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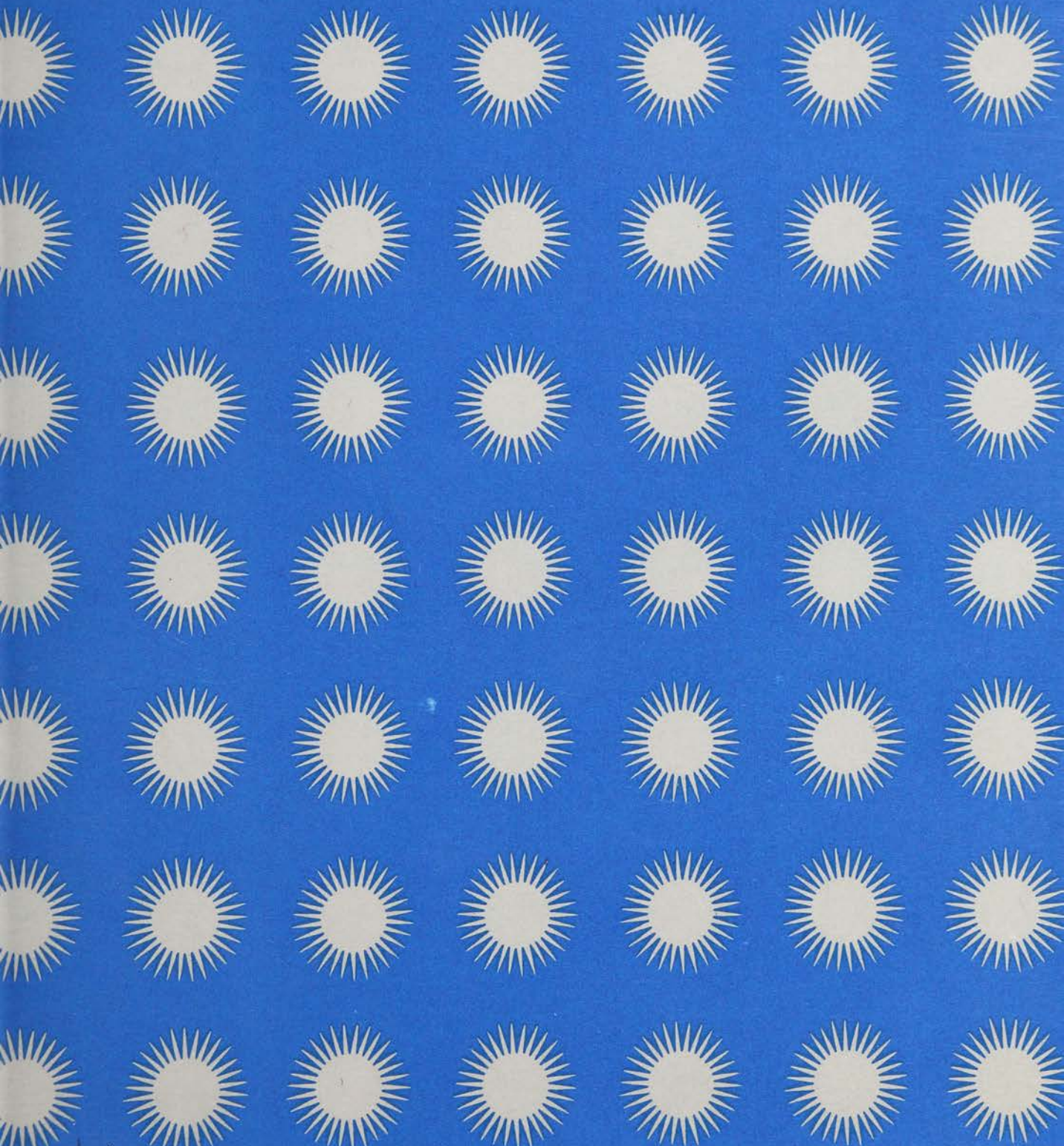
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COLBY COLLEGE BULLETIN

Catalogue Issue May 1974



4/75

COLBY COLLEGE BULLETIN

Annual Catalogue Issue, May 1974

Colby

10

1974/75

WATERVILLE, MAINE

Inquiries to the college should be directed as follows:

ACADEMIC COUNSELING	OFFICE OF THE DEAN OF STUDENTS
ADMISSION	HARRY R. CARROLL, <i>Dean of Admissions</i>
ADULT EDUCATION AND SUMMER PROGRAMS	ROBERT H. KANY, <i>Director of Special Programs</i>
BUSINESS MATTERS	DANE J. COX, <i>Treasurer</i>
CENTER FOR COORDINATED STUDIES	HOWARD L. KOONCE, <i>Acting Director</i>
HEALTH AND MEDICAL CARE	CARL E. NELSON, <i>Director of Health Services</i>
HOUSING	OFFICE OF THE DEAN OF STUDENTS
JANUARY PROGRAM	ROBERT H. KANY, <i>Director of Special Programs</i>
RECORDS AND TRANSCRIPTS	GEORGE L. COLEMAN II, <i>Registrar</i>
SCHOLARSHIPS, EMPLOY- MENT, AND PLACEMENT	SIDNEY W. FARR, <i>Director of Financial Aid and Career Counseling</i>

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

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

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.

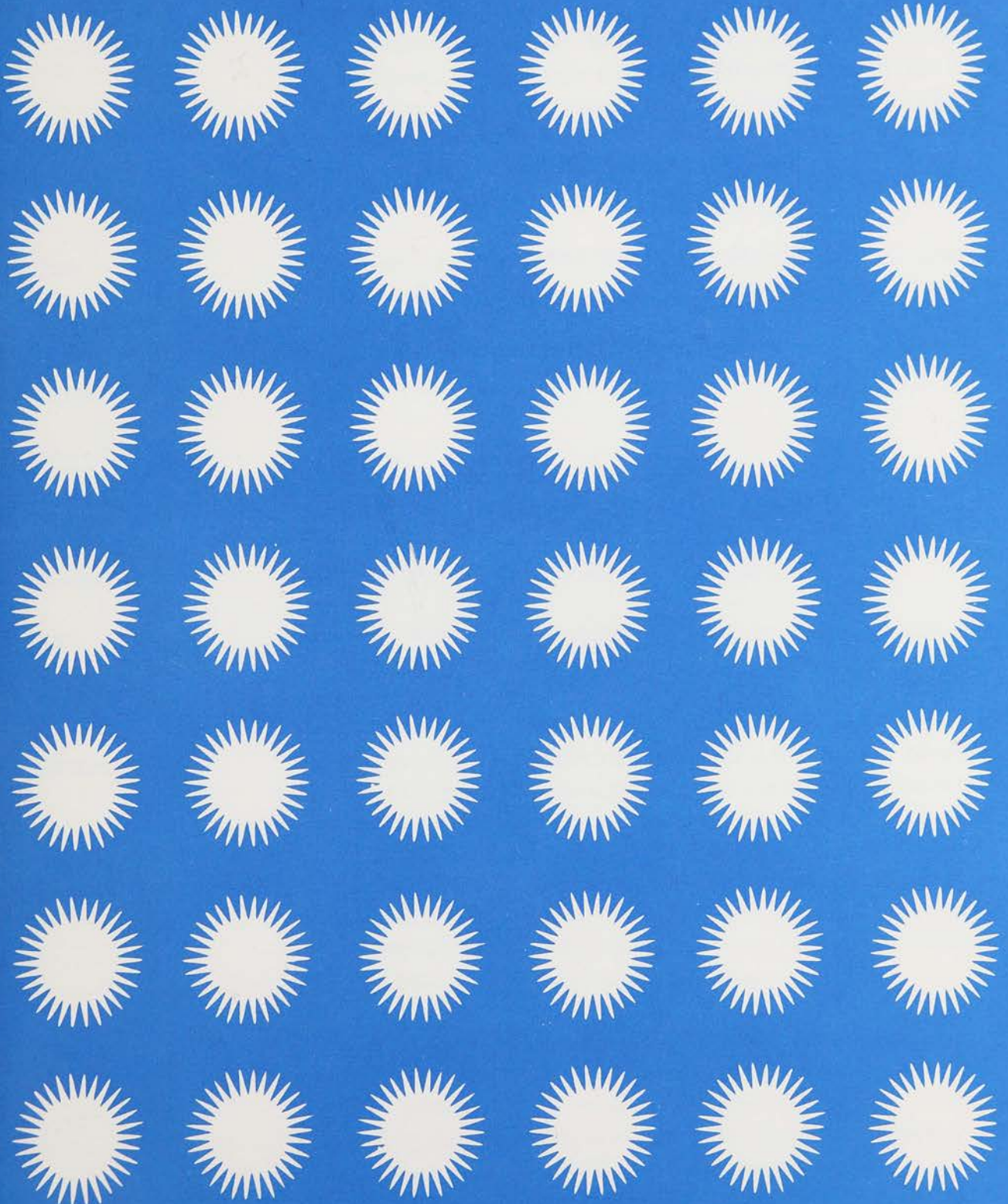
SERIES 73

NUMBER 3

MAY 1974

The COLBY COLLEGE BULLETIN is published nine times yearly: in February, March, twice in May, June, twice in September, November, and December.

Entered as second-class matter at the Post Office at Waterville, Maine, under the Act of August 24, 1912. Acceptance for mailing at special rates of postage provided for in Section 1103, Act of October 3, 1917, authorized March 20, 1919.



