Weeks '71.

Dramatics

Andrew Blodgett Award.
Thomas D. Frick '71.

Economics

Departmental Prize in Economics.
Cemal Yalinpala '71.
ENGLISH  
Mary Low Carver Prizes for Poetry.
Women: 1st Prize: Andrea Marie Solomon '71.
2nd Prize: Wendy Knickerbocker '73.
Men: 1st Prize: Richard John Page (special).
2nd Prize: Philip Jay Byers '71.

George Adams Dietrich Award in Literature.
Rosamond Ellen Teto '72.

Solomon Gallert Short Story Prizes.
1st Prize: Francine Denise Carr '74.
2nd Prize: Scott Michael Levine '73.

Elmira Nelson Jones Essay Prize.
Anthony Martin Maramarco '71.

HISTORY AND GOVERNMENT  
The F. Harold Dubord Prize in Political Science.
Robert Francis Hyland '71.

Paul A. Fullam History Prize.
Margaret Frances Wiehl '71.

Edward Lampert History Prize.
Ronald William Lupton '71.

William J. Wilkinson History Prize.
Christine Murphy '72.

MODERN LANGUAGES  
Delta Phi Alpha German Prize.
Not awarded.

French Consulate Book Prizes.
Roger Garry Cottingham '71, Audrey Gertrude Rushton '71, Rebecca Pauline Routh '72, Philip Saul Singer '72, Susan Hoy Terrio '72, Barbara Lynn Gregory '73, Cynthia Carol Santillo '73, Barbara Foster Ryder '74, Andrew Martin Zeller '74.

German Club Prizes.
Combined with German Consulate Book Prizes.

German Consulate Book Prizes.
Deborah Constance Shallcross '71, Ellen Elizabeth Jones '72, Karen Wintringham '72, Stephen Martin Kelsey '74.

Japanese Embassy Book Prizes.
Leslie Jean Kazanjian '74, Karen Dee Sawitz '74.

Harrington Putnam German Prizes.
Frederick William Valone '72, Susan Louise Alling '73, William Kimball Oakes '73, Ann Louise Mason '74, Darryal Omar Wynn '74.
Russian Book Prizes.
Mary Louise Burgess '71, Judith Sue Kenoyer '71, Elizabeth Jones '72, Rebecca Pauline Routh '72.

Spanish Book Prizes.
Cheryl Alison Fraser '74, Norman James Rattley, Jr. '74, Kathleen Elizabeth Vadillo '74.

Music
Colby College Band Award.
Ernest Albert Simpson III '71.

Glee Club Award.
Marguerite Louise Baxter '71, Sterling Andrew Green '71.

Alma Morrissette Award.
Not awarded.

Symphony Orchestra Awards.
Marion Saville Agnew '71, David Warham Gilmore '72, Karen Holm Sawyer '72.

Natural Sciences
ACS Undergraduate Award in Analytic Chemistry.
Frederick William Valone '72.

American Institute of Chemists Medal.
Roger Alan Shell '71.

The Webster Chester Biology Prize.
Margaret Macy DeLong '71.

Chi Epsilon Mu Prize in Chemistry.
Richard David Steinberg '74.

Departmental Prizes in Science.
Biology: Meryl Susan LeBoff '71, William Charles Earnshaw '72, Barbara Gertrud Friederike Hoene '73.
Chemistry: Thomas Emanuel Gallant '71, Timothy Stephen Carey '72, Judy Beatrice Gundel '73.
Geology: Linda Kay Wackwitz '72, James Russell Putnam '73.
Physics: Susan Catherine Cooper '71, Stephen John Kariaian '74.

Samuel R. Feldman Award for Premedical Studies.
Timothy John Richardson '71.

Mark Lederman Prize for Study of Medicine.
Frank Olusegun Olatunde Apantaku '71.

Mark Lederman Scholarships in Biology.
Darlene Ramona Ford '72, Christine Paterson Mattern '73.

William A. Rogers Prize in Physics.
Richard Portlock Giles '72.
PHILOSOPHY  
Naravane Essay Prizes.
1st Prize: Gail Ann Reilly '72.
2nd Prize: Cynthia Carol Santillo '73.

Stephen Coburn Pepper Prize in Philosophy.
Barbara Jane Koertge '71.

PUBLIC SPEAKING  
Coburn Speaking Prizes.
1st Prize: Portia Glenn Iverson '72.
2nd Prize: Alan David Tuttman '71.
3rd Prize: Connally Keating '71.

Goodwin Public Speaking Prizes.
1st Prize: Christopher Brian Sample '72.
2nd Prize: Gary Philip Arsenault '73.
3rd Prize: Stephen Paul Rappaport '72.

Hamlin Speaking Prizes.
1st Prize: Margaret Nena Barnes '74.
2nd Prize: Elizabeth Jane Corydon '74.

Julius and Rachel Levine Speaking Prizes.
1st Prize: Charles James Hogan '73.
2nd Prize: Sara Ann Earon '74.
3rd Prize: Stephen Paul Rappaport '72.

Herbert Carlyle Libby Prize.
Not awarded.

Murray Debating Prizes.
1st Prize: Patricia Marie Flanagan '73, Stephen Paul Rappaport '72.
2nd Prize: Elizabeth Jane Corydon '74, Ralph Frederick Field '74.

SOCIOLOGY  
Albion Woodbury Small Prize.
Not awarded.

ATHLETICS  
J. Seelye Bixler Award in Track.
Michael Hayes Salvetti '71.

James Brudno Award in Track.
Daniel Thomas Blake '71.

Coaches Awards.
Basketball: Mark Thomas Hiler '71.
Football: Dennis Scott Cameron '71.
Hockey: David Walworth Williams '71.

David W. Dobson Memorial Skiing Award.
Connally Keating '71.
Peter Doran Award in Track.
PETER MACE PRIME '74.

Paul F. "Ginger" Fraser Award for a Non-Letterman in Football.
JEREMIAH FRANCIS MINIHAN '74.

Free Throw Award in Basketball.
DOUGLAS EDWARD REINHARDT '71.

Robert LaFleur Memorial Basketball Award.
DOUGLAS EDWARD REINHARDT '71.

Gilbert F. "Mike" Loeb Soccer Award.
JACK DENNIS HARTUNG '71.

Ellsworth W. Millett Award for Outstanding Contribution to Athletics over Four Years.
DOUGLAS EDWARD REINHARDT '71, MICHAEL HAYES SALVETTI '71.

Ellsworth W. Millett Hockey Award.
STEPHEN ANDREW SELF '72.

Cy Perkins Track Award.
RICHARD MERLE BEVERAGE '73.

Edward C. Roundy Memorial Baseball Award.
MICHAEL CHARLES LAPENNA '74.

Mike Ryan Track Award.
DANA WILLIAM FITTS '72.

Theodore N. Shiro Basketball Award.
MORRIE HERMAN '73.

Herbert E. Wadsworth Football Award.
DAVID RAYMOND LANE '73.

Robert "Tink" Wagner Baseball Award.
GARY DAVID MILLEN '74.

