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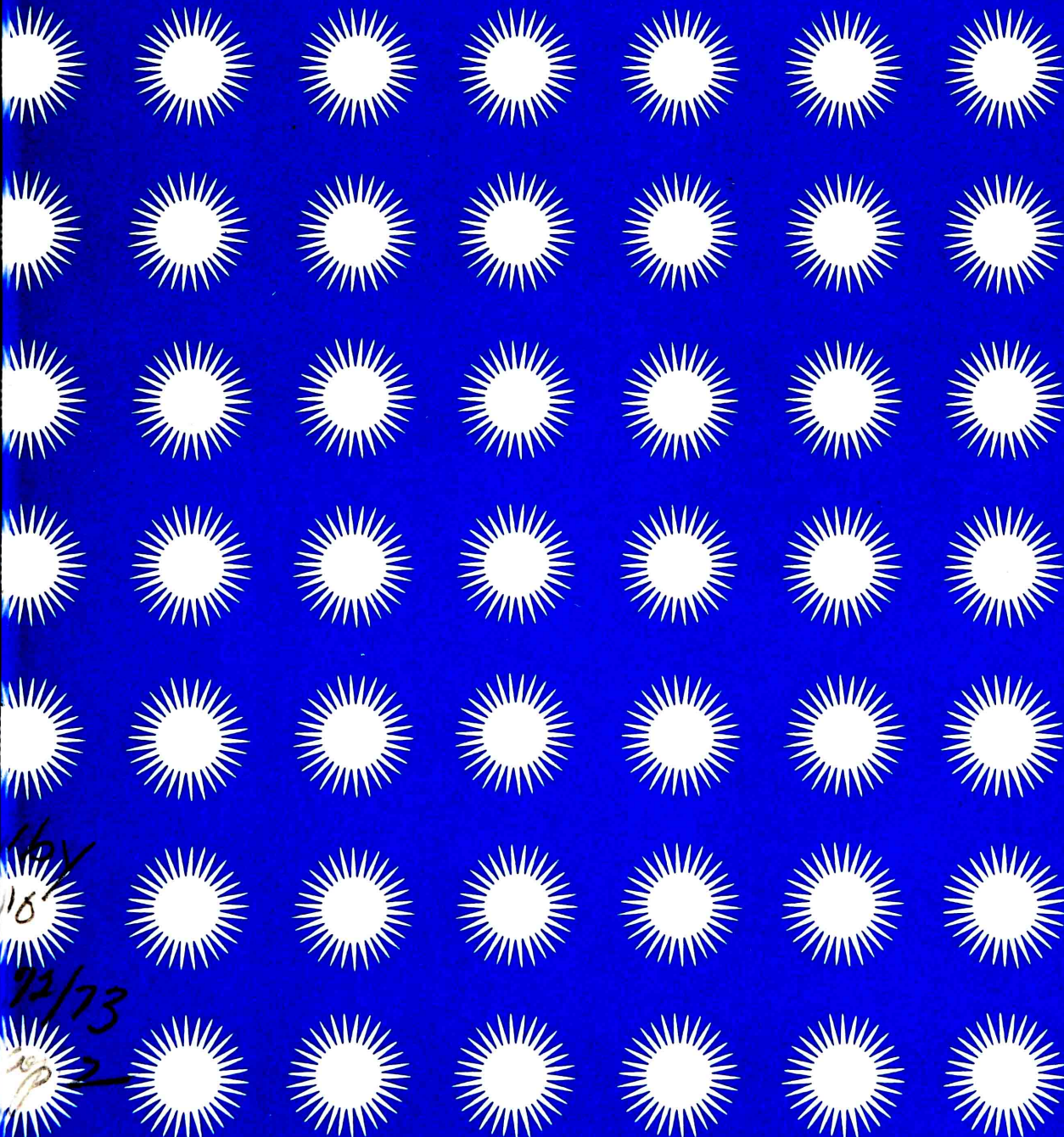
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COLBY COLLEGE BULLETIN

Catalogue Issue May 1972



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COLBY COLLEGE BULLETIN

VATERVILLE, MAINE • FOUNDED IN 1813 • ANNUAL CATALOGUE ISSUE • MAY 1972

Inquiries to the college should be directed as follows:

ADMISSION

HARRY R. CARROLL, *Dean of Admissions*

ADULT EDUCATION AND
SUMMER PROGRAMS

Director of Special Programs

BUSINESS MATTERS

ROBERT W. PULLEN, *Treasurer*

HEALTH AND
MEDICAL CARE

CARL E. NELSON, *Director of Health Services*

HOUSING

DORIS L. DOWNING and EARL H. SMITH, *Associate Deans of Students*

RECORDS AND TRANSCRIPTS

GEORGE L. COLEMAN, *Registrar*

SCHOLARSHIPS, EMPLOY-
MENT, AND PLACEMENT

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

VETERANS' AFFAIRS

GEORGE L. COLEMAN, *Registrar*

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.

Colby
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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.

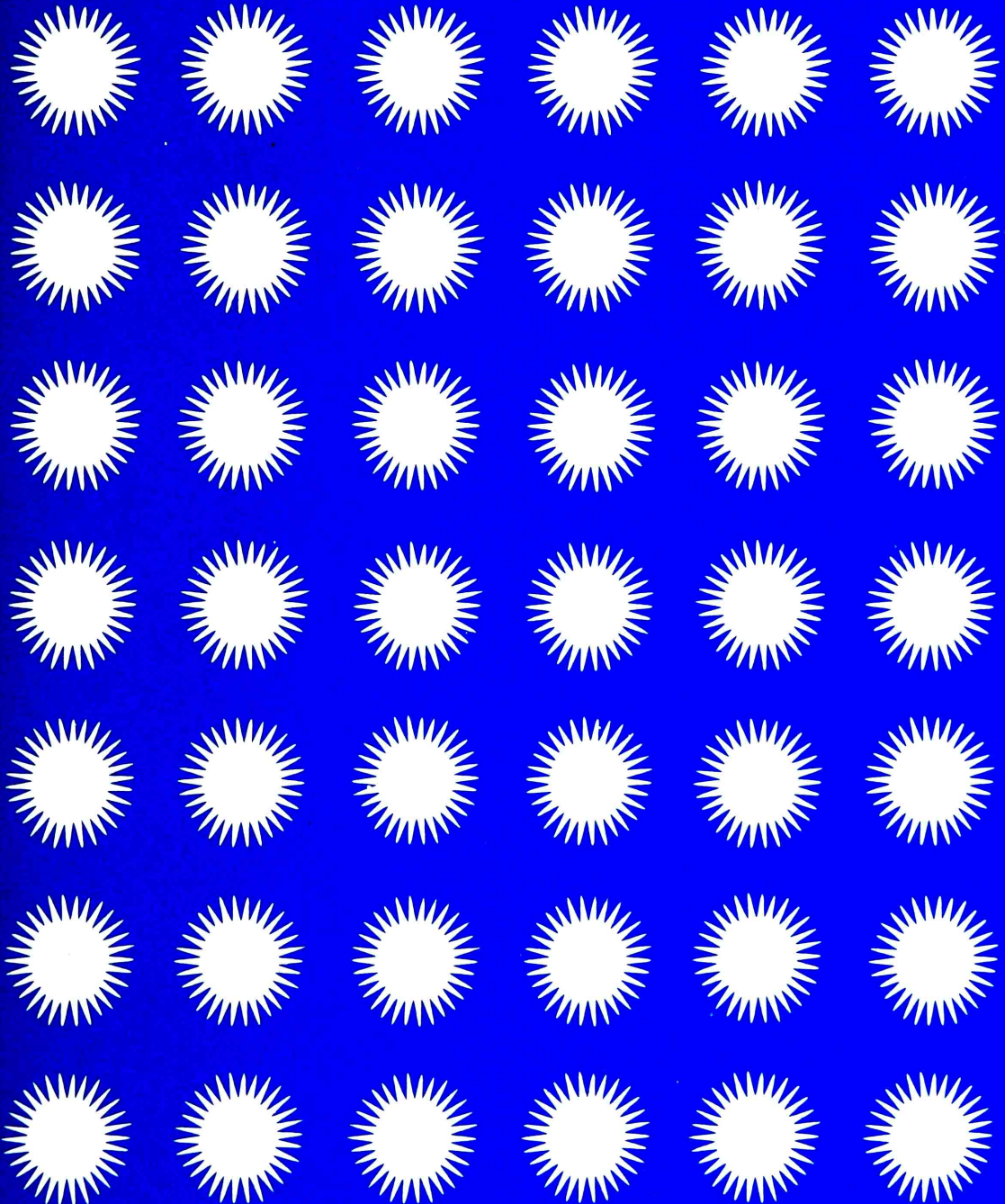
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Colby College

2684

CORPORATE NAME	The President and Trustees of Colby College.
LEGAL BASIS	Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. First classes, 1818. Authorized to confer degrees by the first Legislature of Maine, June 19, 1820. First Commencement, 1822. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899.
FUNCTION	Independent college of liberal arts for men and women (women first admitted, 1871); nonsectarian, founded under Baptist auspices.
DEGREE CONFERRED	Bachelor of Arts.
ENROLLMENT	800 men, 700 women.
FACULTY	129 full and part time.
ENDOWMENT	
LIBRARY	Over 300,000 volumes, and 16,000 microtexts; 1,000 current subscriptions to periodicals.
ACCREDITATION	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.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded wood-pulp products, shirts, plastics. Bus service: Greyhound Lines. Airport served by Air New England and Executive Air Lines. On U.S. Interstate Highway 95, connecting with Maine Turnpike at Augusta.

Colby Yesterday and Today

HISTORY OF COLBY COLLEGE

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

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

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

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

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

Colby first admitted women in 1871, when Mary Low was the lone female student. By 1890 the number had so increased that President Albion Woodbury Small proposed,

and the trustees adopted, a system of coordination, providing for men's and women's divisions with separate classes. In time coordination changed to coeducation, and Colby is now officially a coeducational college.

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

For twenty anxious years after this decision, President Franklin Winslow Johnson led a valiant and finally successful campaign to move the college, despite the obstacles of a great depression and 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

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

COLBY TODAY

Colby is a coeducational undergraduate college of liberal arts committed to the belief that the best preparation for life in our world, and especially toward the professions that 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), Alford Ice Arena, the fieldhouse (an eighth-of-a-mile track, a baseball diamond, and three tennis courts), the Dunaway Squash and Handball Courts (consisting of seven singles and one doubles), the swimming pool, 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, Will 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

VISIONS OF INSTRUCTION

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'S PROGRAM

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 inclination, each student should discuss his prospective program with his adviser, noting carefully the recommendations and requirements of areas in which he might later wish to major.

GRADUATION
REQUIREMENTS

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

QUANTITY 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 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 I ALL COLLEGE REQUIREMENTS
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

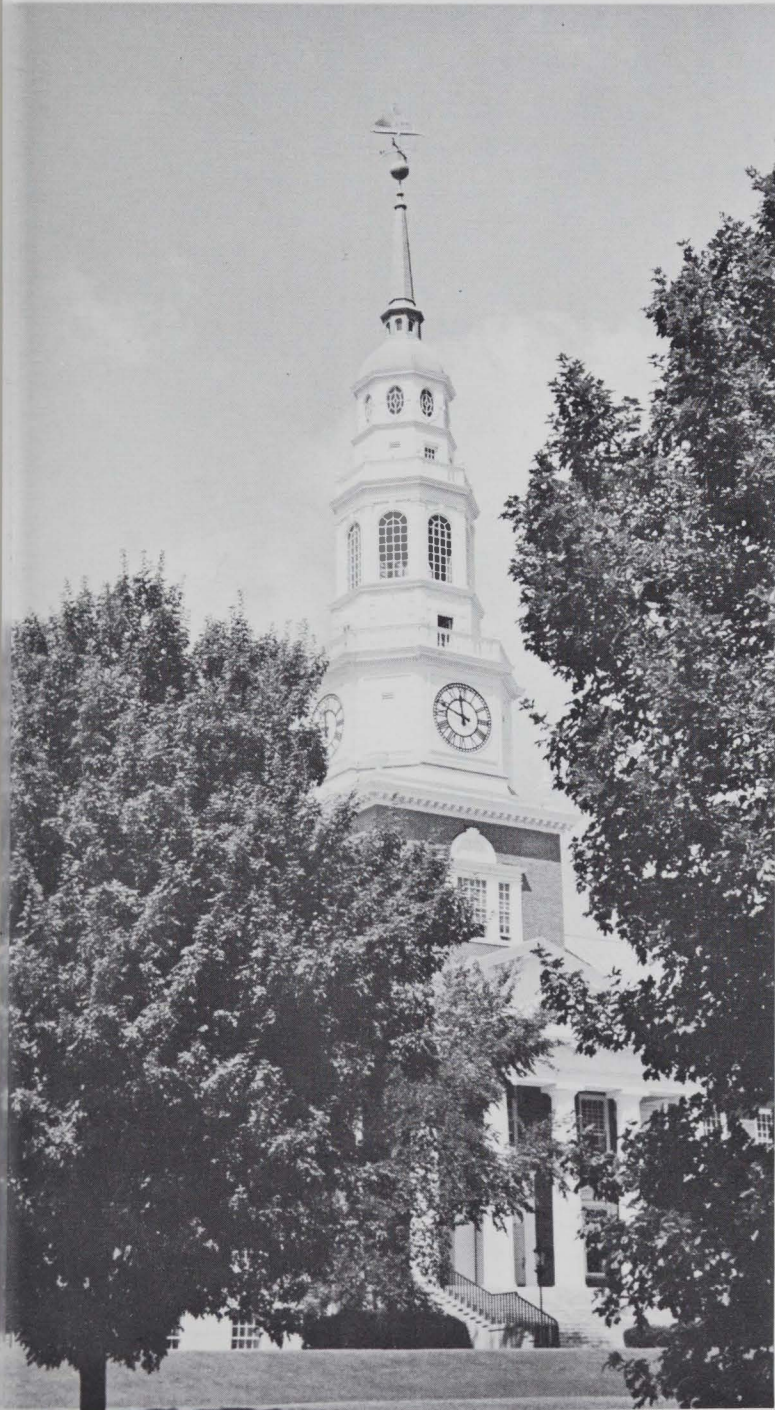
PHYSICAL EDUCATION Completion of freshman and sophomore physical education requirements is required for graduation. The sophomore requirement may be waived by the Department of Physical Education.