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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	1,500.
FACULTY	134 full and part time.
ENDOWMENT	\$27,648,440 (market value as of June 30, 1973).
LIBRARY	325,000 volumes and 17,000 microtexts; 1,000 current subscriptions to periodicals.
ACCREDITATION AND MEMBERSHIPS	Accredited by the New England Association of Schools and Colleges and the American Chemical Association. Member of the College Entrance Examination Board, the Association of American Colleges, the American Council on Education, and The Research Institute of the Gulf of Maine. Colby is a corporate member of the American Association of University Women and has a campus chapter of the American Association of University Professors. The Colby chapter of Phi Beta Kappa was founded in 1895.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded wood-pulp products, shirts, plastics. Bus service: Greyhound Lines. Airport served by Air New England. On U.S. Interstate Highway 95, connecting with Maine Turnpike at Augusta.

Colby Yesterday and Today

HISTORY OF COLBY COLLEGE

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

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

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

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

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

Colby first admitted women in 1871, when Mary Low was the lone female student. By 1890 the number had so increased that President Albion Woodbury Small proposed, and the trustees adopted, a system of coordination, provid-

ing for men's and women's divisions with separate classes. In time coordination changed to coeducation, and Colby is now officially a coeducational college.

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

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

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

The growth of Colby since the transfer to Mayflower Hill has been striking. On 900 acres there are now thirty-nine 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 134. Endowment has increased from three million to twenty-eight million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

In 1963 Colby College observed its 150th anniversary with a series of events emphasizing the college's heritage and its responsibility for the future. That academic year was a milestone, but no event had more significance for the college than its selection by the Ford Foundation for development as a "regional center of excellence." Colby received in June 1962 a challenge grant of \$1.8 million in the foundation's Special Program in Education, which was successfully matched on a two-to-one basis in three years.

Officials of the Ford Foundation chose a select number of liberal arts colleges to be included in the program "because of the importance of the 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 aca-

demic 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 divinity, law, and medical schools, and graduate schools of arts and sciences, business, education, and engineering.

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

The Campus

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

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

At the center of the campus is Miller Library, described on page 12.

The Keyes and Life Sciences buildings provide facilities for science programs, with special collections, a seismograph, reference libraries, laboratories, and conference rooms. The Webster Chester Teaching Museum contains collections of birds, shells, mammalian skulls, and various invertebrates and plants.

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

Administration offices are housed in the Eustis Building.

The Bixler Art and Music Center has classrooms, studios, an art and music library, auditorium, rehearsal hall, and practice and listening rooms. The center was expanded in 1973 with the opening of a new Museum of Art and the Lenk Building, housing studios for painting and design as well as workshops for wood and metal sculpture. Emphasis in the college's permanent collection is clearly in the American field, but the British Isles and Europe are represented by paintings, sculpture, prints, and drawings.

Colby is a residential college where students are expected to live on campus. Classes are distributed equally through all eighteen dormitories, some of which are coeducational (men and women on separate corridors). In addition to these dormitories, there are eight fraternity houses on campus. In special circumstances, some students have the option of living in Waterville. There are four coeducational

dining halls as well as two student unions. Roberts Union houses the Sherman M. Perry Infirmary, the campus radio station WMHB-FM, crafts rooms, lounges, and the Seaverns Bookstore. The Ninetta M. Runnals Union contains lounges, offices for student organizations, a gymnasium with stage for dramatics and lectures, and a student-operated Coffee House.

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

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

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

Part of the woodland surrounding the campus has been set aside as a wildlife sanctuary, The Perkins Arboretum and Bird Sanctuary, and includes 128 acres.

In the Belgrade Lakes area near Waterville the college owns the Colby-Marston Preserve, a thirty-four-acre tract containing a kettle-hole bog. The preserve, which is considered a classic example of a northern sphagnum bog, has been classified a Registered Natural Landmark by the United States National Park Service. It is used for teaching and research in the fields of biology, ecology, and geology.

The Library

The Miller Library, focal point of the campus, furnishes printed and audiovisual materials for assigned and recreational reading, reference, research, and independent study. Reading rooms and individual carrels provide study areas for more than a 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 325,000 volumes. The microfilm collection is extensive, and the library has subscriptions to more than 1,000 journals. The federal government supplies many of its publications, and a regional document library provides easy access to other government publications. The library is a member of the New England Library Information Network and is affiliated with the Health Services Library Cooperative of Maine.

Special collections of first editions and manuscripts in the Colby library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the famous Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy collection, also in the room, is the most extensive in this country. Other authors represented in the Robinson Room include E. A. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather, John Masefield, William Dean Howells, and Thomas Mann. The John and Catherine Healy Memorial Room contains the James Augustine Healy Collection of Modern Irish Literature. This includes numerous inscribed copies, manuscripts, and holograph letters of William Butler Yeats, Sean O'Casey, James Joyce, George Bernard Shaw, and many others.

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

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

The Academic Program

DIVISIONS OF INSTRUCTION

The courses in the curriculum are classified under four divisions. In the Division of Humanities are 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 astronomy, biology, chemistry, geology, mathematics, and physics. The Division of Physical Education and Athletics, besides offering courses, administers the intercollegiate athletic and intramural sports program.

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

THE STUDENT'S PROGRAM

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

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

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

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

his adviser, noting carefully the recommendations and requirements of areas in which he might later wish to major.

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 fifteen credits may be earned in (1) conventionally graded courses, (2) courses graded on a pass/fail basis, or (3) independent, not regularly scheduled, programs. For students who entered Colby prior to the fall of 1972: a minimum of 105 credit hours and eight semesters of residence.

QUALITY A minimum of 210 quality points in 105 credit hours earned in conventionally graded academic courses. For each credit hour, a mark of *A* entitles the student to four points, a mark of *B* to three points, a mark of *C* to two points, and a mark of *D* to one point. No points are given for marks below *D*. Two points are awarded for each hour of *Cr.* in specifically designated nongraded courses.

- DISTRIBUTION REQUIREMENTS** I ALL COLLEGE REQUIREMENTS
- A. *English Composition and Literature*: Six credit hours. This requirement will be met by English 115 and English 152.
 - B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of four ways:
 - (1) Giving evidence of satisfactory achievement in a foreign language taught at Colby by attaining before entrance a score of sixty in a College Entrance Examination Board foreign language achievement test.
 - (2) Successful completion of three credit hours in courses numbered above 113 in an ancient or modern foreign language offered at Colby College, with the

exception of critical language courses numbered 191, 192, 193, and German 117.

(3) For a transfer student who has studied a foreign language not taught at Colby, the requirement will be fulfilled if he has completed at an accredited institution the equivalent of a second year of that language at the college level with marks high enough to make the work acceptable toward the Colby degree.

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

II AREA REQUIREMENTS

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

III AREAS

A. HUMANITIES: LIST OF SUBJECTS

Art

Classics (except Ancient History)

English (except 111, 112, 113, 114, 115, 152, and 171)

Greek

Latin

Modern Languages (above the intermediate level)

Music

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

Physical Education 241, 242

B. NATURAL SCIENCES

Astronomy

Biology

Chemistry

Geology

Mathematics

Physics

C. SOCIAL SCIENCES

Administrative Science

Ancient History

Economics

Education

Government

History

Philosophy and Religion (except courses listed among
the humanities)

Psychology

Sociology

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

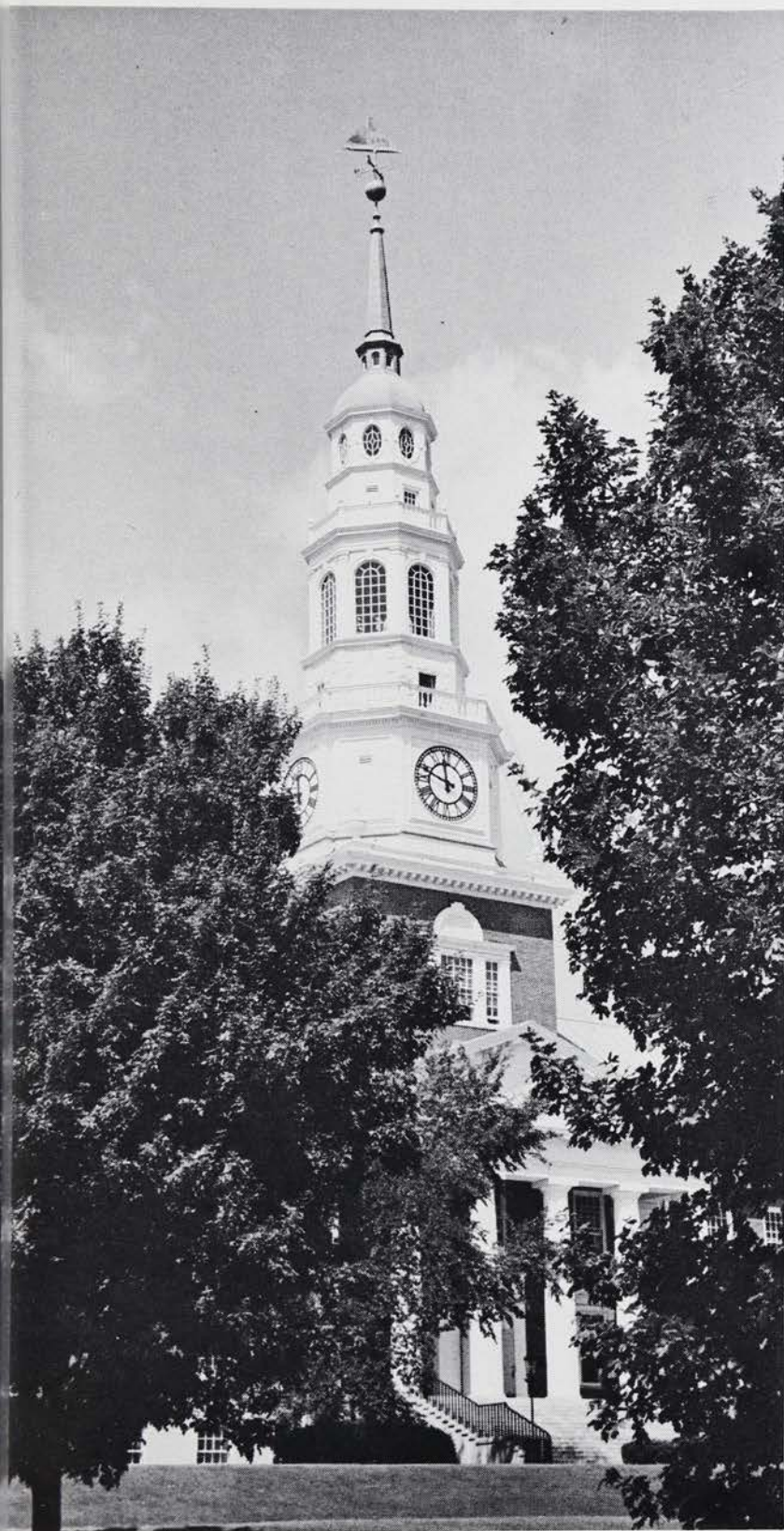
RESIDENCE Candidates for the degree entering Colby in the fall of 1972 or thereafter must earn at least sixty credit hours, including fifty-three in conventionally graded academic courses. They must be resident students at Colby for at least four semesters, including the last two semesters before graduation. A resident student is defined as a full-time student, taking at least twelve credit hours.