Norman E. Walker Hockey Award.
RICHARD ERIC ENGLUND '73.

Norman R. White Leadership and Sportsmanship Award.
JOHN THOMAS HOPKINS '71.
Honors and Degrees

DEGREES AWARDED AT COMMENCEMENT
SUNDAY, JUNE 6, 1971

BACHELOR OF ARTS

Richard Alan Abramson, Natick, Mass.
Carolyn Judy Additon, Pittsburgh, Pa.
Marion Saville Agnew, Richmond, Va.
William Agrella, Somerset, Mass.
Elizabeth Harrington Allen, Bethlehem, Conn.
Susan Alway, Portola Valley, Calif.
Joyce Madeleine Amero, East Walpole, Mass.
Leslie Jane Anderson, New London, Conn.
William Wilton Anthony III, South Hadley, Mass.
Frank Olusegun Olatunde Olukayode Apantaku, Apapa, Nigeria
Deborah Jane Asbeck, Valencia, Venezuela
Dana Cartwright Baldwin, Fair Lawn, N. J.
Rice Rowell Barnes, Needham, Mass.
Edward Gregory Barry, Marblehead, Mass.
Leather Hicks Beach, White Plains, N. Y.
Janet Kathryn Beals, Fanwood, N. J.
Bonnie Jean Belanger, North Stonington, Conn.
Paul Albert Bennett, Stonington, Conn.
Kenneth Robert Bigelow, Glen Ridge, N. J.
Georgianna M. Bishop, Washington, D. C.
Bruce Christian Black, Falls Church, Va.
Richard Wallace Blackburn, Portland, Me.
Daniel Thomas Blake, Attleboro, Mass.
Janet Elaine Blatchford, Hampton, N. H.
Janet Sue Blowney, Reading, Mass.
Lawrence Boris, Brookline, Mass.
Mary Margaret Boulos, South Portland, Me.
John Harry Bowey, Galt, Ont., Canada
Terese Ann Boyle, Westbrook, Me.
Rodney L. Braithwaite, Bronx, N. Y.
John Richard Brassil, West Hartford, Conn.
Paul Anthony Breton, Bath, Me.
Amy Jo Brewer, Montclair, N. J.
Elbert Rappleye Brewer, Oakland, Me.
Robert Paul Britton, Torrington, Conn.
Mark Alden Brower, Grand Lake Stream, Me.
Clifford M. Bryant, Jr., Schenectady, N. Y.
William Curtis Buckner, Mt. Kisco, N. Y.

Gary Charles Burfoot, Groton Long Point, Conn.
Mary Louise Burgess, Warren, Me.
Philip Jay Byers, Lawrence, Mass.
Dennis Scott Cameron, Charlotte, N. C.
Mary Jean Capers, Weston, Mass.
Grace Rose Cappannari, Plymouth, Mass.
Claudia Caruso, Malden, Mass.
Mark David Chalek, Marblehead, Mass.
Linda Ann Chester, Wilton, Conn.
Karen Lee Christinat, Matawan, N. J.
George Rockwood Clark, Harwich Port, Mass.
Sally Jean Cole, Tempe, Ariz.
Charles Simpson Colgan, Castine, Me.
Eileen Mary Connelly, Lynnfield, Mass.
Susan Catherine Cooper, Andover, Mass.
Frederick Henley Copithorn, Babylon, N. Y.
Roger Garry Cottingham, Center Moriches, N. Y.
Linda Gail Cotton, Lewiston, Me.
Brenda Rae Daigle, Nashua, N. H.
Mark Stephen Dane, Hamilton, Mass.
Eleanor Sarah Leo Davis, Harpswell Center, Me.
Catherine Ann Delano, Boston, Mass.
Margaret Macy DeLong, London, England
Harry Wilson Dickerson, Middletown, Conn.
James Craig Dickinson, Hamilton, N. Y.
Kendall Peter Didsbury, Rumford, R. I.
Paula Lee Drozdal, Hadley, Mass.
Carrie Ann Horsley Durkin, College Station, Tex.
John Brent Dyer, Bangor, Me.
Jennifer Lord Earle, Waterville, Me.
Scott Stephenson Eaton, Winchester, Mass.
James Richard Economy, Rockland, Me.
Andrea Collins Eddy, Bangkok, Thailand
David Augustine Eddy, Shrewsbury, Mass.
Paul Mercier Edmunds, Jr., Westfield, N. J.
Jeffrey Thomas Edwards, Cape Elizabeth, Me.
Thomas Grandy Ellis, Pelham, N. Y.
Marianna Ochs Estabrooke, South Berwick, Me.
Carol Anne Fall, Skowhegan, Me.
Larry Evans Farmer, East Walpole, Mass.
Jan Dale Farnum, Wilton, Me.
Susan Theresa Farwell, Bangor, Me.
James Milton Faulkner, Alfred, Me.
Lee Frederick Fawcett, Simsbury, Conn.
Irene Mary Fenlason, Skowhegan, Me.
Jill Fernald, Lebanon, N. H.
Patricia Ann Ferris, Waterville, Me.
Christopher Grant Finch, Westport, Conn.
Marilynn Elizabeth Fish, Dedham, Mass.
Amanda Sheppard Fisher, Waterville, Me.
Gail Vallette Fisk, West Simsbury, Conn.
Stephen Harvey Fleischman, Lawrence, Mass.
David Forgan Freeman Jr., Rumson, N. J.
Thomas D. Frick, New Castle, N. H.
Mark Steven Frisch, Yonkers, N. Y.
Thomas Emanuel Gallant, South Paris, Me.
Sharon Beth Gas, Bangor, Me.
Nancy Holm Gaston, Mansfield, N. Y.
Jacqueline Elizabeth Getchell, Marshfield, Mass.
John Lory Ghertner, Nashville, Tenn.
Michael Ralph Giuliano, Waterbury, Conn.
David Michael Glass, Flushing, N. Y.
Sara Orton Glickman, Oakland, Me.
Joanne Beth Gordon, Roslyn Heights, N. Y.
Nancy Ruth Gottlund, Kutztown, Pa.
Barbara Ann Gray, Cleveland, Ohio
Richard Currier Gray, Northborough, Mass.
Catherine Fay Green, Presque Isle, Me.
Sterling Andrew Green, Washington, D. C.
Joseph Aaron Greenman, Newton, Mass.
Paula Catherine Grillo, Gloucester, Mass.
Sarah Hall, Orford, N. H.
Patricia Susan Hamilton, Norwalk, Conn.
Janet Eleanor Hancock, Plymouth, N. H.
Richard William Handel, Jr., Wilbraham, Mass.
Susan Harding, South Freeport, Me.
Dorian Platt Hardwick, Middlebury, Conn.
Nancy Ault Harrington, East New Portland, Me.
J. Dennis Hartung, Chappaqua, N. Y.
Anthea Mary Hemery, South Braintree, Mass.
Sharon DiBartolomeo Hennessy, Bradford, Mass.
Jacques Bernard Hermant, Paris, France