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-



Miller Library



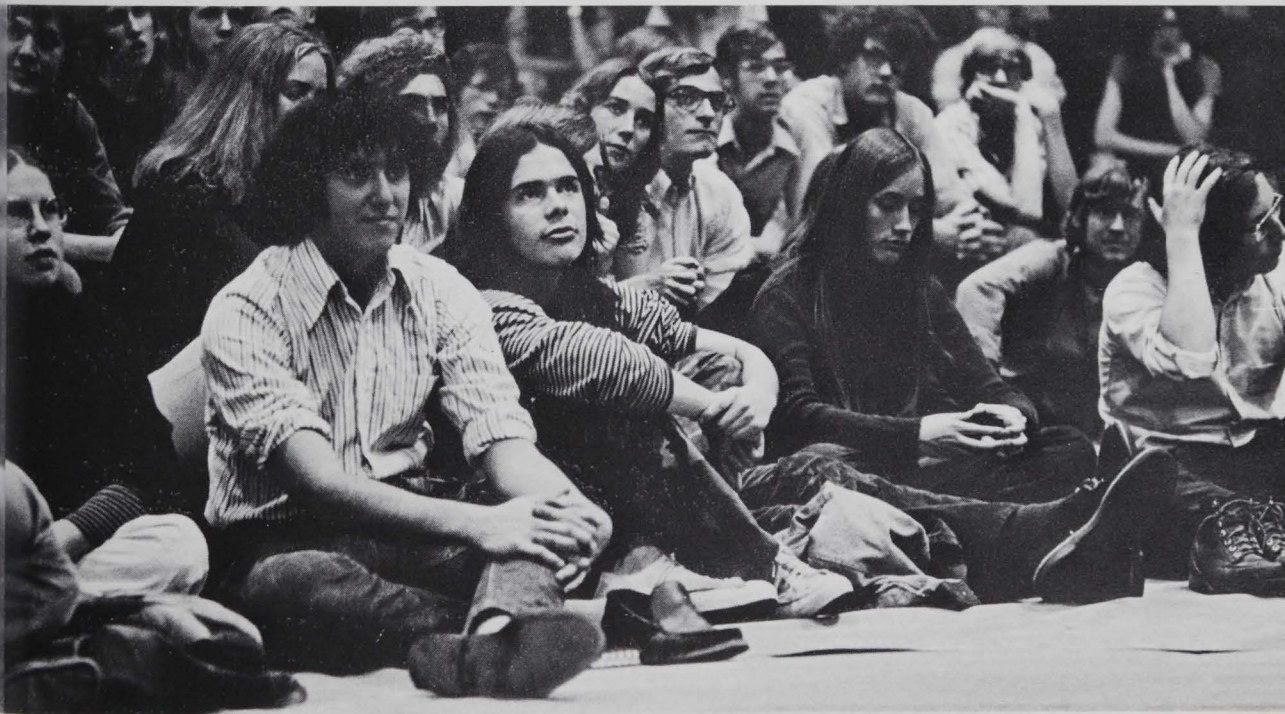
Lorimer Chapel from Sturtevant

Award-winning dormitory complex

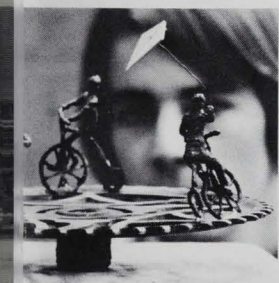


Championship meet, Fieldhouse











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.

AJOR

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.

INTERDEPARTMENTAL
MAJORS

Approved interdisciplinary majors are offered in the following areas:

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

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

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

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

successfully 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.

JUNIOR YEAR ABROAD

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 advisers.

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.

STUDENT EXCHANGE PROGRAM

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.

FOREIGN STUDENTS

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.

AUDITING COURSES

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 courses 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.

WITHDRAWAL

Voluntary withdrawal from the college may be effected officially by filing a *notice of withdrawal* properly approved by the treasurer and the dean of students; the official form may be obtained from the dean. The date on the approved *notice of withdrawal* is the basis for computing any 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.

TRANSFERRED CREDITS

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

(1) When students are admitted by transfer their records

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, the degree to which he has demonstrated intellectual curiosity, and evidence of motivation are of primary significance; also important are 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 college preparation. No person is excluded on grounds of race, color, religion, or national origin.

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

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

financial aid as determined by the Parents' Confidential Statement is granted. Early decision candidates may file regular applications to other colleges with the understanding that these will be withdrawn if the candidate is accepted on an early-decision basis by Colby.

College notification of action is normally given no later than December 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 of 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 to transfer 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.

READING TESTS

Tests during orientation week determine levels of speed and comprehension in reading. Those deficient are offered assistance in a developmental reading program.

PLACEMENT IN MATHEMATICS

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.

PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1972-73 is met at 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 the language, all completed prior to the last two years of secondary school, may, with the approval of the department chairman, take elementary Latin for credit.

Fees and Financial Aid

ANNUAL STUDENT CHARGES 1972-73	Tuition	\$2,500
	Board	700
	Room	500
	Dormitory Damage Deposit ¹	15
	General Fee	175
		\$3,890

CALENDAR OF PAYMENTS 1972-73	<i>Upon acceptance for admission</i>	Admission deposit — freshmen	\$ 100
	<i>July 31</i>	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.

³Students who are permitted to eat or live off campus may deduct \$350 for board or \$250 for room from the amount due in advance of the second 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 \$500 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 31 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 special permission.

cific 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 cost 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 \$730,000 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

RELIGION

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.

LECTURES

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 Program

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.

ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions featuring selections from the permanent collection as well as original and 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.

DRAMATICS

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*.

SPEECH AND DEBATE

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

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.

FRATERNITIES AND
SORORITIES

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, AFROT (Army Fraternity of ROTC), 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 or 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*.

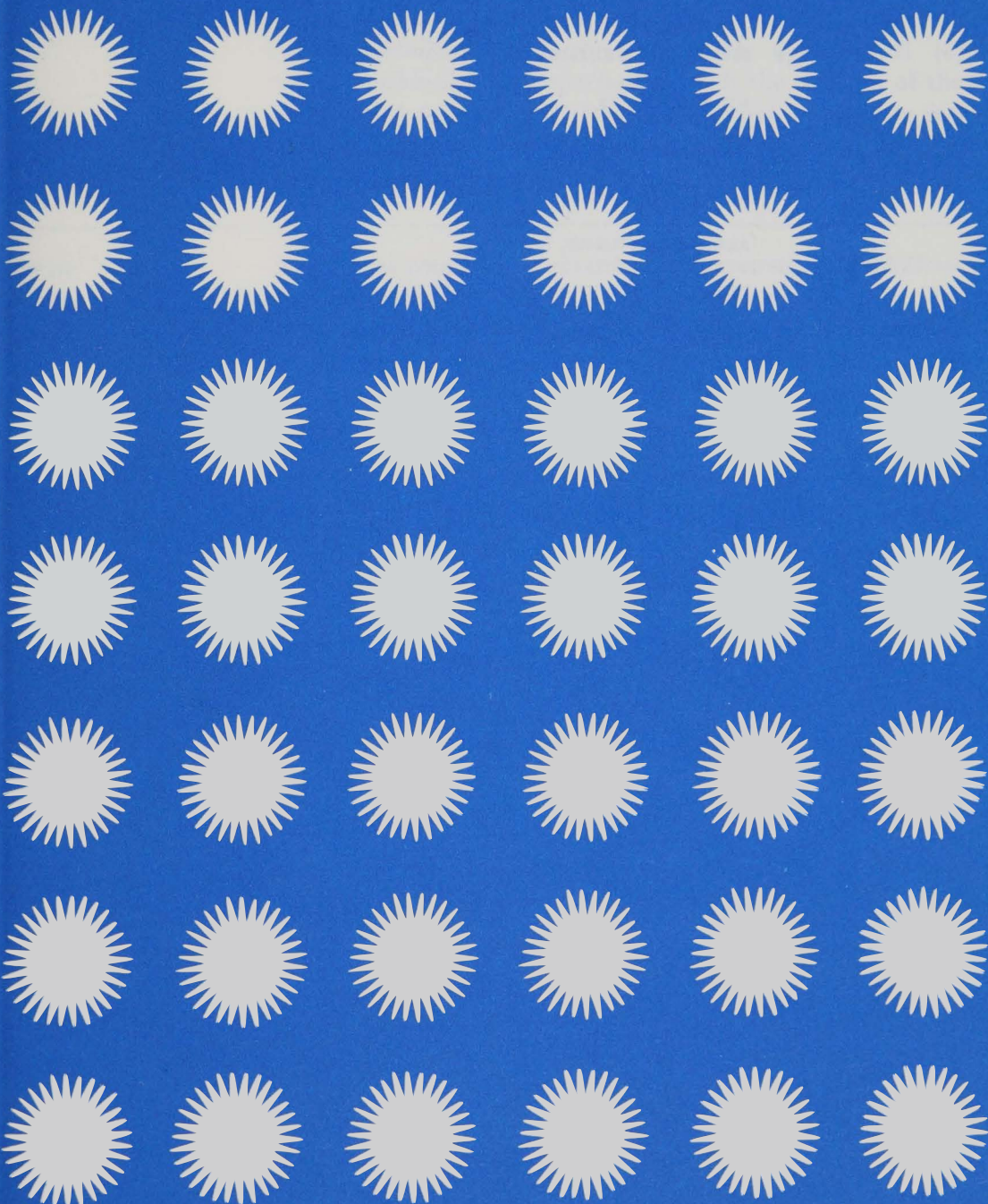
HOUSING AND STUDENT LIVING Students are housed in twenty-six living units: eighteen college residences (some of them coeducational) and eight fraternity houses. All freshmen not living at home or with relatives are required to live in college housing. Individual dormitories have broad social autonomy, 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



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Divisions, Departments, and Courses of Study

Descriptions of major programs can be found as follows: (1) *departmental*, with the appropriate department; (2) *those combining two departments*, with the division of the first-named department; (3) *interdivisional*, in 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 interdisciplinary 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 and three years of Greek.

Requirements for the major in classics-philosophy

In classics: either three years of Latin above the level of 114 and 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*¹.

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, 353; additional courses in art to bring the total to 29 semester hours; at least six semester hours chosen from other fields of study related to the individual student's interests within the major (e.g., history, philosophy, music, English). These courses should be selected with the advice and approval of the student's adviser in the sophomore or junior 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. Comparetti¹, 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, Biron¹, Schmidt, Kempers, Cauz, and Kueter; Assistant Professors F. Pérez, C. Ferguson², P. Doel, Ferguson¹, Filosof, Kerkham¹, S. Cassol, Mursin, Hall, and Rostein; Mr. Doan and Mrs. C. Kueter³.

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 in 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.

¹On leave, 1971-72.

²Director, Junior Year Program in Caen, 1971-72.

³Part-time, 1971-72.

Chairman, PROFESSOR COMPARETTI

Professors E. Comparetti and Ré; Associate Professor Armstrong; Assistant Professors Heinrich¹, Yusti, and D. Reuman².

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.

Division of Social Sciences

Chairman, PROFESSOR WEISSBERG

INTERDEPARTMENTAL MAJORS

Interdepartmental majors are offered in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics. Attention is called also to interdisciplinary majors in American studies, 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, 213, 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 semesters of mathematics; Economics 241, 242; Psychology 111d, 353; Sociology 221e, 222 (although only one of the latter two courses in sequence 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 Geme

¹On leave, 1971-72.

Assistant Professors Cox¹, 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.

EDUCATION

Office of Education, ASSOCIATE PROFESSOR JACOBSON; ASSISTANT PROFESSOR E. PESTANA²

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 languages³. Because requirements vary from state to state, however, each student must assume responsibility for obtaining the pertinent information which he needs⁴. For those students who wish

¹On leave, first semester, 1971-72.

²Part-time.

³For 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.

⁴Most 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 WEISSBERG

Professors Mavrinc¹, Gillum, Raymond, and Weissberg; 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. Reuman*¹, *Todrank, and Parker; Visiting Professor Naravane*²; *Associate Professor Hudson; Assistant Professors Peters and Thorwaldsen; 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 490, 492) and pass an honors examination based on a supplemental 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 a 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 courses in sociology.

Division of Natural Sciences

Chairman, PROFESSOR BANCROFT

INTERDEPARTMENTAL MAJORS

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

Requirements for the major in geology-biology

In geology: 121, 122 or 141, 142 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.

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 veterinar 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.

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 121e, 122d; Physics 121, 122. Other courses or substitutions should be selected in consultation with the chairman of the chemistry department.

Requirements for the ACS accredited major in chemistry

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

MATHEMATICS

Chairman, PROFESSOR ZUKOWSKI

Professors Combellack¹ and L. Zukowski; Assistant Professors 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, 352, 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.

Division of Aerospace Studies

Chairman, ASSOCIATE PROFESSOR HARRIS¹

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.

Division of Physical Education and Athletics

Chairman, ASSOCIATE PROFESSOR WINKIN

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

PHYSICAL EDUCATION FOR MEN

The physical education program for men includes required classes, 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 new 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.

PHYSICAL EDUCATION FOR
WOMEN

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.

AMERICAN STUDIES

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, 271

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 of Independent Study*.

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

Courses of Study

TO SYMBOLS AND METHODS
COURSE DESIGNATION

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

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

- 100 — open to freshmen,
- 200 — ordinarily open to sophomores, and classes above,
- 300 — ordinarily open only to juniors and seniors,
- 400 — ordinarily restricted to seniors.

The second digit may be:

- zero* — either semester of a year-course, with credit given only on completion of the two semesters;
- an even number* — either member of a pair of closely related semester courses (special permission of the department is required to take the second without the first); 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 PRINCIPLES OF ACCOUNTING . 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. <i>Three credit hours.</i>
322 FINANCE RUCTOR	An analytically structured approach to decision-making in the financial area. Money and capital markets are considered. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 241, 242 or special permission. <i>Three credit hours.</i>
[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. <i>Prerequisite:</i> Administrative Science 221, 222. <i>Three credit hours.</i>
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. <i>Prerequisite:</i> Administrative Science 221, 222 or Economics 241, 242. <i>Three credit hours.</i>
33] MANAGERIAL ECONOMICS	The decision-making process examined in an economic context. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 241, 242 or special permission. <i>Three credit hours.</i>
LANDSMAN	The processes of law which underlie personal and institutional relationships. <i>Three credit hours.</i>
E CONSUMER IN SOCIETY . 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. <i>Three credit hours.</i>

141, 142 DRAWING INSTRUCTOR	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. <i>Three credit hours.</i>
211d INTRODUCTION TO PAINTING PROBLEMS MR. MEADER	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 systematic manner. Suggested for students anticipating further work in painting. Enrollment limited. <i>Three credit hours.</i>
221, †[222] PRINCIPLES OF DESIGN MR. MEADER	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. <i>Three credit hours.</i>
252 ARCHITECTURE MR. MILLER	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. <i>Three credit hours.</i>
261, 262 BEGINNING SCULPTURE INSTRUCTOR	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. <i>Three credit hours.</i>
271 AMERICAN ART MR. MILLER	Architecture, sculpture, and painting from colonial times to present. Lectures and problems make use of the original materials in the Colby collections. <i>Three credit hours.</i>
311 THE ART OF ANCIENT GREECE AND ROME MR. MILLER	Architecture, sculpture, and painting from the Archaic period into Roman times. <i>Prerequisite:</i> Art 121 or permission of the instructor. <i>Three credit hours.</i>
*312 ART OF THE RENAISSANCE IN ITALY MR. MILLER	The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major painters and sculptors. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i>

-
- 3] OF THE RENAISSANCE IN
CENTRAL 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 311.
- Prerequisite:* Art 121, 122 or permission of the instructor.
Three credit hours.
-
- 4] EUROPEAN 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
LECTURE
- Emphasis on French painting of the nineteenth and twentieth centuries.
- Prerequisite:* Art 121, 122 or permission of the instructor.
Three credit hours.
-
- ADVANCED PAINTING
LECTURE
- 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
LECTURE
- 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
LECTURE
- 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
LECTURE
- 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 30 students.
- Prerequisite:* Art 121, 122. *Three credit hours.*

371d
ADVANCED PAINTING
MR. MEADER

A tutorial painting situation. Open to students who have shown 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 critical 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 in 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. <i>Three credit hours.</i>
BIOLOGY AND POPULATION BIOLOGY GILBERT	Population dynamics, topics in evolution, and animal behavior. The human "Population Bomb" and its ecological consequences will be discussed. Enrollment limited. <i>Three credit hours.</i>
HUMAN 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. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
HUMAN 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. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
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. <i>Three credit hours.</i>
UNDERSTANDING EVOLUTION FOWLES	The scope, significance, and mechanisms of evolution. Enrollment limited. <i>Three credit hours.</i>
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,

and anatomy of the higher plants. Lecture and laboratory.
Prerequisite: Biology 111 or equivalent. *Four credit hours.*

272
CELL BIOLOGY
MR. CHAMPLIN

An introduction to the study of cellular and molecular biology and 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.