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

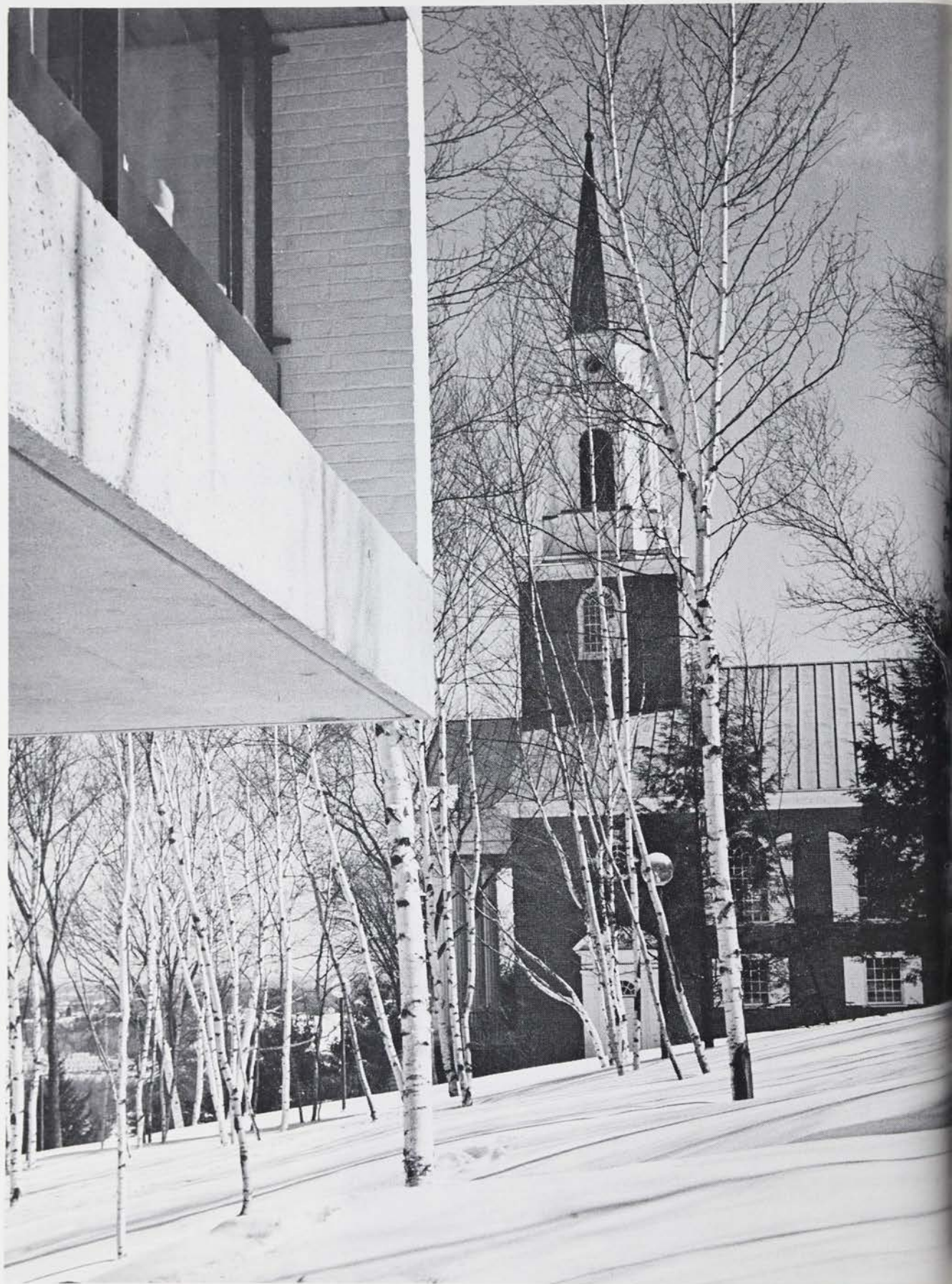
Students who entered Colby prior to the fall of 1972 may elect to graduate under the new requirements. Those who elect to complete under the requirements in effect at the time of matriculation are referred to the May 1971 *Colby College Bulletin*, catalogue issue, for regulations pertaining to residence.

EXEMPTION BY EXAMINATION When appropriate, either all college or area requirements, as well as certain requirements for the major, may be absolved by examination without course enrollment, at the discretion of the department concerned. No credit hours accrue from such examinations.

OPTION FOR CERTAIN STUDENTS A student returning to college after an absence must meet any new requirements for graduation if he still needs more than one-half of the total number of credit hours required