Duncan Adams Hewitt, Syosset, N. Y.
Jane Ann Hight, Skowhegan, Me.
Mark Thomas Hiler, Rockaway, N. J.
William Ellinger Hladky, Ridgewood, N. J.
Karen Leeds Hoerner, Ridgefield, Conn.
Florence Estelle Holland, Brookline, Mass.
John Thomas Hopkins, Concord, Mass.
Nancy Marie Howe, Andover, Mass.
Bruce Little Hubbard, Seekonk, Mass.
Marguerite Barroll Hunsiker, Pittsburgh, Pa.
Sandra Hutcherson, Needham, Mass.
Pamela Cunningham Jaspersohn, Guilford, Conn.
Charles Bryant Jones, Waterville, Me.
Mary Fielding Jukes, Bethesda, Md.
Frances Ellen Kaplan, Marblehead, Mass.
Paul Thomas Keary, Saugus, Mass.
Barry John Emmet Kelley, Berlin, N. H.
Mary Dwight Kennedy, Montclair, N. J.
Judith Sue Kenoyer, Scarborough, Me.
Richard Albert Kenworthy IV, New Canaan, Conn.
Robert John Kessler, Lincoln Park, N. J.
Shirley Booth Stetson Kessler, Laconia, N. H.
Jeanne Cook Klainer, Edina, Minn.
Robert Knight, Camden, Me.
Barbara Jane Koertge, Nyack, N. Y.
Patricia Janet Kress, Lynnfield, Mass.
Elaine Frances Kruckas, Lexington, Ky.
Earl William Lane Jr., Marlboro, Mass.
Howard Moulton Latham, Cranston, R. I.
Christopher Robin Law, East Fairlee, Vt.
Meryl Susan LeBof, Teaneck, N. J.
Priscilla Violet Leighton, Blue Hill, Me.
Stephen Alan Leon, New York, N. Y.
Virginia Ann Leslie, Rockville Centre, N. Y.
Alan Joshua Levine, Brookline, Mass.
Janis Ellen Levine, Bangor, Me.
Richard Lawrence Lewin, Rye, N. Y.
Kathy Jane Libby, Dover-Foxcroft, Me.
Elliott Harvey Libman, Newton, Mass.
Paul Francis Liming, Lewiston, Me.
Ellen Mary Lindgren, Darien, Conn.
Lauren Annda Littlefield, Boxford, Mass.
Cary Phillip Logan, Swampscott, Mass.
Peter Emery Lombardi, Foxboro, Mass.
Shelley Irene Luck, North Hampton, N. H.
Ronald William Lupton, Warwick, R. I.
Judith Ann Lyle, Racine, Wis.
Steven Bela Magyar, New Haven, Conn.
Stephen John Mansfield, Waterville, Me.
Anthony Martin Maramarco, Simsburytown, Conn.
Dennis Robert Marble, Waterville, Me.
Elizabeth King Marker, Whitinsville, Mass.
James Louis Markos Jr., Ellsworth, Me.
John Michael McCallum, Portland, Me.
Christa Sue McCarter, Portland, Oreg.
Richard McGill, Clifton, N. J.
Brian Michael McQuade, Worcester, Mass.
Alexandra Frances Merton, Martha's Vineyard, Mass.
Deborah Ruth Messer, Portland, Me.
Ann Elizabeth Miller, Swampscott, Mass.
William MacBeth Milne III, Mattapoisett, Mass.
Patricia Ann Montgomery, Hanover, Mass.
Ruth Lester Moore, Newington, Conn.
Ellen Starr Morgan, Lincoln, Mass.
Mikhail Stamatyous Moskhos, Athens, Greece
Alan Bronson Moss, Branford, Conn.
Karen Sue Mrozek, Bridgeport, Conn.
David Storey Myles, Swansea, Mass.
Takaharu Nakano, Kyoto, Japan
Nicholas David Nash, Northport, N. Y.
Nancy Ellen Neckes, Hartford, Conn.
David Edward Nelson, Portland, Me.
Deborah Elizabeth Nelson, Old Saybrook, Conn.
Mark Newman, Chelsea, Mass.
Wendy Cove Newstetter, Westport, Conn.
Ralph Harold Bryant Nodine, Georges Mills, N. H.
Kathleen Mary O'Donnell, Dedham, Mass.
David William Ohlin, Belmont, Mass.
Roger Douglas Osborn, Keene, N. H.
Daniel Leo Ouellette, Scituate, Mass.
Richard Chandler Paradise, Concord, Mass.
Norman Michael Park, Canton, Mass.
Kathy Anne Parmelee, Riverside, Conn.
Robert Earle Parry, Northboro, Mass.
Stanley Truman Parsons II, Farmington, Conn.
Michael Pastushok, Lopatcong, N. J.
Michael Ross Payne, Chestnut Hill, Mass.
Marianne Olivia Perry, Stafford Springs, Conn.
Richard Alper Pers, New York, N. Y.
James Albie Peterson, Portland, Me.
Sherry Ann Phipps, South Windsor, Conn.
Richard William Pinansky, Portland, Me.
Philip Ernest Pinette, Fort Kent, Me.
Stanley Stubbs Plummer Jr., Hallowell, Me.
Nicholas Holland Preston, Watertown, Conn.
Michael Paul Prisloe, Jr., Guilford, Conn.
Dennis Robert Pruneau, Lewiston, Me.
Cindy Quinn, Collegeville, Pa.
Sandra Jane Rau, Windsor Locks, Conn.
Jonathan Matthew Ray, Gorham, Me.
Douglas Alan Reese, Earlville, N. Y.
John Field Reichardt, Spring Lake, Mich.
Douglas Edward Reinhardt, Palisades Park, N. J.
Deborah Curtis Richardson, South Berwick, Me.
Molly Jennings Richardson, Bethany, Conn.
Timothy John Richardson, Bethany, Conn.
Gail Lucille Robinson, Westport, Conn.
Ian Morley Rosenberg, Newton Centre, Mass.
Amelia Rosenfeld, Brooklyn, N. Y.
Michael Brayton Round, Warwick, R. I.
Linda Jean Ruggles, Florham Park, N. J.
Audrey Gertrude Rushton, Salem, N. H.
Bonnie E. Russell, Manchester, Me.
Pamela Jean Ryan, Falmouth, Me.
Lynne Sabbagh, Andover, Mass.
Nushafarin Victoria Safinya, Tehran, Iran
Michael Hayes Salvetti, Portland, Me.
Susan Pasfield Sammis, White Plains, N. Y.
Marjorie Vaughan Saporita, East Vassalboro, Me.
Cole Alan Sargent, Milbridge, Me.
Robert Daniel Savory, Winthrop, Me.
Leslie Dow Schiller, Andover, Mass.
Eugene Howard Schultz, Uncasville, Conn.
Roderick Anthony Schultz, Niagara Falls, N. Y.
Kathryn Jan Severson, Deerfield, Ill.
Deborah Constance Shallcross, Oklahoma City, Okla.
Margaret Ellen Shehan, Georgetown, Del.
Roger Alan Shell, Herricks, N. Y.
Richard Cook Shipp, Wickford, R. I.
W. David Shuford, Andover, Mass.
William Paul Shumaker, Providence, R. I.
Arnold Sills, New Hyde Park, N. Y.
William Mark Simons, Swampscott, Mass.
John Harold Slagle, Berlin, N. H.
Andrew Edward Smith, Litchfield, Conn.
Curtis Lee Smith, Cleveland, Ohio
Martha Merrill Smith, Baltimore, Md.
Michael Hubert Smith, Sanford, Me.
Sandra Jean Smith, Derry, N. H.
Andrea Marie Solomon, Glen Head, N. Y.
Paul Davis Spiess, Marblehead, Mass.
Jeffery William Stanton, South Portland, Me.
William Glenn Stevenson, Attleboro, Mass.
Bernard Clayton Stewart Jr., Quincy, Mass.
Lucinda Gay Stiles, Hampton Falls, N. H.
Katherine Jane Stoddard, Easton, Pa.
Joanne Sturtevant, Bath, Me.
Johanna Elizabeth Talbot, North Haven, Conn.
Alice Roselind Tall, Stockholm, Me.
Harold Barrett Tamule, Brockton, Mass.
Stephen Black Terrio, Waterville, Me.
Maria Gloria Theodos, Wynnewood, Pa.
Valerie Leigh Thibeau, Milbridge, Me.
Cheryl Ann Thomas, Canton, Mass.
Scott Penn Thomas, Fitchburg, Mass.
Robert Read Thrun, Croton-on-Hudson, N. Y.
Larimore Oscar Trippet II, Fullerton, Calif.
Susan Lee Trippet, Fullerton, Calif.
Patricia Jayne Trow, Nashua, N. H.
Alan David Tuttman, Swampscott, Mass.
Michael Joseph Twohig, Newington, Conn.
Judith Lynn Van Der Ploog, Hawthorne, N. J.
Darrah Anne Wagner, Winterport, Me.
Malcolm Kirk Wain, Billerica, Mass.
Henry Allen Walker, Oberlin, Ohio
Mary Jewett Ware, Rockland, Me.
Joanne Warshawer, Schenectady, N. Y.