Prerequisite: Biology 271 or equivalent, and Chemistry 141 and 142 (may be taken concurrently). *Four credit hours.*

†[311]
FIELD AND SYSTEMATIC
BOTANY

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. *Four credit hours.*

*313
INVERTEBRATE ZOOLOGY
MR. EASTON

The morphology, physiology, and classification of the invertebrates in lecture and in laboratory. The first few weeks of the semester are spent largely in the field, gaining familiarity with invertebrate fauna and preparing collections. *Four credit hours.*

314
PLANT METABOLISM,
GROWTH AND BEHAVIOR
MR. FOWLES

The essential mechanisms of plant growth and development. Photosynthesis, translocation, and enzymology will be studied. *Four credit hours.*

315
PHYSIOLOGY
MR. TERRY

An introduction to the physiological processes, including enzyme action, respiration, permeability, muscular contraction, nerve and hormonal coordination. *Four credit hours.*

*317
HISTOLOGY AND HISTOLOGICAL
TECHNIQUE
MR. SCOTT

The structure of the cells, tissues, and organs of the vertebrate body and aspects of their function. *Four credit hours.*

318
MICROBIOLOGY
MR. TERRY

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. *Four credit hours.*

9 BIOLOGY OF THE LOWER PLANTS FOWLES	Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. <i>Four credit hours.</i>
31] EMBRYOLOGY	Animal development with emphasis on experimental analysis. <i>Four credit hours.</i>
33] ORDATE EVOLUTION	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. <i>Four credit hours.</i>
LOGICAL THEORY GILBERT	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. <i>Two credit hours.</i>
54] MARINE ECOLOGY	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. <i>Two credit hours.</i>
6 LAND AND ECOLOGY GILBERT	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. <i>Two credit hours.</i>
BIOLOGY FIELD STUDY GILBERT	A trip to a south-temperate or tropical area during the spring recess. Students must cover their own travel expenses. <i>Prerequisite:</i> Biology 352, at least concurrently, or permission of the instructor. <i>One credit hour.</i>
GENETICS SCOTT	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. <i>Three credit hours.</i>
GENETICS SCOTT	Lecture and text material the same as Biology 372 but with the addition of laboratory sessions. <i>Four credit hours.</i>

401, 402
BIOLOGY SEMINAR
STAFF

One credit hour for the year.

491, 492
SPECIAL PROBLEMS
STAFF

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

Prerequisite: Special permission of the department. *One to four credit hours.* Credit to be arranged through consultation.

All courses at the 300 level have as prerequisite: Biology 272 or permission of the department.

Chemistry

112
TOPICS IN CHEMISTRY
MR. SMITH

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. *Three credit hours.*

121e, 122
GENERAL CHEMISTRY
MR. MACHEMER

Selected fundamental principles in inorganic chemistry; stoichiometry; ionic equilibria; atomic and molecular structure. (Satisfies science distribution requirement, but not laboratory science.) *Three credit hours.*

141e, 142
GENERAL CHEMISTRY AND
ELEMENTARY ANALYSIS
MR. MACHEMER

Lecture and text material the same as 121e, 122 but with laboratory sessions added. First semester covers stoichiometry and ionic equilibria, with laboratory practice in introductory quantitative analysis. Second semester: atomic and molecular structure, with the laboratory devoted chiefly to systematic semimicro qualitative analysis. Three hours of lecture, one hour of discussion, and three hours of laboratory per week. *Four credit hours.*

221e, 222
ORGANIC CHEMISTRY
MR. REID

The chemistry of carbon compounds, aliphatic, aromatic, and heterocyclic, from the point of view of synthesis, structure, properties, and uses.

Prerequisite: Chemistry 142. *Three credit hours.*

1E, 242
ORGANIC CHEMISTRY
R. REID

Lecture and text material the same as 221E, 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.*

1
QUANTITATIVE ANALYSIS
R. 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
R. 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. <i>Prerequisite:</i> Chemistry 332, 342. <i>Four credit hours.</i>
432 ADVANCED ORGANIC CHEMISTRY MR. REID	Advanced topics, varied to suit the needs of the students: aliphatics, cyclics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Two hours of lecture per week. <i>Prerequisite:</i> Chemistry 242. <i>Two credit hours.</i>
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. <i>Prerequisite:</i> Chemistry 342. <i>Three credit hours.</i>
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 reactions. Three hours of lecture, one hour of discussion, and three hours of laboratory per week. Biology 111 and 114 are recommended as preparation. <i>Prerequisite:</i> Chemistry 242. <i>Four credit hours.</i>
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. <i>One to three credit hours.</i>

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 poets, the *Antigone* and the *Electra* of Sophocles, the *Libation Bearers* of Aeschylus, and the *Electra* of Euripides, with readings in Herodotus, Thucydides, and Plato. Discussions to focus particular

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.*

12
GREEK DRAMA
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.*

134d1
EARLY GREEK POETRY
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.*

38]
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
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

241e, 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.*

41, 342
MONEY AND BANKING
INSTRUCTOR

The role of money, credit, and banking in the American economy, and the applicability of monetary policy to the problems of economic stability.

Prerequisite: Economics 241, 242. Three credit hours.

51
PUBLIC ECONOMICS
J. DUNLEVY

The economic rationale of the public sector. The supply and demand of public goods, welfare criteria for optimal resource allocation, and the need for political action. Principles of efficient and equitable taxation. Cost-benefit analysis and the evaluation of public activities. Formerly included in Economics 323, 324.

Prerequisite: Economics 241, 242. Three credit hours.

52
FISCAL POLICY
J. DUNLEVY

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.

Prerequisite: Economics 241, 242. Three credit hours.

1, 362
LABOR ECONOMICS
J. PULLEN

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.

Prerequisite: Economics 241, 242. Three credit hours.

372]
EUROPEAN ECONOMIC HISTORY

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.

Prerequisite: Economics 241, 242. Three credit hours.

74
AMERICAN ECONOMIC HISTORY
J. GEMERY

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.

Prerequisite: Economics 241, 242. Three credit hours.

31, 382
INTERNATIONAL ECONOMICS
J. HOGENDORN

The nature of international economic relations, including the theory of international trade, international monetary analysis, monetary reform, capital movements and unilateral transfers,

commodity agreements and cartels, international economic organizations.

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 the Keynesian is included. Extensive use of source material. Required 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 in economics. *One to four credit hours.*

Education

213
SOCIOLOGY OF EDUCATION
MR. JACOBSON

The role of human relations in education. One hour daily to be 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.*

DEVELOPMENTAL PSYCHOLOGY ZOHNER	Listed as Psychology 252 (<i>q.v.</i>). Required for certification. <i>Three credit hours.</i>
FIELD EXPERIENCE IN EDUCATION PESTANA	Optional adjunct to Psychology 252. One hour daily to be served as an assistant teacher in a local elementary school. Nongraded. <i>Prerequisite:</i> Concurrent enrollment in Psychology 252 and permission of the instructor. <i>One credit hour.</i>
PHILOSOPHY OF EDUCATION HUDSON	Listed as Philosophy 333 (<i>q.v.</i>). Required for certification. <i>Three credit hours.</i>
HISTORY AND GOVERNMENT OF EDUCATION JACOBSON	The history and government of American educational systems. Open to prospective teachers; required for certification. Formerly listed as Education 214. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
EDU 354 FIELD EXPERIENCE IN EDUCATION PESTANA	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. <i>Prerequisite:</i> Concurrent enrollment in Philosophy 333 or Education 336 and permission of the instructor. <i>One credit hour.</i>
EDU 442 TEACHING INTERNSHIP JACOBSON	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. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
FIELD EXPERIENCE IN EDUCATION JACOBSON	Optional adjunct to Education 442. One hour daily to be served as a teaching aide in a local high school. Nongraded. <i>Prerequisite:</i> Concurrent enrollment in Education 442 and permission of the instructor. <i>One credit hour.</i>
EDU 492 SPECIAL TOPICS HOFF	Independent study of advanced topics and areas of individual interest in research and development. <i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i>

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 not English or whose training in English is limited. Nongraded.
Prerequisite: Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111, 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.*

- Introduction to Literature in English
ENGLISH
Literature in the English language (eighteenth through twentieth centuries) through a study of selected English authors.
Prerequisite: English 152. *Three credit hours.*
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- 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.
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- Argumentation and Debate
WITHAM
Principles of argumentation with application in extended persuasive speeches and formal debate.
Prerequisite: English 131 or permission of the instructor.
Three credit hours.
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- Introduction to Old and Middle English Literature
MACKAY
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
ARNOLD
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.*
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- Introduction to the Poetry of the Seventeenth Century
KOONCE AND MR. ARNOLD
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
SUTHERLAND AND SWENEY
Selected works of Pope, Swift, Johnson, Blake, and other major writers of the eighteenth century.
Prerequisite: English 152 or 211. *Three credit hours.*
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- Introduction to Romanticism
MIZNER AND MR. STRATMAN
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.*

<p>271d INTRODUCTION TO AMERICAN LITERATURE MR. BRANCACCIO AND MR. BASSETT</p>	<p>Major American authors — primarily from the nineteenth century — with particular consideration given to the development of an American tradition in poetry and fiction. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>
<p>273 INTRODUCTION TO VICTORIAN LITERATURE MISS CURRAN</p>	<p>An introduction to the period and its literature through a study of Victorian comic traditions. Emphasis will be placed on the novel, periodical literature, drama, and nonsense. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>
<p>311d2 STUDIES IN MEDIEVAL LITERATURE MR. MACKAY</p>	<p>Chaucer's development of his continental sources with special attention to <i>Troilus</i>, "The Knight's Tale," <i>The Parliament</i>, and <i>The House of Fame</i>. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>
<p>[312] STUDIES IN THE RENAISSANCE</p>	<p>The poetry of Edmund Spenser. Attention will be focused upon <i>The Faerie Queene</i> and the problem of Renaissance epic. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>
<p>315d2 STUDIES IN THE SEVENTEENTH CENTURY MR. KOONCE</p>	<p>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. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>
<p>317 INTRODUCTION TO SHAKESPEARE MR. BENBOW</p>	<p>Lectures on major comedies, histories, and tragedies, selected to cover Shakespeare's career and to illustrate the nature of Shakespearean drama. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>
<p>318 STUDIES IN SHAKESPEARE MR. BENBOW</p>	<p>Intensive reading of the histories and tragedies or of the comedies, with special attention to Shakespeare's development as a dramatist and to his relation with his contemporaries. <i>Prerequisite:</i> English 317. <i>Three credit hours.</i></p>
<p>319 MILTON MR. ARNOLD</p>	<p>Milton's poetry and prose. <i>Prerequisite:</i> English 152 or 211. <i>Three credit hours.</i></p>

STORIES IN THE EIGHTEENTH
CENTURY
SUTHERLAND

The development of the novel as a major art form. Readings in Defoe, Richardson, Fielding, Smollett, Sterne, and others.
Prerequisite: English 152 or 211. Three credit hours.

STORIES IN ROMANTICISM
MIZNER

Romanticism viewed as the ancestor of Existentialism. Readings in the novel and the drama of England, France, Russia, and Germany.
Prerequisite: English 152 or 211. Three credit hours.

STORIES IN VICTORIAN
LITERATURE: ART, ARTIST, AND
SCIENCE
CURRAN

This study of verbal and visual arts in the nineteenth century will attempt to define Victorian expectations and practices in viewing and creating "art." Emphasis in the verbal arts will be on poetry; Victorian writings on the visual arts will also be read.
Prerequisite: English 152 or 211. Three credit hours.

SELECTED
PROSE AND POETRY BY
EARLY AMERICAN AUTHORS

Selected prose and poetry from the Puritan period, the Age of Reason, and the pre-romantic movement in American literature.
Prerequisite: English 152 or 211. Three credit hours.

AMERICAN REALISM AND
NATURALISM
BRANCACCIO

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

INTRODUCTION TO AMERICAN
LITERATURE: ENGLISH
BASSETT AND
BRANCACCIO

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

THE
GUARDIAN LITERATURE
KENNEY

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

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- 352
CONTEMPORARY AMERICAN
FICTION
MR. BASSETT
- 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.
Prerequisite: English 152 or 211. *Three credit hours.*
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- 353
TWENTIETH-CENTURY POETRY:
THE MODERN TRADITION
MR. HUNT
- 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.
Prerequisite: English 152 or 211. *Three credit hours.*
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- 354
CONTEMPORARY BRITISH
FICTION
MR. KENNEY
- 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.
Prerequisite: English 152 or 211. *Three credit hours.*
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- [355]
TWENTIETH-CENTURY POETRY:
MID-CENTURY
- 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.
Prerequisite: English 152 or 211. *Three credit hours.*
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- 357, 358
MODERN DRAMA
MR. SUSS
- 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 the important theatrical movements of the times. Qualified students may be admitted to the second semester without the first.
Prerequisite: English 152 or 211. *Three credit hours.*
-
- 371
STUDIES IN CRITICISM
MR. STRATMAN
- The development of modern criticism from several theoretical viewpoints: Marxist, Freudian, Jungian, and New Critical.
Prerequisite: English 152 or 211. *Three credit hours.*
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- 373
HISTORY OF THE LANGUAGE
MR. MACKAY
- 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 supplement.

	mented by illustrative selections from English and American literature. <i>Prerequisite: English 152 or 211. Three credit hours.</i>
BLACK AMERICAN LITERATURE BRANCACCIO	The writings of Black Americans from the beginnings to the present, with special emphasis on autobiography and fiction. <i>Prerequisite: English 152 or 211. Three credit hours.</i>
ADVANCED FICTION WORKSHOP GILLESPIE	Practice in the writing of short stories with major emphasis upon student manuscripts. <i>Prerequisite: English 118 or permission of the instructor. Three credit hours.</i>
ADVANCED POETRY WORKSHOP GILLESPIE	Practice in the writing of poetry with major emphasis upon student manuscripts. <i>Prerequisite: English 118 or permission of the instructor. Three credit hours.</i>
ORAL INTERPRETATION WITHAM	Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. <i>Prerequisite: English 152 or 211. Three credit hours.</i>
THE TEACHING OF ENGLISH HUNT	Reading and discussion of current issues and methods in the teaching of English, and participation in the Center for Coordinated Studies. Nongraded. <i>Prerequisite: Concurrent enrollment in Education 441 or permission of the instructor. Three credit hours.</i>
ENGLISH 424 MAJOR AMERICAN ROMANTICS CARY	The golden age of romanticism in American literature. First semester: representative works of Poe, Emerson, Thoreau; second semester: Whitman, Melville, Hawthorne. <i>Prerequisite: English 152 or 211. Three credit hours.</i>
ENGLISH 492 TOPICS IN LITERATURE AFF	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite: Permission of the chairman. Three credit hours.</i>
ENGLISH 494 SEMINARS IN ENGLISH AND AMERICAN LITERATURE AFF	Topics which change each semester may cover an author, a genre, or a literary movement. <i>Prerequisite: Permission of the department. Three credit hours.</i>