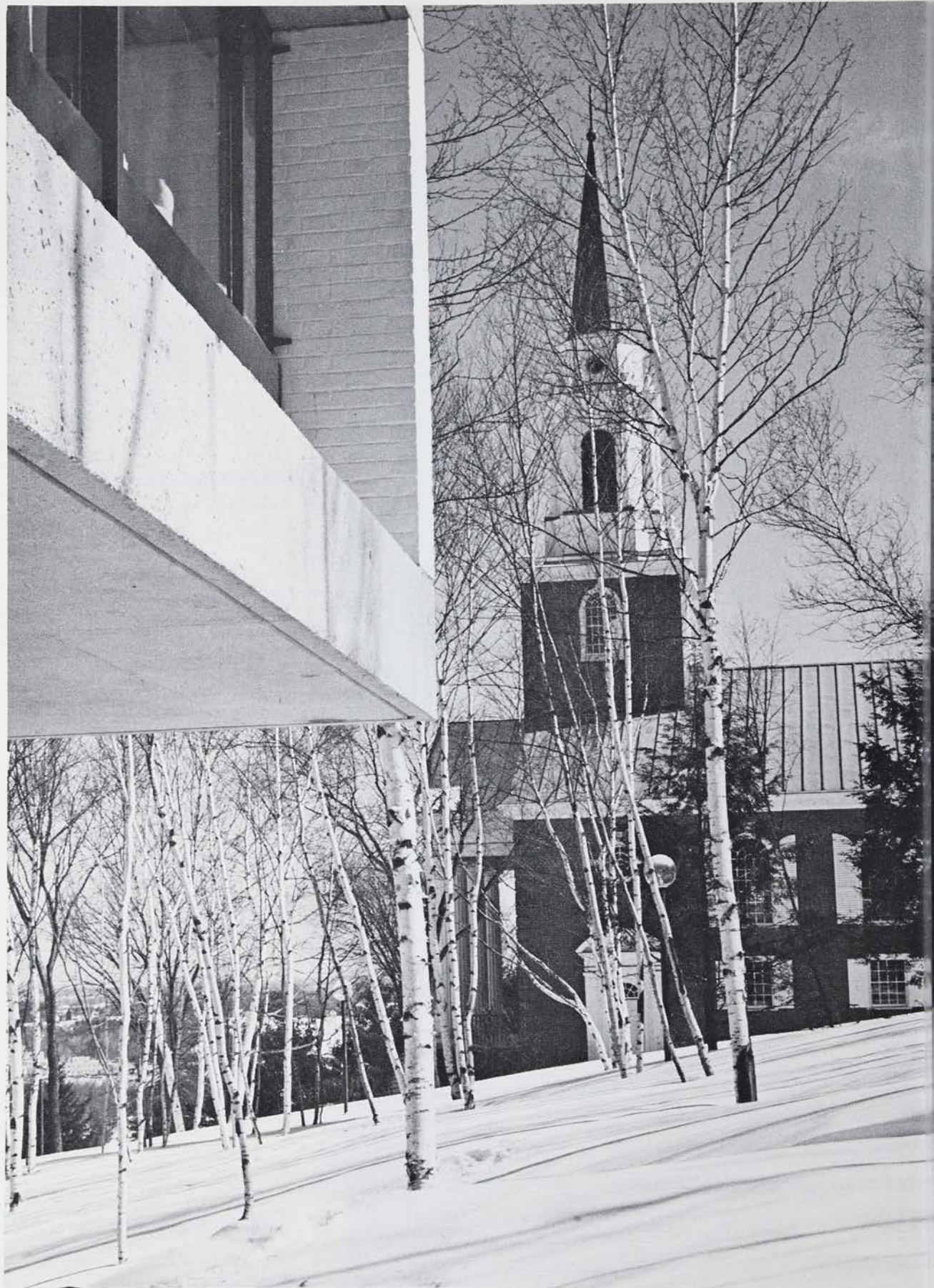
Miller Library



mer Chapel from Sturtevant

Award-winning dormitory complex





Primer Chapel from Sturtevant

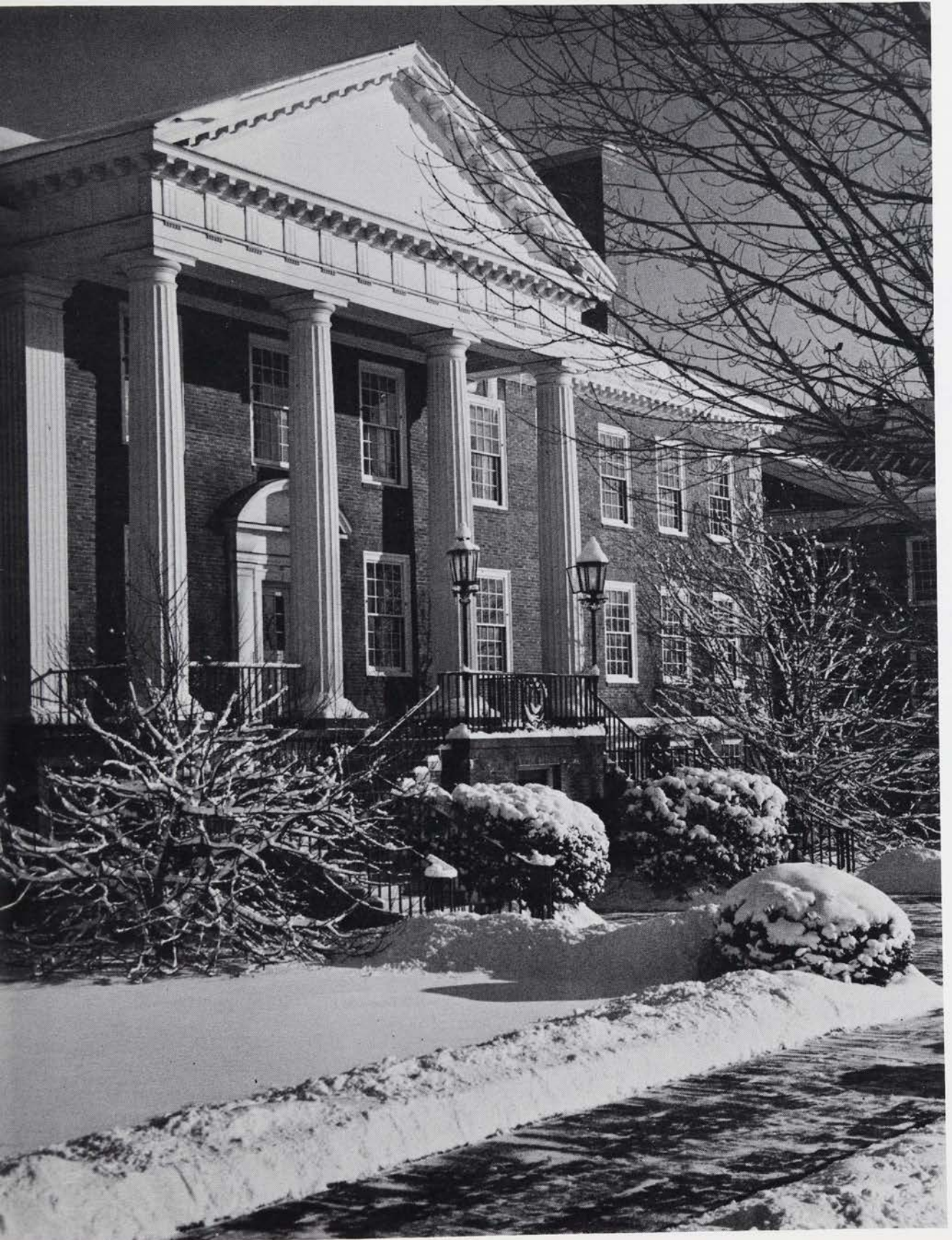
Award-winning dormitory complex



Championship meet, Fieldhouse



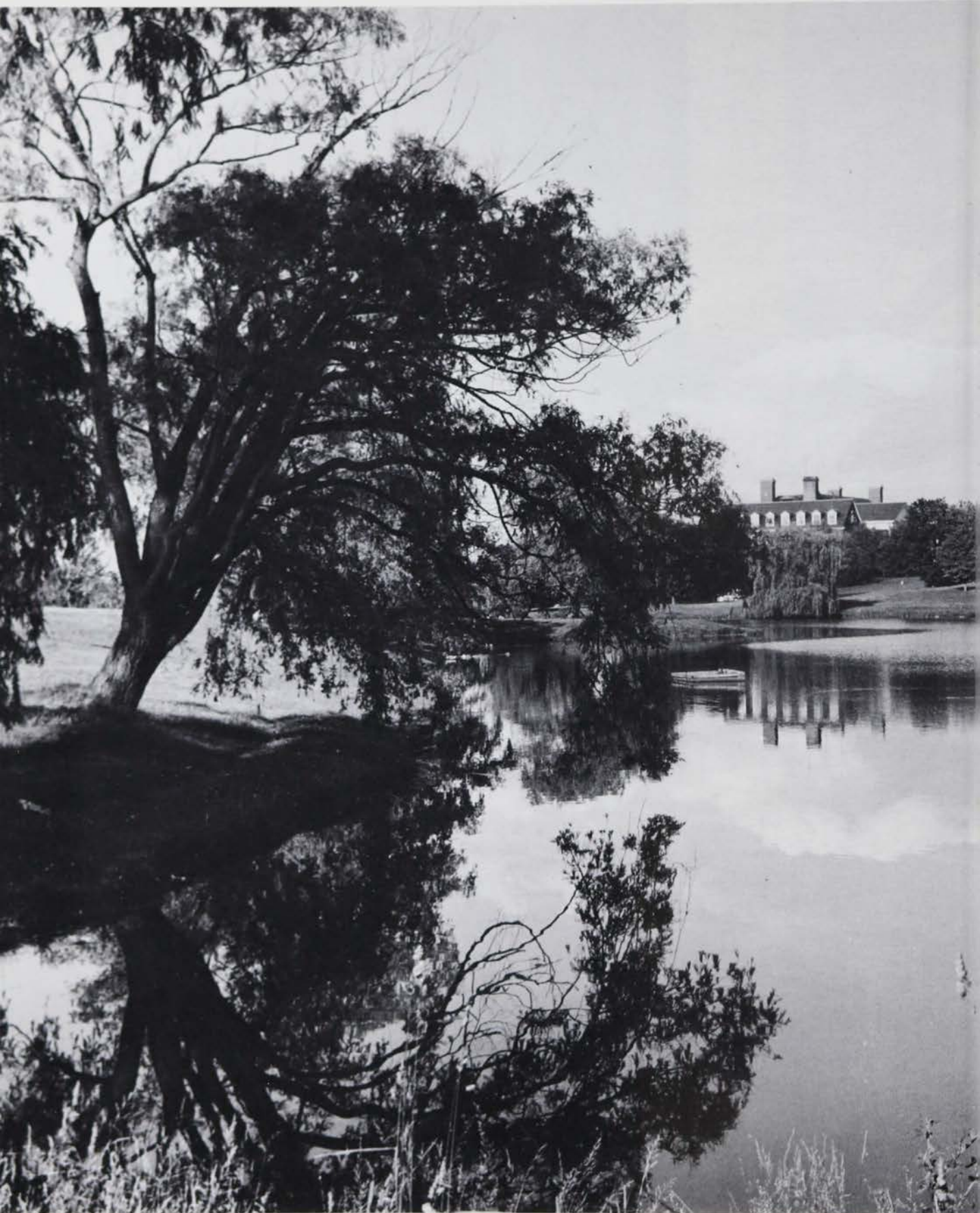
Keyes Science Building



Colby College Museum of Art







for graduation. If he still needs not more than one-half of the total number, he may meet either the new requirements or those in effect when he first enrolled.

MAJOR

Near the end of the freshman year, each student elects a tentative major in which he wishes to concentrate. The major may be chosen in a single subject or in one of a number of designated combinations.

The respective academic departments specify the courses constituting a major in each department. Before selecting a major, the student should acquaint himself thoroughly with the requirements detailed in the section on *Divisions, Departments, and Courses of Study*.

With the consent of the departments concerned, a student may change his major. Forms for officially effecting such change must be obtained from and returned to the registrar's office.

Any student whose cumulative points in courses completed toward the major fall below a certain scale loses his right to continue with that major. The required scale is as follows: 1.5 grade point average for the first two courses; two 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 twelve 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
 Environmental Studies

Studies in Human Development
 Studies in Western Civilization

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

Administrative Science-
 Mathematics
 Classics-English
 Classics-Philosophy
 Economics-Mathematics
 Geology-Biology

Geology-Chemistry
 Philosophy-Mathematics
 Philosophy-Religion
 Physics-Mathematics
 Psychology-Mathematics

READING PERIOD

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

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

JANUARY PROGRAM OF INDEPENDENT STUDY

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

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

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

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

Individual January programs for juniors and seniors follow different patterns. If a student chooses to work within his major, all arrangements are made through that 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 in the same manner as freshman and sophomore individual plans.