David Washington, Hallandale, Fla.
Rosalind Myrna Wasserman, Hollis Hills, N. Y.
Barbara Louise Waters, Sherborn, Mass.
Joanne Coggeshall Weddell, St. Louis, Mo.
Elaine Clara Weeks, Limerick, Me.
Robert Arne Weimont, Amherst, N. H.
Ted Stuart Weissman, Great Falls, Mont.
Deborah Anne Wentworth, Scarborough, Me.
Anne Stockton Wetherill, King of Prussia, Pa.
Deborah Ann White, Norfolk, Va.
Judith Sheryl White, Newport, R. I.
Margaret Frances Wiehl, Fairfield, Conn.
Cathryn Della Willette, Lewiston, Me.
David Walworth Williams, Winchester, Mass.
Jean Ann Williamson, Pleasantville, N. Y.
Andrew Graham Wilson, North Vassalboro, Me.
Robert Marden Wilson, Lowell, Mass.
Kathryn Ann Winslow, East Greenwich, R. I.
Anne Norton Winter, Kingfield, Me.
John Craig Witte, Chatham, N. J.
Chogteng Sonam Wodhen, Lhasa, Tibet
Pamela Rose Wolf, Portland, Me.
Katherine Rayne Woods, Hampton, N. H.
Mary Elizabeth Wright, West Falmouth, Mass.
Susan Wygal, Anchorage, Ky.
Terry Page Wyman, Bath, Me.
Philip Charlton Wysor, Waterville, Me.
Cemal Yalinpala, Fatih-Istanbul, Turkey
Howard James Yates, Jr., Walpole, Mass.
John Raymond Zacamy, Jr., Somerset, Mass.

As of the Class of 1970
Marguerite Louise Baxter, Ware, Mass.
Judith Files McKerman, Wilder, Vt.
Peter James Simmons, Franklin, N. H.
Steven Theodore Steege, Wethersfield, Conn.
Nathan Van Etten Woodruff, Hartford, Conn.

As of the Class of 1969
Donald Thomas Cooper, Norwich, N. Y.
Thomas Clark Geibel, Cortland, N. Y.

As of the Class of 1968
Philip Leroy Merrill, Cumberland Center, Me.

As of the Class of 1967
Garfield Landon Barnes, Pasadena, Calif.
Felix Joseph Nadeau, Stratton, Me.
As of the Class of 1965

As of the Class of 1958
Joan Fletcher Chandler, West Peabody, Mass.

Degrees Granted in October as of the Class of 1970
Peter Herman Daigle, Fort Kent, Me.
Jay Stuart Dworkin, Cliffside Park, N. J.
Joel Mark Greenfeld, Longmeadow, Mass.
Judith Smith Lucarelli, Nome, Alaska
Philip Severin Norfleet, Westport, Conn.
Pamela Miriam Ohnysty, Glen Cove, N. Y.
Deborah Sugerman, Manchester, N. H.
Charles Terrell, Washington, D.C.

HONORS

Summa Cum Laude
Roger Garry Cottingham
Audrey Gertrude Rushton
Cemal Yalinpala

Magna Cum Laude
Sally Jean Cole
Susan Catherine Cooper
Thomas Emanuel Gallant
Judith Sue Kenoyer
William Paul Shumaker
Margaret Frances Wiehl

Cum Laude
Leslie Jane Anderson
Frank Olusegun O. O. Apantaku
Bonnie Jean Belanger
Jeffrey Thomas Edwards
Susan Theresa Farwell
Nancy Holm Gaston
Dorian Platt Hardwick
Barbara Jane Koertge
Ronald William Lupton
Anthony Martin Maramarco
James Louis Markos, Jr.
Mikhail Stamatiou Moskhos
Karen Sue Mrozek
Stephen Robert Orlov
Timothy John Richardson
Gail Lucille Robinson
Leslie Dow Schiller
Margaret Ellen Shehan
Roger Alan Shell
William Mark Simons
Sandra Jean Smith
Lucinda Gay Stiles
Elaine Clara Weeks

DISTINCTION IN THE MAJOR

Administrative Science
Howard Moulton Latham
Douglas Edward Reinhardt
John Raymond Zacamy, Jr.

Art
Jennifer Lord Earle
Duncan Adams Hewitt
Jeanne Emily Miller
Robert Read Thrun
Cathryn Della Willette

Biology
Frank Olusegun O. O. Apantaku
Margaret Macy DeLong
Harry Wilson Dickerson
Meryl Susan LeBoff
W. David Shuford

Chemistry
Frank Olusegun O. O. Apantaku
Thomas D. Frick
Thomas Emanuel Gallant
Jeffrey Lee Nordstrom
Ian Morley Rosenberg
Roger Alan Shell

Classics
Elaine Clara Weeks

Economics
John Harry Bowey
Jeffrey Thomas Edwards
Gail Vallette Fisk
Mary Fielding Jukes
Cemal Yalinpala
Howard James Yates, Jr.