French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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

111, 112
ELEMENTARY FRENCH
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 class work. Class meets daily Monday through Friday. *Four credit hours.*

113, 114
INTERMEDIATE FRENCH
STAFF

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.*

123, 124
ADVANCED FRENCH
STAFF

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.*

125, 126
INTRODUCTION TO FRENCH
LITERATURE
STAFF

Introduction to French literature through the reading of selected 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.*

211d
FRENCH COMPOSITION
INSTRUCTOR

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.*

<p>222 MAJOR FRENCH AUTHORS EFF</p>	<p>Thematically grouped works of major French authors and critical and background materials. Two lectures and one discussion period per week. <i>Prerequisite:</i> French 126 or the equivalent. Open only to sophomore majors in French. <i>Four credit hours.</i></p>
<p>242 CONTEMPORARY FRENCH LITERATURE INSTRUCTOR</p>	<p>Introduction to literature of the twentieth century, with representative works in prose, poetry, and theatre. <i>Prerequisite:</i> French 126. <i>Three credit hours.</i></p>
<p>3, 344 FRENCH THOUGHT OF THE NINETEENTH CENTURY KELLENBERGER</p>	<p>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 <i>belles-lettres</i>. <i>Prerequisite:</i> French 242 or permission of the instructor. <i>Three credit hours.</i></p>
<p>1, 362 STORIES IN THE FRENCH NOVEL BUNDY</p>	<p>Some of the major French novelists, grouped usually by theme, period, or genre. <i>Prerequisite:</i> French 126 or equivalent. <i>Three credit hours.</i></p>
<p>63, 364] STORIES IN FRENCH POETRY</p>	<p>Some of the major French poets, grouped usually by theme, period, or movement. <i>Prerequisite:</i> French 126 or equivalent. <i>Three credit hours.</i></p>
<p>65, 366] STORIES IN FRENCH THEATRE</p>	<p>Some of the major French poets, grouped usually by theme, period, or genre. <i>Prerequisite:</i> French 126 or equivalent. <i>Three credit hours.</i></p>
<p>TEACHING OF MODERN FOREIGN LANGUAGES BIRON</p>	<p>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. <i>Prerequisite:</i> French 222 or 242. <i>Three credit hours.</i></p>
<p>4-L LANGUAGE TEACHING EFF</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in French 411; nongraded. <i>Two credit hours.</i></p>

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 the 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.

e, 162
PROBLEMS IN GEOLOGY¹
FF

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.*

IMENTATION AND
IMENTARY ROCKS
PESTANA

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.*

1, 222
P INTERPRETATION AND
MORPHOLOGY OF THE
UNITED STATES
KOONS

Origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States.
Prerequisite: Geology 122 or 142 or 161, 162. *Three credit hours.*

1, 242
OLOGIC STRUCTURES AND
LD METHODS
ALLEN

Analysis of rock structures and their significance, and techniques of field mapping.
Prerequisite: Geology 122 or 142 or 161, 162. *Four credit hours.*

, 262
VERTEBRATE PALEONTOLOGY
PESTANA

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.*

71]
ACIAL GEOLOGY

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.*

¹Of 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 investigation of the chemical composition and optical properties of minerals with the petrographic microscope and emission spectrograph.

Prerequisite: Chemistry 141 (may be taken concurrently) 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 precipitation; 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 rock samples.

Prerequisite: Geology 212, and Geology 261 or Biology 261. *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 authentic materials in the language laboratory is a regular part of the course.

work. Class meets daily Monday through Friday. *Four credit hours.*

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
K. BITHNER

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
K. KUETER

Concentrated practice in oral and written German.

Prerequisite: German 114. *Two credit hours.*

READING IN LITERATURE,
SCIENCE, CURRENT EVENTS
INSTRUCTOR

Designed to provide students with the opportunity to maintain and firmly establish their language skills. Conducted in English.

Prerequisite: German 114 or appropriate score on the placement test. *One credit hour.*

133
NINETEENTH-CENTURY
THEATRE

Representative works of the major dramatists of the nineteenth century.

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

135
ROMANTICISM
M. FERGUSON

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.*

136
THE NOVELLE
M. FERGUSON

Extensive readings in the novelle of the nineteenth century.

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

†[338] NINETEENTH-CENTURY POETRY	Selected poems of the major poets of the nineteenth century. <i>Prerequisite:</i> German 126 or 216. <i>Three credit hours.</i>
*343, 344 GERMAN LITERATURE OF THE EIGHTEENTH CENTURY MR. KUETER AND MR. BITHER	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. <i>Prerequisite:</i> German 126 or 216. <i>Three credit hours.</i>
†[347, 348] CONTEMPORARY GERMAN LITERATURE	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. <i>Prerequisite:</i> German 126 or 216. <i>Three credit hours.</i>
411 TEACHING OF MODERN FOREIGN LANGUAGES MR. BIRON	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. <i>Prerequisite:</i> German 126, 215, or 216. <i>Three credit hours.</i>
411-L LANGUAGE TEACHING STAFF	Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in German 411. Nongraded. <i>Two credit hours.</i>
491, 492 TOPICS IN GERMAN LITERATURE STAFF	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i>
[493], 494 SEMINAR IN GERMAN LITERATURE MR. SCHMIDT	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 <i>Faust</i> . <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>

Government

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

1, 132

INTRODUCTION TO A STUDY
OF THE POLITICAL ORDER
OFF

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

Open to freshmen only. *Three credit hours.*

APPROACHES TO THE POLITICAL
ORDER — EAST AND WEST
S ROSEN

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. *Three credit hours.*

POLITICAL MODERNIZATION IN
EAST ASIA
S ROSEN

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. *Three credit hours.*

THEORIES OF COMPARATIVE
GOVERNMENT
S SACKS

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. *Three credit hours.*

EUROPEAN POLITICS
S SACKS

Britain, France, and West Germany viewed in terms of the relationship between political culture and political structure.

Prerequisite: Government 233 or equivalent, or permission of the instructor. *Three credit hours.*

EVOLUTION OF POLITICAL
INSTITUTIONS IN EAST ASIA
S ROSEN

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. *Three credit hours.*

<p>257 THE AMERICAN PRESIDENCY MR. MAISEL</p>	<p>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. <i>Three credit hours.</i></p>
<p>258 THE AMERICAN CONGRESS MR. MAISEL</p>	<p>Legislative politics at the federal level. Topics will include electoral 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. <i>Three credit hours.</i></p>
<p>314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC</p>	<p>The United States Supreme Court and constitutional litigation as part of the American political process. <i>Three credit hours.</i></p>
<p>321, 322 POLITICAL THEORY MR. MAVRINAC</p>	<p>Some of the principal western approaches to the nature of political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. <i>Three credit hours.</i></p>
<p>†[333] TOTALITARIAN GOVERNMENT AND POLITICS</p>	<p>The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. <i>Three credit hours.</i></p>
<p>335 INTERNATIONAL RELATIONS MR. WEISSBERG</p>	<p>Principles of international politics, stressing such topics as balance of power, collective security, diplomacy, and national interest. <i>Three credit hours.</i></p>
<p>†[336] INTERNATIONAL ORGANIZATION</p>	<p>The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. <i>Three credit hours.</i></p>
<p>338 INTERNATIONAL LAW MR. WEISSBERG</p>	<p>The body of rules and principles of behavior which govern states in their relations with each other, as illustrated in cases and texts. <i>Three credit hours.</i></p>

GERMAN POLITICS SACKS	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. <i>Three credit hours.</i>
PARTIES AND THE ELECTORAL PROCESS MAISEL	An analysis of partisan politics and elections, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. <i>Three credit hours.</i>
EAST ASIAN POLITICAL THOUGHT ROSEN	Analysis of works by the leading political thinkers of China and Japan. Major writings will be read in translation for class discussion. <i>Three credit hours.</i>
CHINESE FOREIGN POLICY ROSEN	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. <i>Three credit hours.</i>
SPECIAL PROBLEMS IN LOCAL GOVERNMENT	Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. <i>Three credit hours.</i>
POLITICAL INSTITUTIONS OF MODERN CHINA ROSEN	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. <i>Three credit hours.</i>
PUBLIC ADMINISTRATION	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. <i>Three credit hours.</i>

393
STATE AND LOCAL GOVERNMENT
MR. FARR

The evolution of the federal system, with particular emphasis on current intergovernmental programs together with a comparative analysis of state and local governments, their organizational patterns and political climates. Formerly listed as Government 39. *Three credit hours.*

[398]
COMPARATIVE FOREIGN
POLICIES

Comparative study of the impact of institutional structure ideology, various definitions of national aims, and competition of military, intelligence, and diplomatic institutions on the formulation of foreign policy and the international behavior of the major powers. *Three credit hours.*

414d1
SEMINAR IN COMPARATIVE
POLITICS
MR. SACKS

A comparative analysis of the political "machine" 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. *Three credit hours.*

†[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 credit hours.*

435
SEMINAR IN AMERICAN
NATIONAL GOVERNMENT AND
POLITICS
MR. MAISEL

The American national government as organization and process and the elements of national political life. *Prerequisite:* Permission of the instructor. *Three credit hours.*

†[436]
AMERICAN POLITICS SEMINAR:
VOTING BEHAVIOR

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

457d2
FOREIGN POLICY OF THE
UNITED STATES
MR. WEISSBERG

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

58] SEMINAR 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.*

1, 492 TOPICS IN GOVERNMENT AFF
 A study of government through special topics.
Prerequisite: Government major and special permission of the department chairman. *Three credit hours.*

58] SEMINAR 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

1, 112 ELEMENTARY GREEK
 S. KOONCE AND
 R. WESTERVELT
 Readings in Homer's *Iliad*. *Four credit hours.*

1 INTRODUCTION TO GREEK LITERATURE I
 R. WESTERVELT
 Further readings in Homer. *Three credit hours.*

2 INTRODUCTION TO GREEK LITERATURE II
 R. HOWARD
 Plato: *Apology*, *Crito*, selections from the *Phaedo*. *Three credit hours.*

51] GREEK LITERATURE
 Thucydides. *Three credit hours.*

†[352] Sophocles. *Three credit hours.*
GREEK LITERATURE

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

*354 Euripides. *Three credit hours.*
GREEK LITERATURE
MRS. KOONCE AND
MR. WESTERVELT

*355 Herodotus. *Three credit hours.*
GREEK LITERATURE
MR. HOWARD

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

*413 Aeschylus. *Three credit hours.*
SEMINAR
MR. HOWARD

†[414] Aristophanes. *Three credit hours.*
SEMINAR

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

History

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

131, 132
INTRODUCTION TO HISTORY
STAFF

The several sections provide varied approaches to methods of historical analysis. Recent examples have been: dynamics of revolution; humanism; twentieth-century France; modern Europe.

rope; contemporary American society. A description of work proposed for each section is available at registration. Limited to freshmen. *Three credit hours.*

3, 134
RODUCTION 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
ISTORY 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
RVEY OF UNITED STATES
ISTORY
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]
EDIEVAL 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]
ENAISSANCE AND
EFORMATION, 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
HE EMERGENCE OF MODERN
RITAIN, 1688-1867
R. GILLUM

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

8
RITAIN 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.*

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- 271
PRESIDENTIAL ELECTIONS AND
THE AMERICAN ECONOMY,
1952-1972
MR. BRIDGMAN
- 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. *Three credit hours.*
-
- 297
AFRO-AMERICAN HISTORY I
MR. FONER
- 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.
Prerequisite: Permission of the instructor. *Three credit hours.*
-
- 298
AFRO-AMERICAN HISTORY II
MR. FONER
- 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.
Prerequisite: Permission of the instructor. *Three credit hours.*
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- 311
TUTORIAL IN HISTORY
MR. RAYMOND
- Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to six students.
Prerequisite: Permission of the instructor. *One to three credit hours by prior arrangement.*
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- *323, 324
EUROPEAN DIPLOMATIC
HISTORY
MR. BERSCHNEIDER
- Diplomacy, its methodology and history. The first semester will examine the development of the modern European state system and the diplomatic relations 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 "old diplomacy" and the "new diplomacy" in the establishment of "concerts of power" for the maintenance of "peace."
Prerequisite: One year course or equivalent in history or government or permission of the instructor. *Three credit hours.*
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- †[331]
THE BRITISH EMPIRE AND
COMMONWEALTH
- 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.
Prerequisite: One year course or equivalent in history or permission of the instructor. *Three credit hours.*

334] MEDIEVAL ENGLAND: THE ORIGINS 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 TUDOR-STUART ENGLAND
 R. 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 HISTORY OF RUSSIA AND THE USSR
 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] INTELLECTUAL AND CULTURAL HISTORY 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 MODERN 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.*

354 THE FRENCH REVOLUTION AND 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 MODERN GERMANY
 R. GILLUM
 The governmental and economic development and the international influence of Germany from 1848 to the present time. Formerly listed as History 375.

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

*359

MODERN JAPANESE HISTORY
MR. ELISON

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 of modernization. *Three credit hours.*

†[363, 364]

CULTURAL HISTORY OF JAPAN

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.*

372

LOYALTY, SCIENCE, AND THE
UNITED STATES GOVERNMENT,
1945-1972
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.*

†[373]

THE YOUNG INDUSTRIAL STATE,
1877-1932

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

374

CONTEMPORARY AMERICA,
1929 TO PRESENT
MR. BRIDGMAN

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

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- 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.*
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- 376]
 THE ERA OF THE AMERICAN
 REVOLUTION, 1763-1789
- Interpretations of the coming of the Revolution, the Declaration of Independence, the War, the Articles of Confederation, and the Constitution. Foundations of American institutions and traditions are viewed. 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,
 1850-1880
 . 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 permission of the instructor. *Three credit hours.*
-
- 91
 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,
 1861-1865
 . 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.*
-
- 395]
 THE EARLY NATIONAL
 PUBLIC, 1801-1845
- The United States during a foreshortened half-century of its evolution, 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.*

399
AFRO-AMERICAN HISTORY III
MR. FONER

The history of the Black American and race relations from 1900 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.

Prerequisite: History 297, 298, or 397, 398, or permission of the instructor. *Three credit hours.*

*414
SEMINAR IN JAPANESE HISTORY
MR. ELISON

Special topics in Japanese history.

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

†[416]
SEMINAR IN AMERICAN HISTORY

Special topics in American history.

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

418
SEMINAR IN EUROPEAN
HISTORY
MR. BERSCHNEIDER

Methods of research and a critical study of sources and documents in the history of the Crusades.

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

432
SEMINAR IN AFRO-AMERICAN
HISTORY
MR. FONER

Group discussion and individual reports based on research on selected topics in Afro-American history.