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

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

Work carried out in January is graded "honors," "pass," or "fail." To be eligible for graduation, each student must successfully complete one January program for every first semester in residence, to a maximum of four.

SENIOR SCHOLARS

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

CENTER FOR COORDINATED STUDIES

The Center for Coordinated Studies is an experimental unit whose existence at Colby dates from 1969. It has three declared objectives: (1) to create, through interdepartmental programs of study, more coherent patterns for a

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

The center has not aspired to become a "college within a college," with its own distinctive program and student body. It tries, rather, to function as a source and testing ground for approaches that may help the student break down the walls between college life and learning, and bridge the gaps among the "islands of knowledge" that tend to characterize a completely departmentalized educational environment.

Located in coeducationally grouped residence halls, the center provides for classrooms, offices, living, and dining. Students and faculty members shape and combine courses of study within areas of common interest. Thus, groups within the center have focused, at various times, on such cross-departmental topics as: *Studies in Behavior* (biology and psychology); *Literature and Politics*; *Studies in Comparative Literatures*; *Homer and History*; *The Concept of Evolution — Its Impact on Thought and History*; *Bilingual and Bicultural Studies*; *East Asian Studies*; *Existential Thought and Literature*. Areas, and the courses within them, undergo continuous modification and change. A student who is introduced to college-level work in any area — whether it be biology, history, classics, or another — through enrollment in the center, should proceed toward a major in that area with a richer understanding of the inter-relatedness of all of man's endeavors.

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

COMPUTER RESOURCES

Colby College has access to the PDP-10 computer at Bowdoin College through remote terminals in the Keyes Science Building and Lovejoy Building. Every student who elects an elementary mathematics course will receive instruction in the use of the terminals. Orientation programs in the

use of the terminals and the computer language BASIC are available to any students who are interested.

FOREIGN STUDY

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.

Colby is a member of the Associated Kyoto Program, which enables selected students to spend a year of study in Kyoto, Japan.

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. Credit for such study is guaranteed only if the student follows a program approved in advance by the major department and the committee. Application must be made by November 15 for spring semester study abroad and by April 15 for fall semester; forms can be obtained from the committee chairman. Approved applicants must notify the dean of students' office of their plans by December 15 for a second semester abroad or by May 1 for a first semester abroad.

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

The Harold D. Walker Scholarship Grants, administered by the committee, offer the opportunity for study and travel in Latin America.

EXCHANGE PROGRAMS

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 are conducted with Pomona College

and, informally, with Bogazici University in Turkey. 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.

OFF-CAMPUS PROGRAMS

Colby is a member institution in the Institute for Off-Campus Experience and Cooperative Education. The Off-Campus Experience Program is designed to give a limited number of students work experience in their major field of interest prior to graduation from Colby. Those students approved for the program are required to take a leave of absence for the period of the experiential program and do not receive academic credit for it. Each student successfully placed in an experiential program is charged a placement fee.

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

FOREIGN STUDENTS

Colby has traditionally encouraged the enrollment of students from other countries and is actively engaged in programs of international cooperation and exchange. 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 \$5 for each day of delay is charged on the student's semester bill for registration later than the date specified.

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

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

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

ELECTION OF COURSES

Each spring, with the approval of their advisers, students elect programs of study for the ensuing year; these elections, with approved revisions, are confirmed during the fall registration period. A student's academic program must bear his adviser's approval and be properly filed with the registrar; no credit will be granted for work in a course for which a student is not correctly registered. A continuing student registering in the fall is fined \$2 per credit hour if he fails to make spring election.

With the approval of the adviser, voluntary changes in a student's program may be made during the first eight class days of a semester, the first day of classes being considered the first day of the semester. After the eighth day, no changes may be made voluntarily from one course or section to another.

Changes of section within a course must be approved by the department or course chairman. Unless otherwise stated in the course description, no course may be repeated for

additional credit. A student may not register for two courses scheduled to meet concurrently.

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

PASS/FAIL

Students may elect to take a limited number of courses on a pass/fail basis (see GRADUATION REQUIREMENTS, above). Departments may specify that major courses must be taken on a conventionally graded basis; it is the student's responsibility to be aware of the policy of his department.

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

Forms for declaring pass/fail options can be obtained at the registrar's office. The form must be completed and returned no later than the last day of the change of course period of the semester in which the course is to be taken. Once submitted, a pass/fail election may not be voluntarily revoked. Letter grades submitted by instructors will be converted to *P* (for grades *A* through *D*) or *NP* before being posted on permanent record cards. No information about the "quality" of a *P* will be released by the registrar's office, even upon request of the student himself.

AUDITING COURSES

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

Adults who are not students of the college may register to audit courses at a fee of \$5 each semester for each credit hour, provided they obtain written consent of the instructor and of the dean of admissions. 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 based on his having scheduled three examinations in a single day or any four consecutive examinations. An excused student may be examined at a later date convenient to the instructor but not later than the seventh class day of the following semester. Under no circumstances may a student be permitted to take a semester examination earlier than the date on which it is scheduled. A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

With the consent of the dean of students, a student may for unusual reason accept, in lieu of semester examination, a mark for the course equal to seventy-five percent of his average without examination. Because this procedure is costly in reduction of final mark, few request it.

Hour examinations and shorter quizzes are given as the individual instructor decides. Short quizzes may be scheduled without notice, but each instructor is expected to give one week's notice of any hour examination.

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. In any such case, the dean of students will be notified. In addition, the instructor may dismiss the offender from the course with a mark of *F*. A student is entitled to appeal charges of academic dishonesty to the faculty appeals board which shall recommend action to the president of the college.

ACADEMIC STANDING

A student's class standing is determined by the 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 passing; a minor warning that, though passing, standing is so low that failure of the course is likely.

Official marks in letter grades of *A*, *B*, *C*, *D*, *E*, *F* are issued 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. If a course has been elected to be taken on a pass/fail basis, the registrar will convert the letter grade to *P* or *NP* before recording and releasing it.

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

A mark below *D*, except in courses referred to in the next paragraph, indicates that a course has been failed and that credit thus lost must be made up by an additional course

taken subsequently. If the failed course is specifically required for graduation, it must be repeated.

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

A mark of *Abs.* indicates that a student has been absent from final examinations. A mark of *Inc.* indicates a course not finished for some reason other than failure to take the final examinations. Grades of *Abs.* or *Inc.* must be made up within limits set by the instructor, and not later than 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. Such courses are identified in the description as "nongraded."

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

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

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

When a student's academic record is seriously deficient, the decision to retain or dismiss him from college is made by the committee on standing. The committee considers both quantity and quality of work in determining whether

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

WITHDRAWAL

Voluntary withdrawal from the college may be effected officially by filing a notice of withdrawal properly approved by the treasurer and the dean of students; the official form may be obtained from the dean. The date on the approved notice of withdrawal is the basis for computing any refunds 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 (page 16) that 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) Students on approved Junior Year Abroad or student exchange programs will receive credit under terms specified by the committee on foreign study and student exchange programs. Credits earned in summer school may be transferred if approved by the appropriate Colby department; forms for this purpose can be obtained at the registrar's office and should be filed prior to taking the course. No student may receive credit toward graduation for more than fourteen credit hours taken in summer school for the purpose of making up deficiencies incurred at Colby.
- (3) When a student who has been dropped from the college applies for readmission, courses taken during the period of separation are examined for transferable credit on the same basis as courses presented by new transfer students.

Admission

Colby College admits students as candidates for the degree of bachelor of arts. 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.

The college actively seeks applicants who have special qualities or talents to contribute to the Colby community, as well as those who represent diverse geographical, racial, and economic backgrounds. Such candidates are expected to be within acceptable ranges of academic ability and preparation. No person is excluded on grounds of race, 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: English 4, foreign language 2, college preparatory mathematics 3, history or social studies 1, science (laboratory) 1, college preparatory electives 5.

APPLICATION PROCEDURE

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

(2) Colby grants early decision to well-qualified candidates under a common early-decision program subscribed to by a number of colleges. Applicants submit application papers, junior SAT's, and three achievement tests prior to November 1, including a statement that Colby is the student's first choice, that early decision is requested, and that the candidate will enroll if admitted, provided that adequate financial aid as determined by the Parents' Confidential Statement is granted. Early decision candidates may file regular applications to other colleges with the understanding that these will be withdrawn if the candidate is accepted on an early decision basis by Colby.

College notification of action is normally given no later than December 1, and successful candidates are exempted

from further admissions tests except for placement purposes. Successful applicants for financial aid are notified of the amount of the award at the time of acceptance, provided the financial aid forms are complete. Candidates who are not approved for early decision are deferred to the college's regular admission plan and are reviewed without prejudice at the usual time in the spring.

(3) Interviews are not required, although applicants who have not visited the campus are encouraged to do so, and guides are provided weekdays and on Saturday mornings when the college is in session. Opportunities to meet with representatives of the admissions office are available except during February, March, and April. Individual appointments may be made upon request except during the period noted above and should be scheduled well in advance. The college will 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; the others may be of the candidate's choice. A language achievement test for placement purposes may be submitted any time prior to registration in September. A score of sixty on the language test meets the college language graduation requirement.