English (Honors Program)
Anthony Martin Maramarco

French
Roger Garry Cottingham
Audrey Gertrude Rushton

German
William Wilton Anthony III
David Michael Glass
Karen Leeds Hoerner

Government
James Louis Markos Jr.

History
Grace Rose Cappannari
Paula Lee Drozdal
Ronald William Lupton
Gail Lucille Robinson
William Mark Simons
Robert Arne Weimont
Margaret Frances Wiehl

Mathematics
Nancy Holm Gaston
Linda Grace Wallace

Music
Elizabeth King Marker

Philosophy
Barbara Jane Koertge

Physics
Susan Catherine Cooper

Psychology
Robert John Kessler
Jeanne Cook Klainer
Cary Phillip Logan
William Frederick Schirmer III
Roderick Anthony Schultz
Joanne Sturtevant
Judith Lynn Van Der Ploog
David Washington

Russian
Mary Louise Burgess
Judith Sue Kenoyer

Sociology
Leslie Dow Schiller

PHI BETA KAPPA

Elected in Junior Year
Frank Olusegun O. O. Apantaku
Susan Catherine Cooper
William Paul Shumaker

Elected in Senior Year
Heather Hicks Beach

Sally Jean Cole
Roger Garry Cottingham
Jeffrey Thomas Edwards
Thomas Emanuel Gallant
Nancy Holm Gaston
Judith Sue Kenoyer
Karen Sue Mrozek
Gail Lucille Robinson
Audrey Gertrude Rushton
Roger Alan Shell
William Mark Simons
Lucinda Gay Stiles
Elaine Clara Weeks
Margaret Frances Wiehl
Cemal Yalinpala

MASTER OF SCIENCE IN TEACHING
Duane R. Adams, York, Me.
Mary Ellen Albrecht, Davenport, Iowa
Clayton Felix Barton, Hamden, Conn.
Nita Law Bassel, Atlanta, Ga.
Norman Birnbaum, Brooklyn, N. Y.
Theo A. Bryant, Dexter, Me.
Gayle S. Fox, Paxton, Mass.
Raymond J. Harden, Perry, Iowa
Charles J. Luethke, Haworth, N. J.
Carl H. MacDonald, Bangor, Me.
Marvin E. Meyers, Jamaica, N. Y.
Joseph M. A. Morin, Belgrade, Me.
Ralph T. Rehwoldt, Jr., Miami, Fla.
Lorraine Lida Stubbs, Unity, Me.
Norman K. Twitchell, Center Moriches, N. Y.
Allen H. Zelon, Brooklyn, N. Y.

HONORARY DEGREE RECIPIENTS
Kenneth Merwin Curtis
Doctor of Laws
Luther Hilton Foster
Doctor of Laws
Donald Clifford Gallup
Doctor of Letters
George Bogdan Kistiakowsky
Doctor of Science
Winthrop Charles Libby  
*Doctor of Laws*

James Kenneth Mathews  
*Doctor of Divinity*

Francis Sumner Merritt  
*Doctor of Fine Arts*

Roger Revelle  
*Doctor of Science*

Ellen Stewart  
*Doctor of Fine Arts*

Esther Elizabeth Wood  
*Doctor of Humane Letters*

**SENIOR SCHOLARS**

Richard Alan Abramson (Psychology)  
*The Effects of Three Training Techniques on the Swimming Abilities of Trainable and Educable Mentally Retarded Children*

Thomas Emanuel Gallant (Chemistry)  
*Phospholipid Inhibitor Inactivation as a Mechanism for the Activation of Renin by Cadmium Ions*

Nancy Holm Gaston (Mathematics)  
*On Property $P_{m,n}$ and Some Applications to Graph Theory*

Karen Sue Mrozek (Chemistry)  
*Mercury Content of Tobacco Products*

**JULIUS SEELYE BIXLER SCHOLARS**

*Class of 1971*

Susan Catherine Cooper  
Roger Garry Cottingham  
Nancy Holm Gaston  
Judith Sue Kenoyer  
Audrey Gertrude Rushton  
Philip Saul Singer

*Class of 1972*

Timothy Stephen Carey  
Craig Gordon Lorimer  
Laureen Marie Ramonas  
Christopher Brian Sample

*Class of 1973*

Paulette Louise Archambault

Richard Lamb Gawthrop  
Carole Josephine LaRose  
Gay Cameron Quimby

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Mary Margaret Boulos  
Sally Jean Cole  
Margaret Macy DeLong  
Kendall Peter Didsbury  
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Susan Theresa Farwell  
Jill Fernald  
John Lory Ghertner  
Ronald William Lupton  
Michael Stamatios Moskhos  
Karen Sue Mrozek  
Jeffrey Lee Nordstrom  
Marianne Olivia Perry  
Gail Lucille Robinson  
Leslie Dow Schiller  
Roger Alan Shell  
William Paul Shumaker  
William Mark Simons  
Sandra Jean Smith  
Elaine Clara Weeks  
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Anne Norton Winter  
Cemal Yalinpala

*Class of 1972*

Mary Jo Alburger  
William Charles Earnshaw  
Anne Margaret Emerson  
Deirdre May Fitz-Gerald  
Patricia Ann Godfrey  
Ellen Elizabeth Jones  
Mitchell Harvey Kaplan  
Richard Pierce Kaynor  
Christine Anne Legere  
Christine Murphy  
Carolyn Ward Poinier  
George Roundy  
Debra Elizabeth Salsbury  
Judith Ann Schwartz  
Barbara Renee Senges
Rebecca Marble Talcott
Rosamond Ellen Teto
Jane Elizabeth Thayer
Patricia Ann Thomas
Frederick William Valone
Matthew S. Zweig

Class of 1973
Heather Lee Burns
Cindy Mae Canoll
Jane Elizabeth Currier
Gary Allen Curtis
Hope Ilona Gottlieb
Judy Beatrice Gundel
Chrisanne Hall
Marguerite Marie Horrigan
Jeanne Dorothy Irving

Christine Paterson Mattern
Kathleen Elizabeth Murphy
Warren Kimball Oakes
Robert Joseph O'Neil
Lewis Endor Paquin III
Susan Jeanne Pinciaro
Mary Etta Robinson
David Calvin Ross
Suzanne Ellen Rudnick
Joseph Colby Small
Beverly Jeanne Smith
Gregory White Smith
Patience Ann Stoddard
Ingrid Ellen Svensson
Jacaleen Amelia Taylor
Interviewers for Admission 1971-72

**ALASKA**

Fairbanks 99701
Dr. William V. Chase '62
Mrs. William V. Chase
(Barbara Haines '69)
151 Hamilton Avenue, #1

**ARIZONA**

Tempe 85281
Dr. Randall L. Holden, Jr. '65
Mrs. Randall L. Holden, Jr.
(Pamela Harris '66)
504-A East Huntington Drive