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

†[433]
SEMINAR IN ENGLISH HISTORY

Reading and research on various topics in English history, with special attention devoted to political history in the nineteenth and twentieth centuries.

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

491, 492
TOPICS IN HISTORY
STAFF

A study of history through special topics.

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

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.*

31]
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.*

†[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
STAFF

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

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
MR. WESTERVELT AND
MR. HOWARD

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
MRS. KOONCE

Plautus. *Three credit hours.*

[351]
LATIN LITERATURE

Lucretius. *Three credit hours.*

[352]
LATIN LITERATURE

Livy. *Three credit hours.*

*353
LATIN LITERATURE
MR. HOWARD

Roman elegy. *Three credit hours.*

*354
LATIN LITERATURE
MR. WESTERVELT

Cicero: selected speeches. *Three credit hours.*

355] Roman satire. *Three credit hours.*
LATIN LITERATURE

356] Cicero: letters. *Three credit hours.*
LATIN LITERATURE

357d2 Horace: *Odes* and *Ars Poetica*. *Three credit hours.*
LATIN LITERATURE
R. HOWARD

358] Tacitus. *Three credit hours.*
LATIN LITERATURE

359] Virgil: *Eclogues* and *Georgics*. *Three credit hours.*
LATIN LITERATURE

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

414] Virgil: *Aeneid*. *Three credit hours.*
MINAR

1, 492 Reading in a field of the student's interest, with essays and conferences. *One to three credit hours by prior arrangement.*
DEPENDENT READING IN
LATIN LITERATURE
AFF

Mathematics

3d 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.*
NEAR ALGEBRA
AFF

1d Elementary differential and integral calculus. *Three credit hours.*
CALCULUS I
AFF

122d CALCULUS II STAFF	Further study of differential and integral calculus with selected applications. <i>Prerequisite:</i> Mathematics 121d. <i>Four credit hours.</i>
212d CALCULUS III STAFF	A continuation of Calculus II. <i>Prerequisite:</i> Mathematics 122d. <i>Four credit hours.</i>
241, 242 ELEMENTARY STATISTICS MR. HAYSLETT	Descriptive statistics; elementary probability theory; binomial and normal distributions; elementary sampling theory; tests of hypotheses; confidence intervals; nonparametric statistics; correlation and regression; analysis of variance; time series. Applications are emphasized. Not open to mathematics majors. <i>Prerequisite:</i> Mathematics 121d. <i>Three credit hours.</i>
†[243, 244] FINITE MATHEMATICS	Selected topics from modern mathematics useful in the biological and social sciences; including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Statistics is not treated, but is offered in other courses. Not open to mathematics majors. <i>Prerequisite:</i> Mathematics 113d or 121d. <i>Three credit hours.</i>
311d DIFFERENTIAL EQUATIONS MR. COMBELLACK AND MR. KNOX	Solutions of elementary differential equations and an introduction to partial differential equations. <i>Prerequisite:</i> Mathematics 212d. <i>Three credit hours.</i>
[314] TOPICS IN ANALYSIS	Solutions of differential equations, including Bessel's, by series; Fourier series; the vibrating string problem; the operator δ and the integral theorems; and finite differences. <i>Prerequisite:</i> Mathematics 311. <i>Two credit hours.</i>
[316] THE LAPLACE TRANSFORM	Theory and applications of the Laplace transform. <i>Prerequisite:</i> Mathematics 311. <i>One credit hour.</i>
332 INTRODUCTORY NUMERICAL ANALYSIS AND PROGRAMMING MR. KNOX	Solution by numerical methods of linear and nonlinear equations, systems of equations, and differential equations; numerical integration; polynomial approximation; matrix inversion; error analysis. A time-sharing computer system will be used to solve problems.

Prerequisite: Some programming experience, Mathematics 113d and 212d or permission of the instructor. *Three credit hours.*

2
 COMPLEX VARIABLES
 . COMBELLACK

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.*

1, 362
 HIGHER ALGEBRA
 . FUGLISTER

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.*

1, 382
 MATHEMATICAL STATISTICS
 . HAYSLETT

Random variables; special probability distributions; moment generating functions; maximum likelihood estimators; sampling distributions; regression; tests of hypotheses; confidence intervals; linear models; analysis of variance. Although applications are discussed, emphasis is on theory.

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

1, 422
 ADVANCED CALCULUS
 . SMALL

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, Lebesgue measure and integration.

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

1
 INTRODUCTION TO TOPOLOGY
 . FUGLISTER

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

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

1
 HIGHER GEOMETRY
 . FUGLISTER

Properties of various geometries with emphasis on axiomatic development.

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

1, 492
 SPECIAL TOPICS
 . FUGLISTER

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.*

- 13, 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
MIDDLE AGE MUSIC
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 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.*

-
- 263, 264
HARMONY
MR. RÉ
- 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.
Prerequisite: Music 163, 164. *Three credit hours.*
-
- *272
COUNTERPOINT
MR. RÉ
- 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.
Prerequisite: Music 163, 164. *Three credit hours.*
-
- *321, 322
THE VIENNESE CLASSICISTS
MR. COMPARETTI
- 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.
Prerequisite: Music 123d, 124d or equivalent and 163, or permission of the instructor. *Three credit hours.*
-
- †[325, 326]
OPERA AND ORATORIO
- 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.
Prerequisite: Music 123d, 124d or equivalent and 163, or permission of the instructor. *Three credit hours.*
-
- 371
COMPOSITION
MR. RÉ
- 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.
Prerequisite: Music 263, 264. *Three or four credit hours.*
-
- 411
SEMINAR IN MUSIC HISTORY
MR. ARMSTRONG
- Research and critical analysis in various areas of western music history. Primarily for senior music majors.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
-
- 491, 492
SPECIAL TOPICS
STAFF
- Individual topics in areas where the student has demonstrated interest and competence necessary for independent work. Primarily for senior music majors.

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

APPLIED MUSIC

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

PHILOSOPHY 124
 INTRODUCTION TO WESTERN
 PHILOSOPHY
 HUDSON AND
 HOFF

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.*

GENERAL PHILOSOPHY
 REUMAN

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.*

LOGIC
 INSTRUCTOR

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

PHILOSOPHY 35]
 PHILOSOPHICAL ECOLOGY

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

PHILOSOPHY 36]
 HISTORICAL PHILOSOPHY

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

PHILOSOPHY 33]
 AESTHETICS

Problems that arise in analyses and criticisms of the arts.

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

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- *316
METAPHYSICS
MR. HUDSON
- A contemporary approach to the problem of reality or being and such metaphysical topics as time, space, substance, and causality. Attention also to methods for dealing with metaphysical problems and of validating metaphysical claims. *Three credit hours.*
-
- 317
PHILOSOPHY OF SCIENCE
INSTRUCTOR
- Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the sciences will be considered. *Three credit hours.*
-
- *319d2
ETHICS AND GENERAL THEORY
OF VALUE
MR. REUMAN
- 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.
Prerequisite: Philosophy 211 or permission of the instructor.
Three credit hours.
-
- 331
HISTORY OF ANCIENT
PHILOSOPHY
MR. PARKER
- Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. *Three credit hours.*
-
- 332
HISTORY OF MODERN
PHILOSOPHY
MR. REUMAN
- European philosophy from Descartes to the nineteenth century with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. *Three credit hours.*
-
- 333
PHILOSOPHY OF EDUCATION
MR. HUDSON
- Philosophical positions held by theorists from Plato to Dewey, primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of the instructor. *Three credit hours.*
-
- †[352]
AMERICAN THOUGHT
- 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. *Three credit hours.*

355] CONTEMPORARY PHILOSOPHY
INSTRUCTOR

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.*

356] INDIAN 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.*

356] INDIAN THOUGHT

Types of Indian philosophy of the modern period.

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

357] SYMBOLIC 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.*

359] NINETEENTH-CENTURY PHILOSOPHY
A. REUMAN

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

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

372] 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.*

373] HISTORY OF MEDIEVAL PHILOSOPHY

History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics. 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, Jasper, Marcel, Buber, and Merleau-Ponty. Philosophy 359 is a desirable background but is not required.
Prerequisite: Two semester courses in philosophy or permission of the instructor. *Three credit hours.*
-
- 391, 392
PHILOSOPHY SEMINARS
STAFF
- Seminars in selected areas of philosophy are presented each semester. In 1972-73 the topics will be: 391, "Hume and Kant" 392, "Comparative Social Structures and Ideologies." Open to majors and nonmajors.
Prerequisite: Permission of the instructors. *Three credit hours.*
-
- 491, 492
SPECIAL TOPICS
STAFF
- Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *One to four credit hours.*
-

Physical Education

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- 301, 302
THE ORGANIZATION AND
ADMINISTRATION OF PHYSICAL
EDUCATION AND ATHLETICS
MR. WINKIN AND MR. NELSON
- Administrative policies, practices, teaching methods, and standards pertaining to the execution of a modern program of physical 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 enable 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 twentieth century. Second semester: contemporary history; twentieth-century trends in the dance.
Prerequisite: Permission of the instructor. *Three credit hours.*

Physics

122
GENERAL PHYSICS
FF

A 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
BANCROFT

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.*

GEOMETRICAL AND PHYSICAL OPTICS
BANCROFT

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.*

322
INTRODUCTION TO THEORETICAL PHYSICS
DUDLEY AND MR. METZ

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.*

1
THERMODYNAMICS
BANCROFT

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 a limited number of students. Formerly listed as Physics 211.

Prerequisite: Physics 122, Mathematics 121d, and permission of 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. *Two to five credit hours.*

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

15
INTRODUCTION TO PSYCHOLOGY
OFF

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.*

15
QUANTITATIVE METHODS
ZOHNER

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.

15
BLACK PSYCHOLOGY
LESTER

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.

13
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.*

15
ANIMAL AND HUMAN ETHOLOGY
DESISTO

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-

havior from the time of Darwin through constructs of classical 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.*

†[234]
PSYCHOLOGICAL TESTS AND
MEASUREMENTS

The theory and problems of psychological measurement, with special emphasis on the construction of psychological tests and their application in research, clinical practice, and education. Formerly listed as Psychology 374.

Prerequisite: Psychology 111d, Psychology 114 or Mathematics 242. *Three credit hours.*

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.*

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.*

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.*

272
NEUROPSYCHOLOGY
MR. DESISTO

The study of neural processes underlying experience and behavior; the ways in which the nervous system codes perceptual 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.*

-
- 4
VISION AND VISUAL
PERCEPTION
R. JOHNSON
- 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.*
-
- 7
SEMINAR IN DEVELOPMENTAL
PSYCHOLOGY
R. ZOHNER
- Historical, theoretical, and empirical aspects of the development of the individual. Special attention will be given to a critical analysis of existing research and methodology. Formerly listed as Psychology 411.
- Prerequisite:* Psychology 252 and permission of the instructor. *Three credit hours.*
-
- 1
LEARNING
R. ZOHNER
- A consideration of the principles of learning and the empirical evidence underlying them.
- Prerequisite:* Psychology 271 and permission of the instructor. *Four credit hours.*
-
- 3d
SOCIAL PSYCHOLOGY
C. GILLESPIE
- 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.*
-
- 2
HISTORY AND SYSTEMS OF
PSYCHOLOGY
R. JOHNSON
- The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis.
- Prerequisite:* Three semester courses in psychology. *Three credit hours.*
-
- 2
SENIOR SEMINAR
AFF
- 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 the 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 of 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, Hinduism, Theravada Buddhism, Zen in China and Japan, Sufism 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.*

319
MYTH AND RITUAL
R. THORWALDSEN

Archaic and primitive myths, with emphasis on creation stories and the rituals of renewal associated with cosmogenic mythology. Enrollment limited. *Three credit hours.*

351]
THE BOOK OF JOB

The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems.
Prerequisite: Religion 121 or 223. *Three credit hours.*

352]
THE THEOLOGY OF PAUL

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.
Prerequisite: Religion 224. *Three credit hours.*

353
THE GREAT PROPHETS OF
ISRAEL
R. LONGSTAFF

An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times.
Prerequisite: Religion 223. *Three credit hours.*

358
JESUS OF NAZARETH
R. LONGSTAFF

A critical study of the Gospel materials dealing with the life and teaching of Jesus. Giving attention to method, the course will examine some of the recent literature on the topic.
Prerequisite: Religion 224 and permission of the instructor. *Three credit hours.*

371
UTOPIAN RELIGION
R. TODRANK

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. *Three credit hours.*

372]
PHILOSOPHY OF RELIGION

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

373]
HISTORY OF MEDIEVAL
PHILOSOPHY

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

†[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 Zen 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.*

491, 492
SPECIAL TOPICS
INSTRUCTOR

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

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

Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 114 are conducted in 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 of taped materials in the language laboratory is a regular part of the class work. Class meets daily Monday through Friday. *Four credit hours.*

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.*

*131
SOVIET RUSSIAN LITERATURE
MRS. MURSIN

Representative works from 1917 to the present, exclusive of Pasternak and Solzhenitzyn, in English translation. *Three credit hours.*

32 PASTERNAK AND SOLZHENITZYN	The major works of two contemporary Soviet Nobel Prize winners, Boris Pasternak (1958) and Aleksandr Solzhenitzyn (1970), in English translation. <i>Three credit hours.</i>
33] DOSTOEVSKI	Dostoevski's major works in English translation. <i>Three credit hours.</i>
34] TOLSTOI	Some of Tolstoi's representative short stories, major novels, and philosophical and critical writings, in English translation. <i>Three credit hours.</i>
5, 226 ADVANCED RUSSIAN RS. MURSIN	Along with continued work on the language, the study and interpretation of significant works of Russian literature is introduced. <i>Prerequisite:</i> Russian 114 or three years of high-school Russian and appropriate score on the placement test. <i>Three credit hours.</i>
45, 246 READINGS OF EXPOSITORY PROSE R. KEMPERS	Designed to give the student a working knowledge of Russian as used for informational purposes and distinct from the language of <i>belles-lettres</i> . Extensive readings in the social and natural sciences; intensive translation of selected passages. <i>Prerequisite:</i> Russian 114 or permission of the instructor. <i>Three credit hours.</i>
21, 322 INTRODUCTION TO RUSSIAN LITERATURE RS. MURSIN	Selected works of some of the authors of the nineteenth century, with emphasis on the novel and theatre. <i>Prerequisite:</i> Russian 226 or permission of the instructor. <i>Three credit hours.</i>
41, 492 TOPICS IN RUSSIAN LITERATURE STAFF	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i>
193, 494 SEMINAR IN RUSSIAN LITERATURE RS. MURSIN	Topics which change each semester may cover an author, a genre, or a literary movement. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>

Sociology

- 112
INTERACTION PROCESS
ANALYSIS
MR. ROSENTHAL
- Theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concept 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
IR. 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
IR. 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.*