ADVANCED STANDING

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

EARLY ADMISSION

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

TRANSFER STUDENTS
AND VETERANS

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

Transfer application forms, including a special 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 complete prior to entrance. Preregistration cannot be guaranteed unless all required forms are received two weeks prior to registration.

Orientation for Freshmen

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

READING TESTS

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

PLACEMENT IN MATHEMATICS

Interviews are scheduled for freshmen who have not taken the CEEB advanced placement examination in mathematics but who seek advice on placement in Mathematics 122d (Calculus II), 221d (Calculus III), 241 (Elementary Statistics), or 243 (Finite Mathematics) without other prerequisites.

PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1974-75 is met at entrance by a score of sixty or more on the CEEB language achievement test.

Students *continuing* a foreign language at Colby are placed on the basis of the CEEB achievement test in that language. It is strongly recommended that they take that test in their senior year or the last year of study of the language at the secondary-school level. If they have not taken this test, and wish to continue the study of the language, they must take the language placement test during the freshman orientation program. Those presenting two or more units for entrance continue in courses above the 111, 112 level, with the following exceptions:

- (1) If the last year of a student's study of the language was sophomore year in high school, regardless of the number of years of previous study, he may enroll in 111, 112 for credit.
- (2) If a student has had only two years of language work that terminated in the junior or senior year, he may repeat the language with credit if the department feels that the preparation received is not adequate for the 113, 114 level.
- (3) If the student has completed three years of the language, and the third year is either the junior or senior year in high school, he may not enroll in 111, 112 except with special permission of the department.

Fees and Financial Aid

ANNUAL STUDENT CHARGES 1974-75	Tuition	\$3,000
	Board	750 ¹
	Room	500
	Dormitory Damage Deposit	15 ²
	General Fee	175
		\$4,440

CALENDAR OF PAYMENTS 1974-75	<i>Upon acceptance for admission</i>	Admission deposit — freshmen	\$ 100
	<i>July 1</i>	Attendance deposit for first semester — upperclassmen	\$ 200
FIRST SEMESTER	<i>On or before August 31</i>	One-half of annual student charges for tuition, board, and room, plus the dormitory damage deposit and the general fee for the year	\$2,315 ³
		(Note: Admission, attendance, and room deposits as paid may be deducted from this first semester payment; applicable miscellaneous charges should be included with the first semester payment.)	
	<i>November 30</i>	First semester bill (following pages)	
	<i>December 1</i>	Attendance deposit for second semester — all students	\$ 100
SECOND SEMESTER	<i>On or before January 20</i>	One-half of annual student charges for tuition, board and room	\$2,125 ⁴
		(Note: Second semester attendance deposit as paid may be deducted from this second semester payment; applicable miscellaneous charges should be included with the second semester payment.)	
	<i>March 31</i>	Second semester bill	
	<i>April 15</i>	Room deposit for first semester of the following year	\$ 50

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

¹Increases in food costs may necessitate an adjustment in the board charge.

²The dormitory damage deposit does not apply to residents of fraternity houses.

³Students who are permitted to eat or live off campus may deduct \$375 for board or \$265 for room and dormitory damage deposit from the amount due in advance of the first semester.

⁴Students who are permitted to eat or live off campus may deduct \$375 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 first semester of the following college year, make a \$50 deposit on or before April 15. This deposit will be forfeited if the student does not return to college, unless the room reservation is withdrawn on or before July 1.

Attendance Deposit for First Semester: A nonrefundable deposit of \$200 is required of all upperclass students on or before July 1 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For entering students, the \$100 admission deposit satisfies this requirement.

Attendance Deposit for Second Semester: A nonrefundable deposit of \$100 is required of all students on or before December 1 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit.

ADVANCED PAYMENTS *Tuition:* The tuition charge is \$1,500 per semester for schedules of nine to eighteen credit hours and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than nine hours and for hours in excess of eighteen, the tuition charge is \$115 per credit hour. The tuition charge for hours in excess of eighteen will be included in the semester bill. Nonmatric-

ulating students will be charged at the rate of \$115 per credit hour.

Board: Board in college dining halls is charged at the rate of \$375 per semester. (Increases in food costs may necessitate an adjustment in the board charge.) Payment must be made prior to each semester in accordance with the calendar of payments. All students living on campus are required to pay the board charge to the college.

Room: The room charge in college dormitories is \$250 per semester, payable prior to each semester in accordance with the calendar of payments. Students are expected to occupy college housing facilities to the full extent of their availability. Other arrangements may be made only with specific 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 public areas of the dormitories (lounges, hallways, etc.) will be charged against these deposits except in cases where the responsible students can be identified. The unused portion of these deposits is refunded on a prorated basis at the end of the year. Liability for damage to or loss of college property located within individual dormitory rooms lies with the resident(s) of that room. Students living in college dormitories are required to enter into a room contract covering this liability.

General Fee: The general fee is \$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 Services: The general fee (compulsory for all students) also supports the college health services. Free services in the Sherman M. Perry Infirmary is provided during the regular academic year. Included in the general fee is sickness and accident insurance, which the college covers by separate contract with an insurance carrier. Nonboarding

students are charged \$5 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

SEMESTER BILL Charges for miscellaneous items not paid 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.

MISCELLANEOUS *Extra Credit Hours:* The fee for each semester hour in excess of eighteen hours per semester is \$115 per hour. *Chemistry Laboratory:* A fee of \$20 per course is charged. Students enrolled in chemistry courses are also required to pay for excessive breakage or loss of apparatus.

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

Applied Music: All students receiving musical instruction for academic credit under the applied music program are charged a fee of \$60 for a one-credit course and \$100 for a two-credit course.

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

Telephone: Telephones are located in each room of the following dormitories and fraternity: Dana, Taylor, Sturtevant, and KDR. Each student living in these housing facilities is charged a fee of \$8.75 for the first semester and \$7 for the second semester for use of these telephones.

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

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

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

Plans providing for monthly payments at moderate cost are available through the Insured Tuition Payment Plan, 6 Saint James Avenue, 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. 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 less than a full week.

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

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

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

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, 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.

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

FINANCIAL AID

Colby College currently awards approximately 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 filed in Princeton in the fall of the academic year preceding admission.) Upperclass financial aid candidates arrange through the financial aid office 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 currently total over \$800,000 and are derived from endowment income,

gifts made possible by the generosity of alumni, trustee friends of the college, and foundations, as well as current income and government grants. Only Kling scholarship (for male descendants of colonial America) require special application, the remaining being administered by the financial aid office.

SELF-HELP CAMPUS EMPLOYMENT Self-help consists of low-interest loans and/or campus jobs requiring up to ten hours per week. Approximately 25 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, and some require less time, but, at \$1.60 per hour, a diligent worker can earn as much as \$450 per school year, which may be received in cash or credit toward the semester bill. Freshmen generally are ineligible for campus job assignment.

WORK-STUDY PROGRAM This program, federally funded, is designed to assist students having exceptional financial need. Employment is ordinarily in off-campus jobs with nonprofit organizations such as youth agencies, 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. Low federal allocations make participation in this program extremely limited.

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 seven percent interest rate that accrues only upon the beginning of the repayment period, usually nine months (varies by state) after graduation. Application is initiated by the student through his own home bank.

(2) The *National Direct Student Loan*, federally funded but administered by the college, is intended to aid students with greater need. Because these funds are limited by federal appropriation, a limited number of Colby students are able to borrow under this program.

PACKAGED AID The total family financial situation is considered for each applicant, and financial aid is offered in the form of a package. For example, a typical package for an upperclass 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. (All freshman aid packages include a self-help amount of \$650, met generally by a loan.) Upperclass aid packages include self-help up to a maximum of \$1,250, depending on need.

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 limitation, 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, national origin, or sex. All students are expected to be aware of current financial aid policy, copies of which are available at the financial aid office.

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

Colby College was founded by New England Baptists, and although it now does not maintain a formal relationship with any denomination, the college supports and encourages an ecumenical ministry on the campus.

The college chaplain acts as coordinator for the activities of a number of religious associations: Newman Club (Catholic), Hillel (Jewish), Canterbury Club (Episcopal), Colby Christian Fellowship (Evangelical Protestant), and Christian Science Organization. All of these groups use the sanctuary and social lounge of Lorimer Chapel. The Roman Catholic diocese of Portland provides the services of a part-time chaplain for Catholic students, and the local rabbi and the rector of the Episcopal parish also carry on a campus ministry.

Each Sunday morning a student group, under the direction of the college chaplain, conducts an all-college worship service in the chapel. Music for this service and for special concerts is performed by the students of the chapel choir under the leadership of Professor Adel Heinrich.

The director of student activities sponsors a student volunteer corps of fifty to 100 members who give time each week to work as Big Brothers and Big Sisters with children in Waterville and neighboring communities.

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

LECTURES

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

The Winthrop H. Smith Visiting Scholars Program

brings a distinguished speaker for two days to lecture, speak in classes, and meet informally with students and faculty. The Spencer Lecture, established in 1973, is devoted to world unity. The Clara M. Southworth Lecture presents a prominent speaker on a subject in "the broad field of environmental design, with emphasis on understanding some of the underlying philosophies of design that relate to the way in which men live." The Lovejoy Convocation annually honors a member of the newspaper profession.