**CALIFORNIA**

Fountain Valley 92708
Mr. Lloyd I. Cohen '59
18524 Cottonwood

Fremont 94536
Mrs. S. Baines Howard '53
4882 Richmond Avenue

Lafayette 94549
Mr. John W. E. Vollmer '60
Mrs. John W. E. Vollmer
(Janice Turner '62)
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(Barbara Brown '68)
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(Janice Rideout '60)
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San Jose 95117
Mr. Karl B. Ostendorf '66
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Mr. Gary B. Miles '62
Mrs. Gary B. Miles
(Margaret Bone '62)

Kresge College
University of California
Santa Maria 93454
The Rev. Robert Peale '51
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**COLORADO**

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Mrs. George Clymer
(Janet Kimball '57)
508 High Street 80218

Miss Martha DeCou '66
1873 Virginia Avenue, West 80223

Littleton 80122
Mr. Nathaniel Butler '63
Mrs. Nathaniel Butler
(Karen Moore '63)
6898 South Elizabeth Street

**CONNECTICUT**

Bloomfield 06002
Mr. Clayton W. Johnson '25
Apartment 3, 11 West Lane

Darien 06820
Mr. Richard Aube '66
225 Hoyt Street

Essex 06426
Mr. N. Scott Brackett '61
7 Riverview Street

Kent 06757
Mr. John S. Perkins '66
Mrs. John S. Perkins
(Linda Brooks '68)

Kent School
Lakeville 06039
Mr. Arthur White '52
Hotchkiss School

Manchester 06040
Miss Paula B. McNamara '66
40 Durkin Street

Monroe 06468
Mr. Karl E. Decker '54
Mrs. Karl E. Decker
(Merrilyn Healy '54)
R.F.D. #5, Elm Street

New Haven
Mr. Edward I. Hulbert '58
58 Fountain Street
Apt. F1 06515

Mr. Henry N. Silverman '61
285 Greene Street, Apt. 13G 06511

Salisbury 06068
Mr. C. Arthur Eddy, Jr. '54
Mrs. C. Arthur Eddy, Jr.
(Barbara Guernsey '54)
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Lincoln City Road

Southbury 06888
Mrs. James C. Hummel
(Jean Smith '59)
White Oak

**FLORIDA**

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Mr. William D. Hood '61
P.O. Box 974

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Dr. Carl E. Reed, Headmaster '35
The Bolles School
7400 San Jose Boulevard
GEORGIA
Chamblee 30341
Miss Betty Ciaffone '69
4503 North Shallowford Road

ILLSINOIS
Charleston 69020
Mrs. William H. Ackerman
(Mary Michelmore '63)
31 Circle Drive
Chicago 60637
Mr. Peter W. Mackinlay '70
552 Coulter House
1005 East 60th Street
University of Chicago

Glen Ellyn 60137
Mr. Robert G. Hartman '60
23 W224 Cambridge Court

Lake Forest 60045
Mr. Lawrence K. Pugh '50
1750 Bowling Green

INDIANA
Indianapolis 46256
Mrs. Albert J. Robinson
(Marcia Peterson '60)
7221 Scarborough Boulevard
East Drive
Richmond 47374
Prof. Claude Stininford '26
404 College Avenue

KENTUCKY
Lexington 40503
Mr. Byron Petrakis '63
1729 South Limestone Street

Louisville 40222
Mr. William P. Clark '58
Mrs. William P. Clark
(Nancy J. Harmon '58)
1610 Clearview Drive

MAINE
Bangor 04401
Mrs. Kenneth E. Danielson
(Roberta Stockwell '67)

Graystone Trailer Park
MRB 275
Mr. Roderick Farnham '31
Mrs. Roderick Farnham
(Margaret Davis '28)
M. R. C. Box 17
Mr. Chesley H. Husson, Jr. '52
35 Wiley Street
Cape Elizabeth 04107
Mr. Albert F. Carville, Jr. '63
19 Patricia Drive

Fryeburg 04037
Mr. William B. Williamson
Fryeburg Academy

Hallowell 04347
Mr. Larry Arber '30
8 Wilder Street
Houlton 04730
Mrs. Ralph Howard
(Eleanor B. Ross '37)
R. F. D. #2

Millinocket 04462
Mrs. Roland L. Russell
(Patricia Farnham '62)
184 Highland Avenue
North Windham 04062
Mr. Thomas Skolfield '59
Lakehurst Road, Route #2

Rumford Center 04278
Mr. Kenneth P. Nye '64
Star Route
Winterport 04496
Mrs. Gordon Bowie
(Mary Stimson '65)
Box 93

MARYLAND
Chevy Chase 20015
Mrs. George C. Spiegel
(Betty Ann Royal '42)
8803 Clifford Avenue
Laurel 20810
Miss Judith Jones '66

13908 Briarwood Drive
Apartment 2122

MASSACHUSETTS
Andover 01810
Mr. Leland Potter '67
Mrs. Leland Potter
(Linda Mitchell '66)
35 Enmore Street
Bedford 01730
Mr. Benjamin R. Sears '52
31 Sweetwater Avenue

Beverly 01915
Mr. Gerald Wolper '58
6 Berrywood Lane

Boston
Mr. David Bergquist '61
100 Charles Street 02114
Miss Susan Nutter '66
75 Marlborough Street 02116
Brookline 02146
Mr. Charles R. Levin '67
10 Lanark Road, Apt. 4
Mr. Leon T. Nelson '60
77 Pond Avenue, Apt. 1507
Cambridge 02139
Mr. John McGirr '67
74 Fayette Street
Canton 02021
Miss Alison Coady '65
25 Spring Lane

Concord 01742
Mr. Clifford A. Bean '51
10 Wood Street

Danvers 01723
Mr. Robert S. Lee '51
Hotwatt, Inc.
128 Maple Street
Dedham 02026
Mr. Whitford Bond '63
655 Westfield Street
Dover 02030
Mr. William C. Foehl '59
Centre Street

Easthampton 01027
Mrs. John M. Wilson
(Anne Godley '65)
12 Park Street

Edgartown 02539
Mrs. Stephen Gentle
(Mary Ballantyne '62)
Box 331

Falmouth 02540
Mr. George H. Leberherz, Jr. '52
61 Miami Avenue

Fitchburg 01420
Mr. Richard Fields '61
Renaud International, Ltd.
380 River Street

Florence 01060
Mrs. Kiernan J. Murphy
(Carol Maclver '55)
90 High Street

Great Barrington 01230
Mr. Robert E. Broli '59
Mrs. Robert E. Broli
(Marcia Eck '62)
R. F. D. #3; Alford

Haverhill 01832
Miss Edith Emery '37
59 Chandler Street

Hingham 02043
Mr. Charles A. Pearce '49
957 Main Street

Mr. Henry F. G. Wey III '56
Mrs. Henry F. G. Wey III
(Marilyn Brooks '56)
Boulder Glen

Longmeadow 01106
Mr. Norris Dibble '41
57 Farmington Avenue

Marblehead 01945
Mrs. Richard B. Canton
(Marilyn Perkins '58)
12 Gallison Avenue

Mr. David Thaxter '62
13 Sagamore Road

Marlborough 01752
Mr. Benjamin C. Potter, Jr. '64
112 Nashoba Drive

Newton Highlands 02161
Mr. Marvin S. Joslow '48
74 Elinor Road

Newtonville 02160
Mr. Howard L. Ferguson '31
133 Lowell Avenue

North Andover 01845
Mrs. Douglas B. Allan
(Elizabeth Swanton '33)
37 Bradstreet Road