<p>*392 SOCIAL CHANGE INSTRUCTOR</p>	<p>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. <i>Prerequisite:</i> Sociology 221, 222. <i>Three credit hours.</i></p>
<p>393 COMPLEX SOCIAL ORGANIZATIONS MR. GEIB</p>	<p>Utilizing an historical perspective and sociological orientation, this course will examine the existing and empirical data and theoretical concepts dealing with the behavior of people in business and other organizations. <i>Prerequisite:</i> Sociology 221, 222. <i>Three credit hours.</i> <i>Note:</i> This course may be offered cooperatively with Administrative Science 413. A student may not receive credit for both Sociology 393 and Administrative Science 413.</p>
<p>*396 COLLECTIVE BEHAVIOR MR. GEIB</p>	<p>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. <i>Prerequisite:</i> Sociology 381. <i>Three credit hours.</i></p>
<p>401, 402 SOCIOLOGY SEMINAR MR. BIRGE</p>	<p>Major problems of sociology as a science. Much of the work is devoted to individual projects developed from group discussions. <i>Prerequisite:</i> Senior standing and permission of the instructor. <i>Three credit hours.</i></p>
<p>411 NORMATIVE SOCIAL THEORY MR. DOEL</p>	<p>Normative social theory with special emphasis upon such works as Plato's <i>Republic</i>, Owen's <i>A New View of Society</i>, and Bellamy's <i>Looking Backward</i>. <i>Prerequisite:</i> Sociology 221, 222. <i>Three credit hours.</i></p>
<p>412 HISTORY OF SOCIOLOGICAL THEORY MR. MORRIONE</p>	<p>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. <i>Prerequisite:</i> Sociology 221, 222. <i>Three credit hours.</i></p>
<p>416 SPECIAL TOPICS MR. ROSENTHAL</p>	<p>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. cultural</p>

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
AFF

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.*

INTERDEPARTMENTAL 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
ELEMENTARY SPANISH
AFF

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
AFF

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.*

125, 126
INTRODUCCION AL MUNDO
HISPANICO
AFF

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.*

-
- 127, 128
 WRITING WORKSHOP IN
 SPANISH
 STAFF
- 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
 MR. HOLLAND
- The more important members of the generation of 1898, with emphasis on Unamuno, Azorin, Baroja, Valle-Inclan, and Machado.
Prerequisite: Spanish 126. *Three credit hours.*
-
- *258
 SPANISH LITERATURE OF THE
 TWENTIETH CENTURY
 MR. CAUZ
- Outstanding prose and poetic works of the contemporary period with emphasis on living authors.
Prerequisite: Spanish 126. *Three credit hours.*
-
- 271
 PROTESTA Y VIOLENCIA
 MRS. DOEI.
- 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
 MR. HOLLAND
- The portrayal of the Indian and the Black in contemporary Latin American literature.
Prerequisite: Spanish 126. *Three credit hours.*
-
- 315
 LA ESPAÑA DE GALDOS
 MR. PÉREZ
- A panorama of nineteenth-century Spain seen through the novelistic documentation of Benito Pérez Galdos.
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, Garcia Marquez, Rulfo, Vargas Llosa.
Prerequisite: Spanish 126. *Three credit hours.*
-
- *351
 THE THEATRE OF THE GOLDEN
 AGE
 MR. CAUZ
- 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
 GE
 RS. DOEL

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.*

155]
 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
 TEACHING OF MODERN
 FOREIGN LANGUAGES
 R. BIRON

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.*

11-L
 LANGUAGE TEACHING
 TAFF

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

91, 492
 TOPICS IN SPANISH LITERATURE
 TAFF

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.*

93, 494
 SEMINAR IN SPANISH AND
 LATIN AMERICAN LITERATURE

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.

ARTS AND SCIENCES

Every year, Colby graduates enter many different graduate schools to work toward advanced degrees in art, music, history, classic 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.

LAW AND GOVERNMENT SERVICE

The committee on professional preparation for law and government service advises students preparing for careers in these areas. The pre-law student may major in 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.

DENTISTRY

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.

MEDICINE

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,

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.

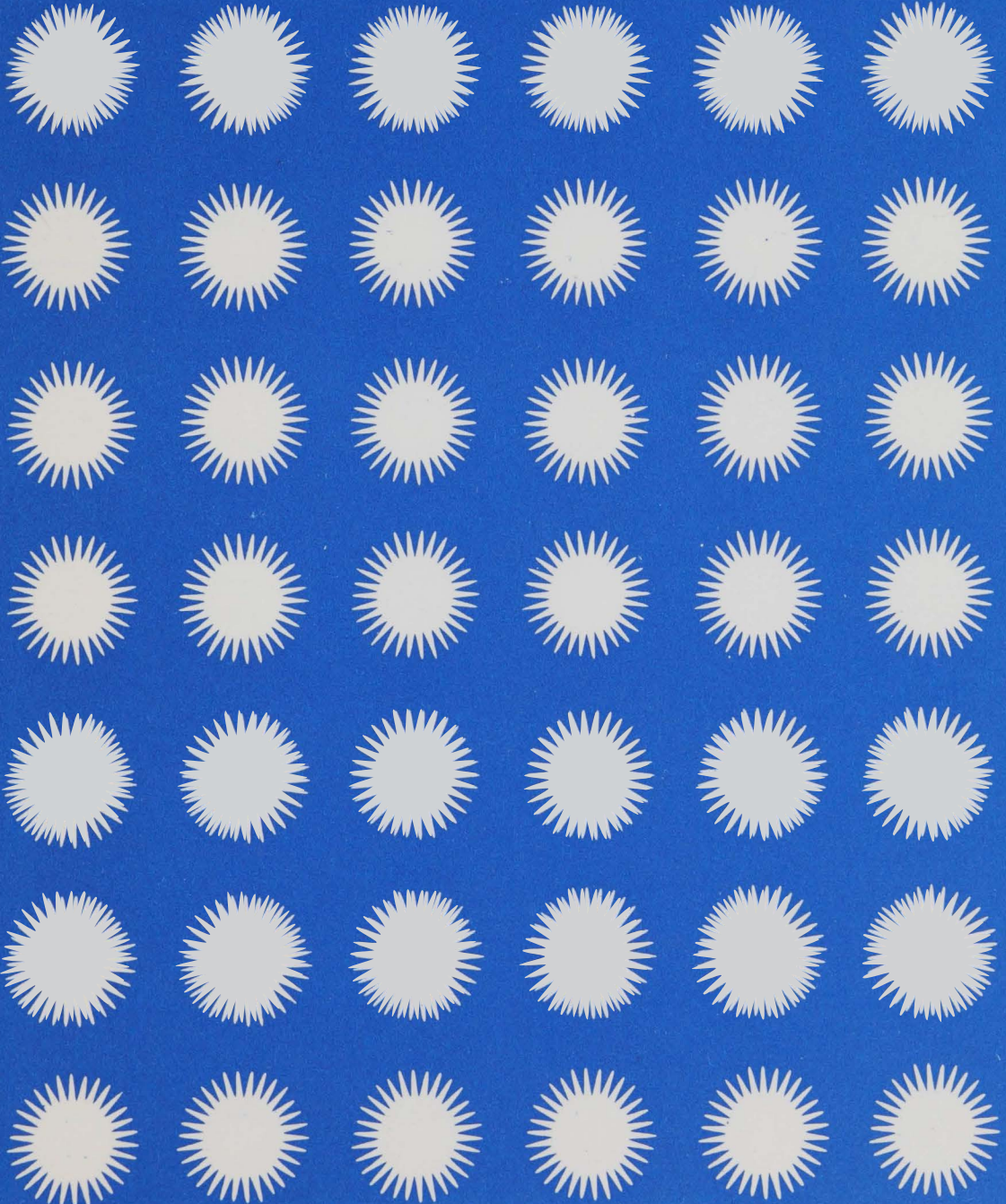
A fifth year of preparation at another institution will be required for those who want to defer professional education training, and for those who want to prepare for certification in preschool and elementary teaching, special education, guidance, administration, and special subjects such as art and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

BUSINESS

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.



III DIRECTORIES AND APPENDICES

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- COLLEGE CALENDAR, 1972-73, INSIDE BACK COVER

The Corporation

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	(AL. 1973)	ARTHUR TOTTEN THOMPSON, M.B.A., SC.D.	Boston, Massachusetts
	(AL. 1973)	SIGRID E. TOMPKINS, LL.B.	Portland, Maine

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

²Honorary life member.

	(1973)	ESTHER ZISKIND WELTMAN (MRS.), M.ED., LL.D.	<i>Cambridge, Massachusetts</i>
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Faculty 1971-72

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Associate Professor-Emeritus of Education

E. JANET MARCHANT, M.A.
Associate Professor-Emeritus of Physical Education

ERNEST CUMMINGS MARRINER, M.A., L.H.D.
Professor-Emeritus of English; Dean-Emeritus; College Historian

LEONARD WITHINGTON MAYO, B.A., S.SC.D.
Professor-Emeritus of Human Development

JOHN FRANKLIN MCCOY, M.A.
Professor-Emeritus of Modern Languages

EARLE ALTON MCKEEN, M.ED.
Associate Professor-Emeritus of Education

GEORGE THOMAS NICKERSON, M.A.
Dean-Emeritus of Men

LUELLA FREDERICKA NORWOOD, PH.D.
Professor-Emeritus of English

CLIFFORD HAZELDINE OSBORNE, B.A., D.D.
Professor-Emeritus of Religion; Chaplain-Emeritus

NINETTA MAY RUNNALS, M.A., LITT.D.
Professor-Emeritus of Education; Dean-Emeritus

FRANCES FENN SEAMAN (MRS.), B.MUS.
Dean-Emeritus of Students

NORMAN SWASEY SMITH, M.ED.
Associate Professor-Emeritus of Education

EVERETT FISK STRONG, B.A., M.A.
Professor-Emeritus of Modern Languages

LESTER FRANK WEEKS, M.A.
Professor-Emeritus of Chemistry

ACTIVE FACULTY

The active faculty is arranged alphabetically in rank. In parentheses are listed colleges from which earned degrees have been received.

- PROFESSORS DENNISON BANCROFT, PH.D. (Amherst, Harvard)
Professor of Physics
- ROBERT MARK BENBOW, PH.D.³ (University of Washington, Yale)
Roberts Professor of English Literature
- KINGSLEY HARLOW BIRGE, PH.D. (Dartmouth, Yale)
Professor of Sociology
- JEAN D. BUNDY, PH.D. (Washington State, Wisconsin)
Dana Professor of French Literature
- JAMES MORTON CARPENTER, PH.D. (Harvard)
Professor of Fine Arts
- RICHARD CARY, PH.D. (New York University, Cornell)
Professor of English; Curator of Rare Books and Manuscripts
- JOHN ALDEN CLARK, PH.D. (Amherst, Harvard)
Professor of Philosophy
- WILFRED JAMES COMBELLACK, PH.D.² (Colby, Boston University)
Professor of Mathematics
- ALICE PATTEE COMPARETTI (MRS.), PH.D.⁵ (Rockford, Cornell)
Professor of English
- ERMANNO F. COMPARETTI, PH.D. (Cornell)
Professor of Music
- CARL JOACHIM FRIEDRICH, PH.D.⁴ (Heidelberg)
Avalon Professor of Government
- JAMES MACKINNON GILLESPIE, PH.D. (Harvard)
Professor of Psychology
- KEMP FREDERICK GILLUM, PH.D. (Illinois, Wisconsin)
Professor of History
- HENRY HOLLAND, PH.D. (Maine, Harvard, Madrid)
Professor of Modern Languages

- CHARLES LESLIE HOWARD, M.A. (Oxford)
Taylor Professor of the Latin Language and Literature
- PAUL GERHARD JENSON, PH.D. (Luther, Minnesota)
Professor of Psychology; Dean of Faculty
- ERNEST PARKER JOHNSON, PH.D. (Springfield, Brown)
Dana Professor of Psychology
- RICHARD KNOWLTON KELLENBERGER, PH.D. (Oberlin, Princeton)
Professor of Modern Languages
- DONALDSON KOONS, PH.D. (Columbia)
Professor of Geology
- PAUL EWERS MACHEMER, PH.D. (Princeton, Pennsylvania)
Professor of Chemistry
- MARY HATCH MARSHALL, PH.D.⁴ (Vassar, Yale)
Avalon Professor of English
- ALBERT ANTHONY MAVRINAC, PH.D.³ (Pittsburgh, Harvard)
Professor of Government
- VISHWANATH SHRIDHAR NARAVANE, PH.D.⁴ (Allahabad)
Visiting Professor of Philosophy
- FRANCIS HOWARD PARKER, PH.D. (Evansville, Indiana, Harvard)
Dana Professor of Philosophy
- ROBERT WHITE PULLEN, PH.D. (Colby, Massachusetts Institute of Technology)
Professor of Economics; Treasurer
- HAROLD BRADFORD RAYMOND, PH.D. (Black Mountain, Harvard)
Professor of History
- PETER JOSEPH RÉ, M.A. (Yale, Columbia)
Professor of Music
- EVANS BURTON REID, PH.D. (McGill)
Merrill Professor of Chemistry
- ROBERT EVERETT REUMAN, PH.D.³ (Middlebury, Pennsylvania)
Professor of Philosophy
- ALLAN CHARLES SCOTT, PH.D.² (Clark, Pittsburgh, Columbia)
Dana Professor of Biology
- GORDON WINSLOW SMITH, M.A. (Boston University, Harvard)
Professor of Modern Languages
- ROBERT EDWARD LEE STRIDER II, PH.D. (Harvard)
Professor of English; President

JOHN HALE SUTHERLAND, PH.D. (Swarthmore, Pennsylvania)
Professor of English

ROBERT LEE TERRY, PH.D. (Earlham, Pennsylvania)
Professor of Biology

GUSTAVE HERMAN TODRANK, PH.D. (DePauw, Boston University)
Professor of Philosophy and Religion

GUENTER WEISSBERG, J.D., PH.D.² (New York University, Columbia
Law, Columbia)
Professor of Government

RALPH SAMUEL WILLIAMS, M.B.A. (Colby, New York University)
*Wadsworth Professor of Administrative Science; Administrative
Vice-President*

LUCILLE PINETTE ZUKOWSKI (MRS.), M.A. (Colby, Syracuse)
Professor of Mathematics

WALTER HENRY ZUKOWSKI, PH.D. (Clark)
Professor of Administrative Science

ASSOCIATE PROFESSORS JAMES FOSTER ARMSTRONG, PH.D. (Harvard)
Associate Professor of Music

CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh)
Associate Professor of History

ARCHILLE HENRI BIRON, M.A.³ (Clark, Paris, Middlebury)
Associate Professor of Modern Languages

MARJORIE DUFFY BITHER (MRS.), M.A. (Simmons, Columbia)
Associate Professor of Physical Education

PHILIP STEWART BITHER, M.A. (Colby, Harvard)
Associate Professor of Modern Languages

KENNETH POND BLAKE, M.A., M.S. (Brown, Boston University,
Simmons)
Associate Professor; Librarian

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

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

FRANCISCO ANTONIO CAUZ, M.A. (Villanova, Middlebury)
Associate Professor of Modern Languages

EILEEN MARY CURRAN, PH.D.² (Cornell, Cambridge, Cornell)
Associate Professor of English

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

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

JACK DONALD FONER, PH.D. (City College of New York, Columbia)
Associate Professor of History

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

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.³ (Harvard, Columbia, Yale)
*Associate Professor of Geology; Director of Financial Aid;
Coordinator of Government Supported Programs*

JAN STAFFORD HOGENDORN, PH.D.³ (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

YVONNE RICHMOND KNIGHT (MRS.), M.B.A. (Colby, Cornell)
Associate Professor of Administrative Science