Among visiting speakers in 1973-74 were Richard R. Baxter, Harvard Law School; Derk Bodde, specialist in Chinese philosophy; Marie Borroff, poet, director of graduate studies, Yale; W. Walton Butterworth, former U.S. Ambassador to Canada; Wing-tsit Chan, former professor of Chinese religion, Dartmouth; Carl J. Friedrich, Eaton Professor of the Science of Government, emeritus, Harvard; Lawrence H. Fuchs, chairman, department of American studies, Brandeis; Katharine Graham, publisher, *Washington Post*; Ernest Gruening, former governor and U.S. senator from Alaska; Leo Gruliow, Moscow correspondent for *The Christian Science Monitor*; George C. Homans, author, chairman, department of sociology, Harvard; Kenneth Inada, authority on Far Eastern and comparative philosophy; Morris Kline, mathematician and author, New York University; Jack Levine, painter and printmaker; Michael McClure, poet; H. Douglas Price, professor of government, Harvard; Hilary Putnam, professor of philosophy, Harvard; President Thomas Hedley Reynolds, Bates College; Maurice Rothschild, author; Benjamin Schwartz, professor of history and government, Harvard; Stephen M. Schwebel, Hamilton Fish Professor of International Law and Diplomacy, Johns Hopkins; Douglas Steere, professor of philosophy, Haverford College, Quaker author; Frederick B. Thompson, mathematician and professor, California Institute of Technology; and Taitetsu Unno, professor of world religions, Smith College.

Musical activities converge in the newly enlarged Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium. Stu-

dents are invited to participate (with or without academic credit) in the band, the Colby Community Symphony Orchestra, the glee club, and the Lorimer Chapel Choir, all under faculty direction. There are also informal student groups: the Colby Eight, the Colbyettes, the Baroque Society, and others. The Colby College Trio (consisting of Mary Hallman, violinist; Dorothy Reuman, 'cellist; and Lillian Garwood, pianist) presents chamber music on and off campus. A student chapter of the American Guild of Organists was formed in 1972.

Concerts by visiting artists are sponsored by the music department, by Student Government, and by the Colby Music Associates, a student-college-community group, which arranges the Colby Music Series and contributes to musical life on the campus. In 1973-74 the Colby Music Series included performances by the New York Pro Musica, the Beaux Arts Trio, Maureen Smith (violinist), and Oscar Ghiglia (guitarist).

Among other concerts were solo performances by Zoltan Szekely (violinist), Andrew Wolf (pianist), Jane Steven (soprano), and Eliot Fisk (guitarist), the Mellon Organ Series (professional recitals on the Mellon Organ in Lorimer Chapel), a program of avant-garde music with composer Elliott Schwartz and Visiting Assistant Professor Marion Brown, concerts by the Downeast Chamber Players and the Portland Symphony String Quartet, several concerts by college musical organizations, faculty and student recitals (including three Senior Recitals), and informal weekly Friday Noonday Recitals.

ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions featuring selections from the permanent collection, as well as original and traveling shows, are to be seen in the Jetté Galleries of the newly enlarged Colby College Museum of Art. The permanent collection features American and European painting, sculpture, and graphic art. Special collections are the Harold T. Pulsifer Memorial Collection of Winslow Homers, American Heritage Collection of Edith Kemper Jetté and Ellerton Marcel Jetté, the Helen Warren and

Willard Howe Cummings Collection of American Art, the John Marin Collection, the Adelaide Pearson Collection, the Bernat Collection of Oriental Ceramics and Bronzes, the Langenbach-Pepper Collection of Watercolors by Charles Hovey Pepper, and the Weiss Collection of Jack Levine Graphics.

Among the 1973-74 special exhibitions were *Woodcuts by Antonio Frasconi*, *Work Done by Senior Scholars*, *Miniature Bronzes by Harriett Matthews*, *Student Arts Festival Exhibition*, *Etchings and Lithographs by Jack Levine*, and *Retrospective of Work by Abbott Meader*.

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year.

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

In addition to the studio courses in the regular curriculum, four workshops are maintained for extracurricular activities in film making, ceramics, typography, and weaving.

In September 1973 a wing to the Bixler Center was opened. Built in response to the growing interest in art and music among students, alumni, and Friends of Art, it contains painting and sculpture studios and greatly expanded gallery space for exhibitions in the Museum of Art. For the first time, both the permanent collection and temporary exhibitions can be on display simultaneously. Expansion into the wing makes possible enlarged classrooms for art and music, and a new library shared by both departments.

DRAMATICS

Powder and Wig, the dramatic society, has a distinguished record of productions under the supervision of the director of dramatics. Students act in plays, direct, build scenery, and supervise staging and lighting. Courses in drama are offered by the English, the modern languages, and the classics departments. The 1973-74 Powder and Wig productions included John Gay's *The Beggar's Opera*, Maxim Gorki's *The Lower Depths*, and *You Can't Take It with*

You, by Kaufman and Hart. From time to time students produce plays, usually in connection with January independent study programs. In 1973-74 these included Dylan Thomas' *Under Milk Wood*, Clark Gesner's *You're a Good Man, Charlie Brown*, *The Thurber Carnival* by James Thurber, and *Can-Can* by Cole Porter.

SPEECH AND DEBATE

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

AUDIOVISUAL

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

Film Direction, formed in 1962 by students and faculty, brings films of high quality in various film genres. In addition, there are movies shown by Sunday Cinema and films brought by other student organizations and departments.

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

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 the administration and their prudential committees.

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

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

STUDENT ORGANIZATIONS

More than seventy student organizations are active on campus. Some have religious affiliations, while others are academic. Among the latter are Sigma Delta Pi (Spanish honor society), Chi Epsilon Mu (chemistry), Delta Phi Alpha (German), Phi Sigma Iota (Romance languages), Pi Sigma Alpha (political science), and the Pre-Med Society. Student publications include the weekly newspaper, *The Colby Echo*; the yearbook, *The Oracle*; as well as occasional journals devoted to art, literature, and photography.

Service organizations are the Blue Key Society, Big Brother/Big Sister Program, and the Panhellenic Council.

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

There are other clubs and societies described under appropriate catalogue headings. In addition, each class acts as an organization, with elected officials. Approximately forty students participate in Student Government every year, and over seventy-five students, appointed by Student Government, serve on all college committees.

GENERAL REGULATIONS

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

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

Although authority regarding discipline is the ultimate responsibility of the dean of students, most cases requiring discipline of students are given by him to the proper judicial board. A student judiciary board, consisting of twelve members, including a chief justice, and subjudiciaries affiliated with the various living units, assists in the enforcement of nonacademic rules and regulations of the college. A student

may appeal a finding of the student judiciary board to the faculty appeals board which also hears appeals stemming from disciplinary action for academic infractions.

ATTENDANCE Students are expected to attend classes regularly and are held responsible for all work done in any class from which they are absent. Each student is, however, permitted at least two unexcused absences from each course in any semester. The maximum number allowed, if beyond two, is determined by individual instructors. Each instructor explains at the first meeting of every semester what constitutes unsatisfactory attendance in his class. Any student whose attendance the instructor judges to be unsatisfactory is warned by the dean of students. Flagrant repetitions may lead to dismissal from the course without credit. For abandoning a course without permission, the student shall receive an *F*.

Official excuses for absence are granted only by the deans of students, and only for (1) critical emergencies, (2) athletic or other organizational trips, or (3) illness certified by the college physician or his authorized representative.

Medical excuses are issued only to students who fall within one of three classifications: (1) those confined to the college infirmary or hospital because of illness or surgery, (2) students treated by the medical staff at the dispensary, infirmary, or hospital, (3) students visited by the college physician in dormitories or other places of residence. Medical excuses are not granted on a retroactive basis unless one of these classifications is satisfied.

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

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.

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

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

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

The 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 use of alcoholic beverages. The laws of the State of Maine forbid possession of alcoholic beverages by any person under the age of eighteen. Where drinking leads to disruptive behavior, a student faces sanctions.

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

HEALTH POLICY Physicians in the Colby College health services treat students on the same basis as community physicians treat the patients under their care.

The college feels that the best interests of students are served by having full medical counseling and treatment from physicians thoroughly informed about personal medical history.

The college respects the rights of these physicians to use their professional judgment in meeting the health needs of students.

Upon recommendation of the college physician, the college reserves the right to require a student to withdraw for medical reasons. If, in the doctor's opinion, a student becomes unable to carry on normal student functions, or

when his presence is or may become a hazard to himself or others, withdrawal will be required. Following any medical withdrawal, recommendations from an attending physician may be required before the student is readmitted to the college.

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

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.