Mr. Dennis Dionne '61
99 Raleigh Tavern Road

Northampton 01060
Mrs. Roland C. Mc Eldowney
(Barbara Read '63)
19 Ridgewood Terrace

Dr. David Morse, Jr. '52
Mrs. David Morse, Jr.
(Deborah Brush '52)
26 Washington Avenue

Northboro 01532
Mr. Brian Shacter '66
64 Cedar Hill Road

Peabody 01962
Mr. Richard A. Vose '51
2 Livingston Drive

Plymouth 02360
Mr. Andrew Karkos '31
Langford Road

Reading 01867
Mr. Frederick R. Boyle '51
267 Grove Street

Miss Cheryl Dubois '69
9 Tennyson Road

Sherborn 01770
Mr. Solomon J. Hartman '67
262 Western Avenue

South Duxbury 02374
Mr. Richard G. Lucier '60
Chestnut Street

Springfield 01105
Mr. U. Cleal Cowing '27
369 Tremont Street

Stockbridge 01262
Mr. Starbuck Smith III '65
Mrs. Starbuck Smith III
(Anna K. Owens '65)
Maple Street

Sudbury 01776
Mr. Douglas A. Davidson '58
Mrs. Douglas A. Davidson
(Barbara Borchers '60)
19 Drum Lane

Topsfield 01983
Mrs. Richard L. Hampton
(Eugenie Hahlbohm '55)
48 Fox Run Road

Waltham 02154
Mr. Stephen Wurzel '69
1405 Stearns Hill Road

Wayland 01778
Dr. Alton Lamont, Jr. '52
Mrs. Alton Lamont, Jr.
(Joan Martin '52)
7 Clubhouse Lane

Mr. Donald Mordecai '60
223 Glezen Lane

Miss Judith Mosedale '68
3 Squirrel Hill Road

Wellesley 02181
Mr. John T. King II '54
8 Edgehill Road

Worcester
The Rev. William Byers '61
28 Saxon Road 01602

Mr. John N. Tully '60
Tully Insurance Agency
641 West Boylston Street 01606
MICHIGAN
Ann Arbor 48104
Mrs. Brewster Gere, Jr.  
(Anne Ruggles '66)
915 Spring Street
Mrs. Edward F. Heekin, Jr.  
(Judith Miller '60)
2867 Page Avenue
Dearborn 48121
Mr. Ceylon L. Barclay '63
Lincoln-Mercury Division
Ford Marketing Corporation
3000 Schaefer Road
Franklin 48025
Mrs. Arthur Schneider  
(Judith Mayer '63)
26720 Captains Lane
Kalamazoo 49007
Mr. Daniel Traister '63
Mrs. Daniel Traister  
(Barbara Howard '65)
143 Monroe Street
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Minneapolis 55427
Mrs. Howard Lawrence  
(Donna Cobb '63)
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Rochester 55901
Mr. Mark Janes '69
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Washington University
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NEBRASKA
Lincoln 68520
Mrs. Ann M. Birky  
(Ann Marie Eisenrager '61)
1915 South 77 Street
NEW HAMPSHIRE
East Rochester 03867
Mr. Ralph W. Hilton '44
53 Main Street
Hampstead 03826
Mr. Bruce MacDonald '59
Hilltop Lane
Haverhill 03745
Mr. A. Frank Stiegler '28
Route 10
Leconia 03246
Miss Pamela Taylor '62
492 Union Avenue
Londonderry
Mrs. Richard P. Vacco  
(Marjeanne Banks '62)
Gilcrest Road
(Mailing: P. O. Box 102
Derry, N. H. 03038)
Nashua 03060
Mr. C. Wallace Lawrence '17
179 Amherst Street
Tilton 03276
Mr. Alfred J. Gengras III '59
Tilton School
Waterville Valley 03223
Mrs. Peter C. Aydelott  
(Judith Fassett '64)
Box 182
NEW JERSEY
Belle Mead 08502
Mr. Anthony S. Glockler '57
Mrs. Anthony S. Glockler  
(Beverly Jackson '60)
29 Whippoorwill Way
R. D. #2
Cherry Hill 08034
Mrs. Peter G. Cote  
(Janet Jolicoeur '66)
805 Johns Road
Englewood 07631
Mrs. Robert Miner
(Deborah Nutter '68)
276 Engle Street, #11C
Madison 07940
Mr. Roy V. Shorey, Jr. '54
56 Niles Avenue
Newfoundland 07435
Mr. Robert J. Gannon '61
10 Rolling Ridge Road
R. F. D. #1
New Vernon 07976
Mr. Charles R. DeBevoise '48
Youngs Road, R. F. D.
Red Bank 07701
Mrs. Harry C. Hodum  
(Ruth Veit '62)
55 Center Street
Ridgewood 07450
Mrs. Albert F. Lilley  
(Judith C. Pennock '56)
180 Lincoln Avenue
Somerset 08873
Mr. Robert W. Burke '61
30 Hill Street
Westfield 07090
Mrs. Donald E. Gilbert, Jr.  
(Sally Saabye '64)
NEW MEXICO
Albuquerque 78108
Mrs. H. Anthony Homet  
(Barbara Klein '57)
Pioneer Motel
7600 Central Avenue
NEW YORK
Albany
Dr. Curtis L. Hemenway '42
Dudley Observatory
140 South Lake Avenue 12208
Mrs. John H. P. Holden  
(Janet Jacobs '45)
168 Chestnut Street 12210
Balmat 13609
Mr. C. MacDonald Grout '54
Mrs. C. MacDonald Grout  
(Eleanor Edmunds ’56)  
Binghamton 13901  
Mr. Stuart H. Rakoff ’65  
SUNY  
Department of Political Science  
Buffalo  
Mr. Francis J. Silver ’51  
485 Woodland Drive 14223  
Mr. Fred J. Wetzel  
68 Sanford Street 14214  
Elmora 12065  
Mrs. J. Rene Gonzales  
(Coral Crosman ’63)  
R. D. #2, Tanner Road  
Garden City, L. I. 11535  
Mr. Patterson Small ’47  
101 Wyatt Road  
Kings Park, L. I. 11754  
Mr. William C. Droll ’60  
595 East Northport Road  
Manhasset, L. I. 11030  
Mr. M. Colby Tibbetts ’45  
15 Ridge Circle  
Manlius 13104  
Mr. John J. Pallotta, Jr. ’61  
Mrs. John J. Pallotta, Jr.  
(Barbara Hunter ’59)  
4828 Westfield Drive  
New York City  
Mrs. Douglas F. Bevin  
(Cynthia Gardner ’58)  
1130 Park Avenue 10028  
Mr. Edwin Roy Eisen ’54  
654 Madison Avenue 10021  
Mr. Paul Marsolini ’64  
One Fifth Avenue, #3A 10012  
Miss Marsha F. Palmer ’63  
415 East 80th Street 10021  
Miss Helen Strauss ’45  
240 East 79th Street 10021  