DOROTHY MARIE KOONCE (MRS.), PH.D. (Cornell, Pennsylvania)
Associate Professor of Classics

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

WENDELL AUGUSTUS RAY, PH.D. (Bates, Harvard)

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Associate Professor of Classics

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ASSISTANT PROFESSORS 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)
Assistant Professor of Geology; Registrar

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Assistant Professor of Physical Education

DANE JOSEPH COX, M.A.¹ (Harpur, Cornell)
Assistant Professor of Economics

MICHAEL JOSEPH DE SISTO, JR., PH.D. (Maine, Tufts)
Assistant Professor of Psychology

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Assistant Professor of Modern Languages

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

DORIS LOYD DOWNING (MRS.), B.A. (Colby)
Assistant Professor; Associate Dean of Students

JAMES A. DUNLEVY, M.A. (Lehigh, Northwestern)
Assistant Professor of Economics

GEORGE SAUL ELISON, PH.D.³ (Michigan, Harvard)
Assistant Professor of History

CHARLES ANTHONY FERGUSON, PH.D.⁶ (Oberlin, Ohio State)
Assistant Professor of Modern Languages

LORE SCHEFTER FERGUSON (MRS.), PH.D.³ (Hartwick, Ohio State)
Assistant Professor of Modern Languages

GUY THEOPHILE FILOSOFF, PH.D. (Rollins, Middlebury, Rochester)
Assistant Professor of Modern Languages

BRUCE EDWARD FOWLES, PH.D. (Brown, California at Berkeley)
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FREDERICK JOHANN FUGLISTER, M.A.⁵ (Swarthmore, Harvard)
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Assistant Professor of Biology

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Assistant Professor of English

RICHARD LLOYD GREEN, B.S. (Boston University)
Assistant Professor of Physical Education

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Assistant Professor of Modern Languages

HOMER T. HAYSLETT, JR., M.S. (Bridgewater, Virginia Polytechnic Institute)
Assistant Professor of Mathematics

ADEL VERNA HEINRICH, M.S.M.³ (Flora Stone Mather, Union Theological Seminary)
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Assistant Professor of Physical Education

JOSEPH ANTHONY HUNT, PH.D. (St. Joseph's, Hawaii, New Mexico State)
Assistant Professor of English

EARL AUSTIN JUNGHANS, M.S.¹ (U. S. Naval Academy, Purdue)
Assistant Professor of Mathematics

ROBERT HURD KANY, PH.D. (Michigan, Pennsylvania State)
Assistant Professor of History; Administrative Assistant to the President

EDWIN JAMES KENNEY, JR., PH.D. (Hamilton, Cornell)
Assistant Professor of English

SUSAN MCILVAINE KENNEY (MRS.), PH.D.⁵ (Northwestern, Cornell)
Assistant Professor of English

HAROL ELEANOR KERKHAM (MRS.), M.A.³ (Pomona, Stanford)
Assistant Professor of Modern Languages

OMAR ELLSWORTH KNOX, M.A. (U. S. Military Academy, Michigan State, Bowdoin)
Assistant Professor of Mathematics

HOWARD LEE KOONCE, PH.D. (Dartmouth, Pennsylvania State)
Assistant Professor of English; Director of Center for Coordinated Studies

JOHN LAWRENCE LANDSMAN, M.B.A. (Miami, Amos Tuck)
Assistant Professor of Administrative Science

LEWIS FREDERICK LESTER, PH.D. (City University of New York, Connecticut)
Assistant Professor of Psychology

GEORGE DOUGLAS MAIER, PH.D. (Cornell College, Iowa State)
Assistant Professor of Chemistry

HANUMANT G. MANNUR, M.A. (Karnatak, Indiana)
Assistant Professor of Economics

HARRIETT MATTHEWS, M.F.A. (Sullins Junior, Georgia)
Assistant Professor of Art

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

CHARLES ABBOTT MEADER, M.F.A. (Dartmouth, Colorado)
Assistant Professor of Art

ROGER NATHAN METZ, PH.D. (Oberlin, Cornell)
Assistant Professor of Physics

JOHN S. MIZNER, PH.D. (Antioch, Pennsylvania)
Assistant Professor of English

THOMAS JACK MORRIONE, PH.D. (Colby, New Hampshire,
 Brigham Young)
Assistant Professor of Sociology

TATIANA MURSIN (MRS.), M.A. (Vassar, New York University)
Assistant Professor of Modern Languages

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

FRANCISCO R. PÉREZ, M.A. (Texas Western)
Assistant Professor of Modern Languages

ELIZABETH ELLEN PESTANA (MRS.), M.S.⁵ (Wisconsin)
Assistant Professor of Education and English

HAROLD RICHARD PESTANA, PH.D. (California, Iowa)
Assistant Professor of Geology

EUGENE PETERS, PH.D. (Bates, Harvard)
Assistant Professor of Philosophy

DOROTHY SWAN REUMAN (MRS.), M.A.⁵ (Wooster, Wisconsin)
Assistant Professor of Music

EDWARD DAVID ROCKSTEIN, PH.D. (Indiana, Princeton)
Assistant Professor of Modern Languages

SYDNEY HENRIETTA ROSEN, M.A. (Chicago)
Assistant Professor of Government

JON ROBIN RUSS, PH.D. (New Hampshire, Wisconsin)
Assistant Professor of English

JACK ALFRED SCHOLZ, M.ED. (Springfield)
Assistant Professor of Physical Education

WARD ERIC SHAW, M.S. (Hamilton, Simmons)
Assistant Professor; Assistant Librarian

DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas,
 Connecticut)
Assistant Professor of Mathematics

EARL HAROLD SMITH, B.A. (Maine)
Assistant Professor; Associate Dean of Students

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

ROLAND W. THORWALDSEN, M.A., M.DIV. (Monmouth, California and
Berkeley, Church Divinity)
Assistant Professor of Philosophy and Religion; Chaplain

PAUL DAVID WALKER, JR., M.B.A. (Stanford, Harvard)
Assistant Professor; Director of Special Programs

JANE FOWLER WYMAN (MRS.), PH.D. (Michigan, Stanford)
Assistant Professor of English

SIR TIBOR YUSTI, DIPLOMA WITH FIRST HONORS (Royal Conservatory
Antwerp, Belgium)
Visiting Assistant Professor of Music; Artist in Residence

GLENN DORIN Zohner, PH.D. (Brigham Young, Massachusetts)
Assistant Professor of Psychology

INSTRUCTORS MARC HADLEY ARNOLD, M.A. (University of Washington, John
Hopkins)
Instructor in English

JAN BLITS, M.A. (St. John's College, New School for Social
Research)
Instructor in Government

THEODORE MARTIN CRITCHFIELD, M.A. (Maryland, Indiana)
Instructor in History

ROBERT JOSEPH DOAN, M.A. (West Chester State, Pennsylvania
State)
Instructor in Modern Languages

MICHAEL LLOYD HODGES, M.ED. (Maine)
Instructor in Physical Education

CYNTHIA MAY KUETER, B.A.⁵ (Valparaiso)
Instructor in Modern Languages

THOMAS RICHMOND W. LONGSTAFF, B.A., B.D. (Maine, Bangor
Theological)
Instructor in Philosophy and Religion

LOUIS MAISEL II, PH.D. (Harvard, Columbia)

Instructor in Government

JUDITH YVONNE MANDEVILLE, A.B. (Washington University)

Instructor in Dance in the Department of Physical Education

STEPHEN ROY MARKS, PH.D. (Clark, Boston University)

Instructor in Sociology

MARGARET KOONS MILLER, B.A.⁵ (Wooster)

Instructor in Art

PAUL MARTIN SACKS, M.A. (Rochester, California at Los Angeles)

Instructor in Government

F. ALEXIS SCHULTEN, B.A. (Bowdoin)

Instructor in Physical Education

RICHARD LATHAM WHITMORE, JR., B.A. (Bowdoin)

Instructor in Physical Education

LECTURER SIDNEY WEYMOUTH FARR, M.A. (Colby, Maine)

Lecturer in Government; Director of Financial Aid and Career Counseling

FACULTY WITHOUT RANK JANET INGRAM FRANKENFIELD, M.L.S. (Pennsylvania, Drexel)

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.

³On leave, full year, 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.
- FACULTY ASSOCIATES Charles W. Bassett, Thomas W. Easton, William H. Gilbert, E. Parker Johnson, Edwin J. Kenney, Dorothy M. Koonce.
- FACULTY AFFILIATES Clifford J. Berschneider, Edward G. Bierhaus, Jr., Kingsley H. Birge, Theodore M. Critchfield, Robert J. Doan, Yeager Hudson, Colin E. MacKay, Edward R. Rockstein, John R. Sweney.

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 chairman.

- 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. 1), Hudson (replacing Scott Sem. II), Curran (73, Sem. 1), 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 Machermer, Burke, Hayslett, Kempers, Pestana, Winkler; 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).
- CAMPUS 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. Compartmenti, 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 (73), 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, Combella, 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), Landsman (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. Alfond, Gawthrop, Swardlick).
- FOREIGN STUDIES AND STUDENT EXCHANGE** Professors Kellenberger, Curran (Sem. I), Bierhaus (Sem. II), Filsof, 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, Rosenthal; 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 Pérez; two students (Miss Muzzy; Mr. Thompson).
- SPECIAL PROGRAMS** Professors Geib, Kueter, Lester, Raymond, Small; Dean Jenson Director of Special Programs, Professor Walker; Coordinator of 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 Berschneider, 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.

Administrative Staff 1971-72

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Robert Edward Lee Strider II, PH.D., LL.D.,
HH.D., L.H.D., D.S. in B.A., D.ED.

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Roland W. Thorwaldsen, M.A., M.DIV.

DIRECTOR OF PUBLICATIONS

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LIBRARIAN

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CURATOR OF RARE BOOKS AND MANUSCRIPTS

Richard Cary, PH.D.

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Hugh J. Gourley III, B.A.

DIRECTOR OF FINANCIAL PLANNING

Ober C. Vaughan

DIRECTOR OF ANNUAL GIVING PROGRAM

Frank Platten Stephenson, B.A.

DIRECTOR OF THE COLLEGE CALENDAR

Elizabeth S. Kiralis (Mrs.), B.S.

DIRECTOR OF STUDENT ACTIVITIES

John R. Zacamy, Jr., B.A.

DIRECTOR OF NEWS BUREAU

Irving B. Faunce, B.A.

PLANT ENGINEER

H. Stanley Palmer, S.B.

¹Successor to Robert E. Wilson as of February 1,
1972.

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Susan J. Bannerman

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DIRECTOR OF HEALTH SERVICES

Carl E. Nelson, M.ED.

Patricia Bean

Assistant Secretary, Admissions Office

DIRECTOR OF FOOD SERVICE

Paul O'Connor

Fabienne Berard (Mrs.)

Secretary, English

DIRECTRESS OF RUNNALS UNION

Betty Hill (Mrs.)

M. Jean Bird (Mrs.), B.A.

Acquisitions Assistant, Library

HISTORIAN

Ernest Cummings Marriner, L.H.D.

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Secretary, Dean of Students' Office

ACTING MANAGER OF THE BOOKSTORE

Richard H. Leavitt, B.A.

Nancy Carey (Mrs.)

Secretary, Assistant to the President

MANAGER OF SUPPLY AND MIMEOGRAPH SERVICE

Pauline L. O'Connell (Mrs.)

Priscilla Carter

Secretary, Development Council

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Clifford J. Berschneider, M.A.

Assistant College Marshal

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*Secretary, Aerospace Studies and Averill
Faculty*

Mabel Lancaster
Addressograph

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Hazel Longley (Mrs.)
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Secretary, Lovejoy Faculty

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S. Carleen Nelson (Mrs.)
Secretary to the Dean of Admissions

Barbara Nowland (Mrs.)
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Pauline C. Otis (Mrs.)
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Claire Paron (Mrs.)
Cashier, Treasurer's Office

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Madeline B. Reid (Mrs.)
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Secretary, Chaplain's Office

Annette Reynolds (Mrs.)
Clerk, Bookstore

Earla B. Robertson (Mrs.)
Secretary to the Librarian

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Secretary, Alumni Office

Ellen F. St. Peter (Mrs.)
Clerk, Treasurer's Office

Hilda F. Seeley (Mrs.)
Secretary to the Director of Financial Aid

Judith Strickland (Mrs.)
Assistant Secretary, Admissions Office

Zella W. Taylor (Mrs.)
Clerk, Treasurer's Office

Frances E. Thayer, B.A.
Assistant to the Dean of Students

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Secretary, Center for Coordinated Studies

Alice Trask (Mrs.)
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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Clarence E. Dore, M.D.
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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Mr. and Mrs. Sylvain Cassol
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

	<i>Total</i>	<i>Men</i>	<i>Women</i>		<i>Total</i>	<i>Men</i>	<i>Women</i>
ALL AREAS <i>Grand Total</i>	1538	843	695	Pennsylvania	44	24	20
NEW ENGLAND	974	554	420	Puerto Rico	1	1	0
Connecticut	149	81	68	South Carolina	1	0	1
Maine	242	133	109	Tennessee	1	1	0
Massachusetts	471	289	182	Texas	6	3	3
New Hampshire	48	18	30	Utah	1	1	0
Rhode Island	42	22	20	Virginia	36	12	24
Vermont	22	11	11	Virgin Islands	2	0	2
				Washington	6	4	2
				West Virginia	3	0	3
				Wisconsin	5	2	3
OUTSIDE NEW ENGLAND	522	261	261				
Alabama	2	1	1	FOREIGN COUNTRIES	42	28	14
Arizona	1	1	0	Australia	1	1	0
California	12	5	7	Bahamas	1	1*	0
Colorado	1	1	0	Bolivia	2	1	1
Delaware	6	0	6	Brazil	1	1	0
District of Columbia	7	4	3	Canada	12	8*	4*
Florida	11	6	5	Ethiopia	2	2	0
Georgia	3	1	2	France	2	1*	1*
Hawaii	4	2	2	Germany	2	1*	1*
Illinois	21	12	9	Hong Kong	2	1	1
Indiana	1	0	1	India	1	0	1*
Iowa	2	0	2	Japan	3	2	1
Kansas	1	1	0	Jordan	1	1	0
Kentucky	1	0	1	Kenya	1	1	0
Maryland	29	11	18	Korea	1	1	0
Michigan	8	4	4	Malaysia	3	2	1
Minnesota	14	8	6	Philippines	1	1*	0
Missouri	4	1	3	Senegal	1	1*	0
Montana	1	0	1	Turkey	3	1	2
Nebraska	1	0	1	Venezuela	2	1*	1
New Jersey	106	59	47				
New York	162	88	74				
North Carolina	2	0	2				
Ohio	16	8	8				

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 SAN-

TILLO '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, ELLEN ELIZABETH JONES '72, REBECCA PAULINE ROUTH '72.

Spanish Book Prizes.

CHERYL ALISON FRASER '74, NORMAN JAMES RATTEY, 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 KARAIAN '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's 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

WEDNESDAY, 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.*
 Robert Louis Allen Jr., *Seekonk, Mass.*
 Joan Alway, *Portola Valley, Calif.*
 Joyce Madeleine Amero, *East Walpole, Mass.*
 Leslie Jane Anderson, *New London, Conn.*
 William Wheeler Anderson Jr., *Concord, Mass.*
 William Wilton Anthony III, *South Hadley, Mass.*
 Frank Olusegun Olatunde Olukayode Apantaku,
Apapa, Nigeria
 Deborah Jane Asbeck, *Valencia, Venezuela*
 Jana Cartwright Baldwin, *Fair Lawn, N. J.*
 Trice Rowell Barnes, *Needham, Mass.*
 Edward Gregory Barry, *Marblehead, Mass.*
 Heather 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*
 Teresa 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 Brewster, *Oakland, Me.*
 Richard Taylor Brindle, *Haverhill, Mass.*
 Robert Paul Britton, *Torrington, Conn.*
 Mark Alden Brower, *Grand Lake Stream, Me.*
 Ann L. Bryant, *Worcester, Mass.*
 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.*
 Stephen Arthur Cain, *Newton Centre, Mass.*
 Dennis Scott Cameron, *Charlotte, N. C.*
 Mary Jean Capers, *Weston, Mass.*
 Robert Samuel Capers III, *Medfield, Mass.*
 Grace Rose Cappannari, *Plymouth, Mass.*
 Karen Lillian Carlin, *Waymart, Pa.*
 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.*
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 Douglas Clarke Durham, *Williamsburg, 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.*
 Robert Chapman Ewell, *Rowley, Mass.*
 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, *Newcastle, N. H.*
 Mark Steven Frisch, *Yonkers, N. Y.*
 Thomas Emanuel Gallant, *South Paris, Me.*
 Michael John Gareau, *Gilbertville, Mass.*
 Sharon Beth Gass, *Bangor, Me.*
 Nancy Holm Gaston, *Manhasset, N. Y.*
 Jacqueline Elizabeth Getchell, *Marshfield, Mass.*
 John Lory Ghertner, *Nashville, Tenn.*
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 David Michael Glass, *Flushing, N. Y.*
 William Joseph Glennon, *Wellesley, Mass.*
 Sara Orton Glickman, *Oakland, Me.*
 Joanne Beth Gordon, *Roslyn Heights, N. Y.*
 Robert Gordon, *Lee, Mass.*
 Nancy Ruth Gottlund, *Kutztown, Pa.*
 Barbara Ann Gray, *Cleveland, Ohio*
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 Sterling Andrew Green, *Washington, D. C.*
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 Hanria Ruth Halpern, *Worcester, Mass.*
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 James Kimball Hawkins, *Walpole, Mass.*
 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 Effinger Hladky, *Ridgewood, N. J.*
 Karen Leeds Hoerner, *Ridgefield, Conn.*
 Florence Estelle Holland, *Brookline, Mass.*
 John Thomas Hopkins, *Concord, Mass.*
 Nancy Dorothy Howatt, *Holden, Mass.*
 Nancy Marie Howe, *Andover, Mass.*
 Bruce Little Hubbard, *Seekonk, Mass.*
 Marguerite Barroll Hunsiker, *Pittsburgh, Pa.*
 Sandra Hutcheson, *Needham, Mass.*
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 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 Fairfield, Vt.*
 William Scott Lawhorne, *Moynan, Pa.*
 Jerome Frederic Layman, *Wellesley, Mass.*
 Meryl Susan LeBoff, *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.*
 Richard Warren Lindequist, *Milton, Mass.*
 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.*
 Jeanne Emily Miller, *Worcester, Mass.*
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 Takaharu Nakano, *Kyoto, Japan*
 Nicholas David Nash, *Northport, N. Y.*
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 Deborah Elizabeth Nelson, *Old Saybrook, Conn.*
 Mark Newman, *Chelsea, Mass.*
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 Sherry Ann Phipps, *South Windsor, Conn.*
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 Philip Ernest Pinette, *Fort Kent, Me.*
 Stanley Stubbs Plummer Jr., *Hallowell, Me.*
 Nicholas Holland Preston, *Watertown, Conn.*
 Michael Paul Prisløe, Jr., *Guilford, Conn.*
 Dennis Robert Pruneau, *Lewiston, Me.*
 Cindy Quinn, *Collegeville, Pa.*
 Sandra Jane Rau, *Windsor Locks, Conn.*
 Jonathan Matthew Ray, *Gorham, Me.*
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 Douglas Alan Reese, *Earlville, N. Y.*
 John Field Reichardt, *Spring Lake, Mich.*
 Douglas Edward Reinhardt, *Palisades Park, N. J.*
 Jay Robin Reiter, *Wheeling, W. Va.*
 Deborah Curtis Richardson, *South Berwick, Me.*
 Molly Jennings Richardson, *Bethany, Conn.*
 Timothy John Richardson, *Bethany, Conn.*
 Charles Henry Ritch, *Duxbury, Mass.*
 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.*
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 William Frederick Schirmer III, *Wellesley Hills, Mass.*
 Eugene Howard Schultz, *Uncasville, Conn.*
 Roderick Anthony Schultz, *Niagara Falls, N. Y.*
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- Deborah Constance Shallcross, *Oklahoma City, Okla.*
 Margaret Ellen Shehan, *Georgetown, Del.*
 Roger Alan Shell, *Herricks, N. Y.*
 Richard Cook Shippee, *Wickford, R. I.*
 W. David Shuford, *Andover, Mass.*
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 Arnold Sills, *New Hyde Park, N. Y.*
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 Sandra Jean Smith, *Derry, N. H.*
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 Jeffery William Stanton, *South Portland, Me.*
 William Glenn Stevenson, *Attleboro, Mass.*
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 Lucinda Gay Stiles, *Hampton Falls, N. H.*
 Katherine Jane Stoddard, *Easton, Pa.*
 Jon Irving Stone, *Hull, Mass.*
 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 Thibreau, *Milbridge, Me.*
 Cheryl Ann Thomas, *Canton, Mass.*
 Scott Penn Thomas, *Fitchburg, Mass.*
 Robert Read Thrun, *Croton-on-Hudson, N. Y.*
 Faith Phillips Tiberio, *Sherborn, Mass.*
 Larimore Oscar Trippet II, *Fullerton, Calif.*
 Susan Lee Trippet, *Fullerton, Calif.*
 Patricia Jayne Trow, *Nashua, N. H.*
 Alan David Tuttmann, *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*
 Linda Grace Wallace, *Hingham, Mass.*
 Barbara Ann Ward, *Norwood, Mass.*
 Mary Jewett Ware, *Rockland, Me.*
 Joanne Warshaver, *Schenectady, N. Y.*
 David Washington, *Hallandale, Fla.*
 Rosalind Myrna Wasserman, *Hollis Hills, N. Y.*
 Barbara Louise Waters, *Sherborn, Mass.*
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 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.*
 William Burrill Williamson II, *Andover, Mass.*
 Andrew Graham Wilson, *North Vassalboro, Me.*
 Robert Marden Wilson, *Lowell, Mass.*
 Kathryn Ann Winslow, *East Greenwich, R. I.*
 Anne Norton Winter, *Kingfield, Me.*
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 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 McKernan, *Wilder, Vt.*
 Peter James Simmons, *Franklin, N. H.*
 Steven Theodore Steege, *Wethersfield, Conn.*
 Nathan Van Etten Woodruff, *Hartford, Conn.*
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 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*Richard Joseph Waddington, *Narberth, Pa.**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 Sugerma, *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*
Richard H. Howick, *Somerville, Mass.*
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. Rehwooldt, Jr., *Miami, Fla.*
Lorraine Lida Stubbs, *Unity, Me.*
Henry S. Taylor, *Albuquerque, N. Mex.*
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

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Nancy Holm Gaston
Judith Sue Kenoyer
Audrey Gertrude Rushton
Philip Saul Singer

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Timothy Stephen Carey
Craig Gordon Lorimer
Laureen Marie Ramonas
Christopher Brian Sample

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Paulette Louise Archambault

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Carole Josephine LaRose
Gay Cameron Quimby

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Mary Margaret Boulos
Sally Jean Cole
Margaret Macy DeLong
Kendall Peter Didsbury
Jeffrey Thomas Edwards
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
Margaret Frances Wiehl
Anne Norton Winter
Cemal Yalinpala

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William Charles Earnshaw
Anne Margaret Emerson
Deirdre May Fitz-Gerald
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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
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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 Pinciario
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 '63)
 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)
 3316 Woodview Drive
Long Beach 90803
 Mrs. William Loveday
 (Barbara Brown '68)
 142 Corona Avenue
Los Altos 94022
 Mrs. Lawrence W. Carr
 (Janice Rideout '60)
 24285 Summerhill
San Jose 95117
 Mr. Karl B. Ostendorf '66
 1120 Ranchero Way #11
Santa Cruz 95060
 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
 500 South Concepcion
- COLORADO**
Denver
 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)
 6838 South Elizabeth Street
- CONNECTICUT**
Bloomfield 06002
 Mr. Clayton W. Johnson '25
 Apartment 3, 14 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 06588
 Mrs. James C. Hummel
 (Jean Smith '59)
 White Oak
Unionville 06085
 Mrs. Gerard Haviland
 (Regina Foley '61)
 23 Red Coat Lane
West Hartford 06107
 Mr. Norman P. Lee '58
 6 Paxton Road
 Mr. Robert Roth '51
 Mrs. Robert Roth
 (Helen Palen '51)
 96 Van Buren Avenue
Weston 06880
 Mr. George M. Cain '66
 88 Lyons Plains Road
Willimantic 06226
 Mr. Thomas Callaghan '23
 201 Lewiston Avenue
Wilton 06897
 Mr. Robert E. Nielson '59
 26 Woodchuck Lane
- FLORIDA**
Boca Raton 33432
 Mr. William D. Hood '61
 P.O. Box 974
Jacksonville 32217
 Dr. Carl E. Reed, Headmaster '35
 The Bolles School
 7400 San Jose Boulevard

GEORGIA

Chamblee 30341

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University of Chicago

Glen Ellyn 60137

Mr. Robert G. Hartman '60
23W224 Cambridge Court

Lake Forest 60045

Mr. Lawrence K. Pugh '50
1750 Bowling Green

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East Drive

Richmond 47374

Prof. Claude Stinneford '26
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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

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Mr. George C. Spiegel
(Betty Ann Royal '42)
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Laurel 20810

Miss Judith Jones '66

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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

Mr. Stephen Gentle
(Mary Ballantyne '62)
Box 331

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Mr. George H. Lebherz, Jr. '52
61 Miami Avenue

Fitchburg 01420

Mr. Richard Fields '61
Renault International, Ltd.
380 River Street

Florence 01060

Mrs. Kiernan J. Murphy
(Carol MacIver '55)
90 High Street

Great Barrington 01230

Mr. Robert E. Brolli '59
Mrs. Robert E. Brolli
(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. McEldowney
(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

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Ford Marketing Corporation
3000 Schaefer Road*Franklin 48025*

Mrs. Arthur Schneider

(Judith Mayer '53)

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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Washington University
660 South Euclid Avenue

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Lincoln 68520

Mrs. Ann M. Birky

(Ann Marie Eisentrager '61)

1915 South 77 Street

NEW HAMPSHIRE

East Rochester 03867

Mr. Ralph W. Hilton '44

53 Main Street

Hampstead 03841

Mr. Bruce MacDonald '59

Hilltop Lane

Haverill 03765

Mr. A. Frank Stiegler '28

Route 10

Laconia 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)

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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

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Mr. Francis J. Silver '51

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68 Sanford Street 14214

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Mr. Patterson Small '47

101 Wyatt Road

Kings Park, L. I. 11754

Mr. William C. Droll '60

595 East Northport Road

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Miss Helen Strauss '45

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(Beryl Baldwin '53)

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(Madelyn Wechsler '53)

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Mr. Henry K. Wingate '61

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Miss Charlotte Killam '67

Ranger Road

Syosset, L. I. 11791

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Mrs. David S. McKeith

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Westbury, L. I. 11590

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West Sand Lake 12196

Mr. Kenneth Van Praag '55

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Cleveland

Miss Dorothy J. Nyman '54

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Mr. Jeffrey Silverstein '70

12010 Paul Avenue 44106

Columbus 43209

Mr. John Reisman '55

46 North Roosevelt Avenue

Mr. Frederick W. Ziegler '52

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Mrs. Thomas McK. Thomas

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Cumberland 02864

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Mrs. Norval E. Garnett

(Norma Bergquist '52)

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41 Fiume Street

Saunderstown 02874

Mr. Courtney Davis '60

Box 63

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Mr. Alden E. Wagner '44

3812 Gillon Avenue 75207

Houston 77042

Mr. Lewis Krinsky '65

11015 Olympia

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Essex Junction 05452

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Mrs. Michael D. Flynn

(Joyce Dignam '62)

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Westminster Station 05159

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Mrs. John C. Parsons II

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(Colette Piquerez '57)

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(Karen Jaffe '65)

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Miss Rosemarie Carbino '62

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Mr. Bruce Davey '65

Mrs. Bruce Davey

(Margaret Chandler '65)

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Miss Judith deLuce

Apt. 305

501 North Henry Street 53703

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College Calendar 1972-73

FIRST SEMESTER

Friday, September 8	Freshman program begins
Monday, September 11	Upperclass registration
Tuesday, September 12	First classes
Friday, October 6 <i>through</i> Sunday, October 8	Upperclass Parents Weekend
Friday, October 20 <i>through</i> Sunday, October 22	Freshmen Parents Weekend (Classes omitted Friday)
Saturday, October 28	Homecoming
Tuesday, November 21, 5:00 P.M. to Monday, November 27, 8:00 A.M.	Thanksgiving recess
Friday, December 8	Last classes of first semester
Tuesday, December 12 <i>through</i> Monday, December 18	Examinations
Tuesday, December 19	Make-up examinations
Wednesday, January 3 <i>through</i> Thursday, February 1	January Program

SECOND SEMESTER

Monday, February 5	Registration
Tuesday, February 6	First classes
Friday, March 23, 5:00 P.M. to Monday, April 2, 8:00 A.M.	Spring vacation
Friday, May 4 <i>through</i> Thursday, May 17	Reading period for 300 & 400 courses
Monday, May 7 <i>through</i> Friday, May 11	Spring registration
Friday, May 18	Last classes for 100 & 200 courses
Monday, May 21 <i>through</i> Wednesday, May 30	Final examinations
Sunday, June 3	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.

1972

1973

1974

S M T W T F S

JULY

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
27	28	29	30	31			

SEPTEMBER

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
27	28	29	30	31			

OCTOBER

1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	31					

NOVEMBER

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
27	28	29	30				

DECEMBER

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
27	28	29	30	31			

S M T W T F S

JANUARY

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
27	28	29	30	31			

FEBRUARY

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
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MARCH

						1	2
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11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
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APRIL

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MAY

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JUNE

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S M T W T F S

JULY

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22	23	24	25	26	27	28	
29	30	31					

AUGUST

						1	2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26
27	28	29	30	31			

SEPTEMBER

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19	20	21	22	23	24	25	26
27	28	29	30	31			

OCTOBER

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21	22	23	24	25	26	27	
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NOVEMBER

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27	28	29	30				

DECEMBER

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S M T W T F S

JANUARY

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FEBRUARY

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27	28	29	30				

MARCH

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APRIL

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21	22	23	24	25	26	27	
28	29	30					

MAY

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JUNE

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