Pelham Manor 10803  
Mr. Robert L. Schultz ’55  
Mrs. Robert L. Schultz  
(Xandra McCurdy ’55)  
25 Garden Road  
Pleasantville 10570  
Mr. William B. Neil, Jr. ’65  
24 Locust Road  
Rochester  
Mrs. Kenneth Lane  
(Lynne Murrell ’70)  
1214 Mt. Hope Avenue 14620  
Mrs. Pieter Punt  
(Beryl Baldwin ’53)  
55 Lincoln Mills Road 14625  
Rockville Centre, L. I. 11570  
Mrs. David B. Pressman  
(Madelyn Wechsler ’53)  
43 Berkshire Road  
Mrs. Gerald Seidenberg  
(Gloria Shine ’48)  
1 Forestdale Road  
Scarsdale 10583  
Mr. Henry K. Wingate ’61  
107 Grand Boulevard  
Schuylerville 12871  
Miss Charlotte Killam ’67  
Ranger Road  
Syosset, L. I. 11791  
Dr. Anthony Arthur ’54  
36 Whitman Avenue  
Trumansburg 14886  
Prof. David S. McKeith ’55  
Mrs. David S. McKeith  
(Shirley Coatsworth ’55)  
32 Strowbridge Street  
Westbury, L. I. 11590  
Mrs. Robert Merriman  
(Nancy Weare ’52)  
2226 Elderberry Drive  
West Sand Lake 12196  
Mr. Kenneth Van Praag ’55  

North Carolina  
Raleigh 27609  
Mr. Ray Deltz ’49  
5235 Knollwood Drive  
Ohio  
Cincinnati 45242  
Mr. Peter S. Lowrey ’53  
8210 Margaret Lane  
Cleveland  
Miss Dorothy J. Nyman ’54  
14309 Terrace Road 44112  
Mr. Jeffrey Silverstein ’70  
12010 Paul Avenue 44106  
Columbus 43209  
Mr. John Reisman ’55  
46 North Roosevelt Avenue  
Mr. Frederick W. Ziegler ’52  
3082 Elberon  
Granville 43023  
Mr. George S. Wales ’51  
R. F. D. #2  
Hudson 44236  
Mr. Ormande Brown ’51  
85 Manor Drive  
Kent 44420  
Dr. Lawrence S. Kaplan ’47  
Department of History  
Kent State University  
Toledo 43607  
The Rev. Philip A. Shearman ’50  
1917 Potomac Drive  
Oklahoma  
Tulsa 74120  
Mrs. Warren J. Randolph  
(Leslie Wyman ’57)  
1103 East 20th Street  
Oregon  
Eugene 97401  
Miss Frances C. Gray ’40  
Apt. 604B, 1040 Ferry Street
PENNSYLVANIA
Bethlehem 18015
Mrs. James McIntosh
(Sally Phelan '59)
246 Uncas Street

Blue Bell 19422
Dr. Charles C. Leighton '60
553 Beale Road

Bryn Mawr 19010
Mr. William D. Wooldredge '61
937 Wooton Road

Cheyney 19379
Mrs. Barbara Grant Nnoka '43
137 Cheyney Road

Doylestown 18901
Mr. Thomas McK. Thomas '63
Mrs. Thomas McK. Thomas
(Patricia Raymond '65)
Church School Road, R. D. #2

Easton 18042
Professor David Crocket '52
Chemistry Department
Lafayette College

Gladwyne 19035
Mr. Richard B. Beal '51
936 Merion Square Road

Media 19063
Mr. J. Lawrence Eckel '66
130 East 2nd Street

Middletown 17057
Mrs. Robert A. Conover
(Nancy Moyer '54)
Laurel Drive, R. D. #1

Philadelphia 19119
Miss Audrey Bostwick '51
6705 Springbank Lane

Sewickley 15143
Mr. Edward A. Waller '49
461 Maple Lane

Swarthmore 19081
Mrs. Clifford Henricksen
(Bonnie Zimmerman '66)
249 Haverford Avenue

Villanova 19085
Mr. Chester D. Harrington, Jr. '51
"Outpost Hill"
757 Newton Road

RHODE ISLAND
Cumberland 02864
Mr. Norval E. Garnett '51
Mrs. Norval E. Garnett
(Norma Bergquist '52)
39 Bear Hill Road

Pawtucket 02860
Mr. John S. Baxter '58
41 Fiume Street

South Dakota
Rapid City 57701
Mr. Thomas H. Hopgood '67
1622 Mt. Rushmore Road

Texas
Dallas
Mr. James S. Hall '50
5328 Royal Palms Court 75234

Mr. Alden E. Wagner '44
5812 Gillon Avenue 75207

Houston 77042
Mr. Lewis Krinsky '65
11015 Olympia

Vermont
Essex Junction 05452
Mr. Michael D. Flynn '61
Mrs. Michael D. Flynn
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Mr. David S. O'Neil '51
Marsh-Plain Motel

Westminster Station 05159
Miss Mary Adams '58
Box 14

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( Frances Buxton '59)
3418 North Pershing Drive

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Mr. John C. Parsons II '65
Mrs. John C. Parsons II
(Janice Wood '65)
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Mrs. Donald G. Sachs
(Roberta Holt '45)
17820 4th S. W.

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Eau Claire 54701
Mrs. Russell V. Brown
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115 Summit Avenue

Madison
Miss Rosemarie Carbino '62
2501 Calypso Road 53704

Mr. Bruce Davey '65
Mrs. Bruce Davey
(Margaret Chandler '65)
518 Virginia Terrace 53705

Miss Judith deLuce
Apt. 305
501 North Henry Street 53703
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**FIRST SEMESTER**

Friday, September 8
Monday, September 11
Tuesday, September 12
Friday, October 6 *through*
Sunday, October 8
Friday, October 20 *through*
Sunday, October 22
Saturday, October 28
Tuesday, November 21, 5:00 p.m. *to*
Monday, November 27, 8:00 a.m.
Friday, December 8
Tuesday, December 12 *through*
Monday, December 18
Tuesday, December 19
Wednesday, January 3 *through*
Thursday, February 1

**SECOND SEMESTER**

Monday, February 5
Tuesday, February 6
Friday, March 23, 5:00 p.m. *to*
Monday, April 2, 8:00 a.m.
Friday, May 4 *through*
Thursday, May 17
Monday, May 7 *through*
Friday, May 11
Friday, May 18
Monday, May 21 *through*
Wednesday, May 30
Sunday, June 3

Freshman program begins
Upperclass registration
First classes
Upperclass Parents Weekend
Freshmen Parents Weekend
(Classes omitted Friday)
Homecoming
Thanksgiving recess
Last classes of first semester
Examinations
Make-up examinations
January Program
Registration
First classes
Spring vacation
Reading period for 300 & 400 courses
Spring registration
Last classes for 100 & 200 courses
Final 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.
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**January**

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