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

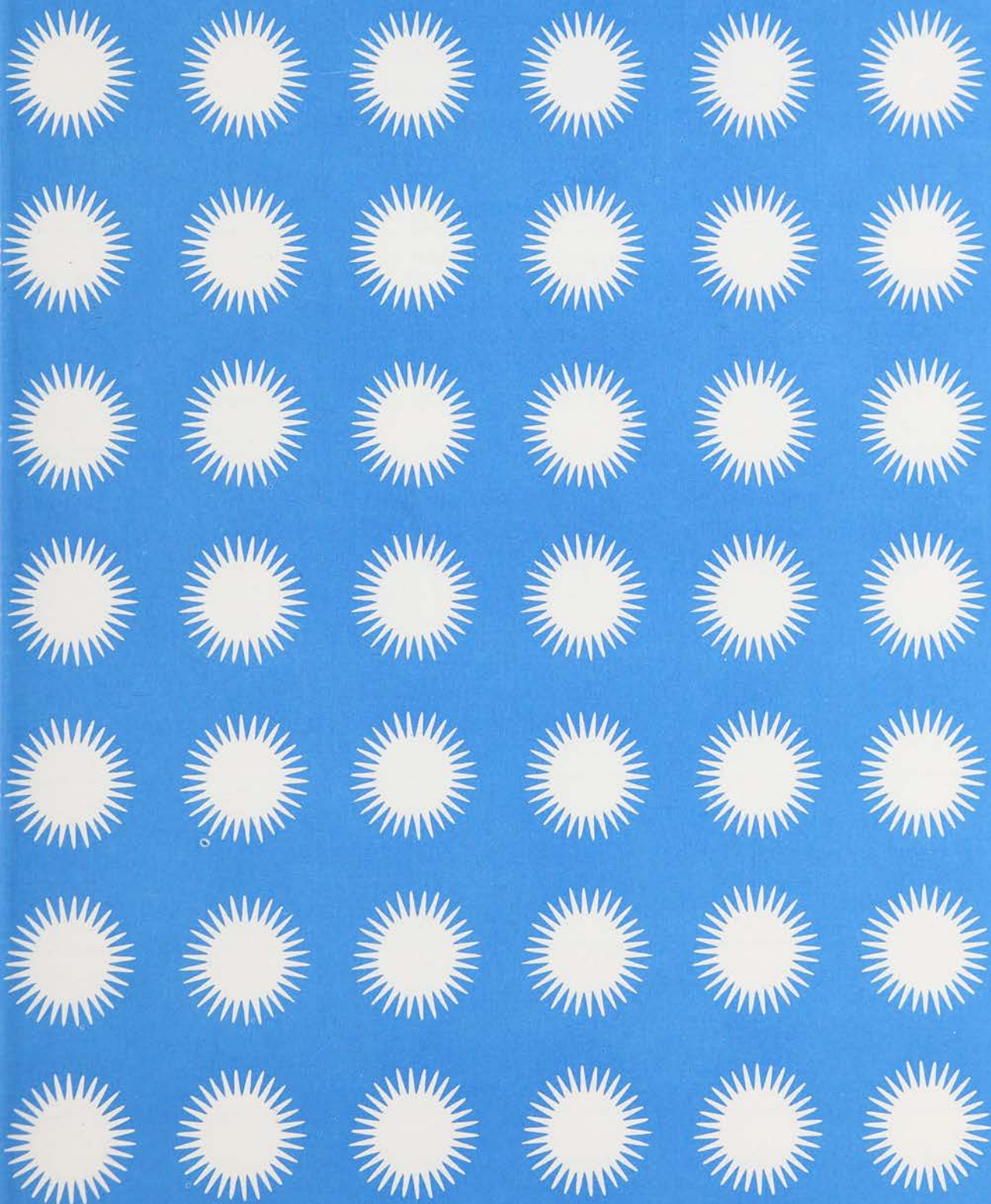
Details of rules relating to the use of motor vehicles may be found in the *Student Handbook*.

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

In special circumstances, some upperclass students are permitted to live off campus, with permission from their parents and the deans of students.

II

Divisions, Departments, and
Courses of Study



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Divisions, Departments, and Courses of Study

Descriptions of major programs can be found as follows: (1) *departmental*, with the appropriate department; (2) *those combining two departments*, with the division of the first-named department; (3) *interdivisional*, in separate section on interdisciplinary programs, page 69.

Courses are offered within four divisions:

DIVISION OF
HUMANITIES

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

DIVISION OF
SOCIAL SCIENCES

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

DIVISION OF
NATURAL SCIENCES

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

DIVISION OF
AEROSPACE STUDIES

The Division of Aerospace Studies at Colby was discontinued by the Department of the Air Force as of June 30, 1974.

DIVISION OF
PHYSICAL EDUCATION
AND ATHLETICS

Courses in *Physical Education*.

In the departmental statements following, members of the active faculty for the academic year 1973-74 are listed.

Division of Humanities

Chairman, PROFESSOR BENBOW

INTERDEPARTMENTAL MAJORS

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

Requirements for the major in classics-English

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek.

In English: six semester courses approved by the departments

Requirements for the major in classics-philosophy

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek, subject to departmental approval.

In philosophy: Philosophy 112; 123 or 211; 331, 332; 491 or 492.

For each of the above majors, at least one upper-division January program is required to be taken in the major.

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

ART

Chairman, PROFESSOR CARPENTER

*Professor Carpenter*¹; *Associate Professors W. Miller and Meader*²; *Assistant Professors Matthews and Ross*³; *Mrs. M. Miller*⁴.

Requirements for the major in art

Art 121, 122, 221 (or 211); at least three semester courses chosen from 271, 311, 312, 313, 314, 318, 352; additional courses in art to bring the total to 29 semester hours; at least six semester hours chosen from other fields of study related to the individual student's interests within the major (e.g., history, philosophy, music, English). These courses should be selected with the 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. All requirements for the major must be

¹On leave second semester 1973-74.

²On leave first semester 1973-74.

³First semester only.

⁴Part-time.

met in conventionally graded courses. A departmental examination is to be passed in the senior year.

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

CLASSICS

Chairman, ASSOCIATE PROFESSOR D. KOONCE

Associate Professors D. Koonce and Westervelt; Mr. Kaster.

Requirements for the major in classics

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

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

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

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

ENGLISH

Chairman, PROFESSOR ARCHIBALD

Professors Strider, Archibald, Benbow, Cary, Sutherland¹, Curran, MacKay, and Suss; Associate Professors Witham, Brancaccio, W. Wyman, H. Koonce, and Sweney²; Assistant Professors Mizner, E. Kenney, Bassett, R. Gillespie, J. Wyman³, S. Kenney³, E. Pestana³, Hall, and Ferster; Messrs. Martin and Chambers.

Requirements for the major in English and American literature

The curriculum for 1974-75 has been substantially revised, and there has been a corresponding change in course numbering. Students who need to determine the relationship between former and present course numbers should secure the table of equivalencies from the department, the registrar, or their adviser. They may not repeat the same material simply because it has a different number.

For the classes of 1975 and 1976: 10 courses in literature, at least six of which must be numbered 300 or higher. Students

¹On leave 1973-74.

²On leave second semester 1973-74.

³Part-time.

should consult with their advisers to ensure a reasonable distribution of courses among the various periods, topics, and methods of inquiry.

For the class of 1977 and after: English 221, 222, 251, and eight courses numbered 300 or higher. At least three of these must be courses in which the major focus is upon literature written before 1800, and at least three must be courses in which the major focus is upon literature written after 1800.

At least one upper-division January program must be taken in the major.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements. All requirements for the major must be met in conventionally graded courses.

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

The department encourages interdepartmental and interdisciplinary studies, offers some courses in conjunction with the Center for Coordinated Studies, and supports programs in American studies, Black studies, and studies in western civilization.

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR HOLLAND

Professors Kellenberger¹, Bundy, Holland, and P. Bither; Associate Professors Biron¹, Schmidt², Kempers, Cauz, and Kueter; Assistant Professors F. Pérez, C. Ferguson¹, P. Doel³, L. Ferguson, Filoso, Kerkham, Sims, and Woshinsky; Messrs. Weiss, Oudin, and Reiter

Achievement test: If a student offers a foreign language for entrance credit and wishes to continue it in college, he must either have taken the CEEB achievement test in that language or take the placement test during freshman week.

Note: In addition to the following major programs, the department also offers instruction in the Japanese, Portuguese, and Russian languages and in French, Italian, and Japanese literature.

¹On leave 1973-74.

²On leave second semester 1973-74.

³On leave first semester 1973-74.

in translation. Work can be done in some of the less commonly taught languages through the critical language program.

Requirements for the major in French

OPTION 1, emphasis on French literature: 30 credit hours in courses numbered 125 or higher.

OPTION 2, emphasis on a background in French language, literature, history, and culture, and the exploration of relationships between France and other western European countries: 21 credit hours in French courses numbered 125 or higher, including French 223, 224 (normally taken during the sophomore year), plus 12 credit hours, all selected from one of the following areas.

Area 1, social sciences: History 231, 232, 323, 324, 351, 353, 354; Government 234, 321, 322, 357; Economics 343, 344, 372, 381, 382.

Area 2, humanities: Art 313, 314, 318; History 351; Music 132, 213, 232; Philosophy 236, 374.

The following statements apply to both options: French 131 is required unless exempted; French 261, 262, 411, and 499 may not be counted toward the major; no more than 12 credits of foreign study (15 if the student has earned the *troisième degré*) may be counted toward the major; a student returning from foreign study must take at least one French literature course each semester until graduation.

Requirements for the major in German

Twenty-four semester hours in courses numbered above 118 with the exception of 411 and 499.

Requirements for the major in Spanish

Eight semester courses in Spanish numbered above 115 with the exception of 411 and 499.

In French, German, and Spanish, a maximum of six hours of pass/fail course work in courses numbered below 300 may be counted toward the major requirement.

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.

Chairman, ASSOCIATE PROFESSOR ARMSTRONG

Professors Comparetti and Ré; Associate Professor Armstrong; Assistant Professors Heinrich and D. Reuman¹; Visiting Assistant Professor Brown².

¹Part-time.

²Part-time second semester 1973-74.

Requirements for the major in music

Music 123, 124, 163, 164, 263, 264, 493; at least 12 additional hours in music history or theory courses. 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.

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

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

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

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, East Asian studies, studies in human development, and studies in western civilization.

Requirements for the major in administrative science-mathematics

In administrative science: 221, 222, 321, 322, 353, 413, 494; and Economics 141, 142.

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

Psychology 111, 291, and Sociology 221, 222 are recommended but not required.

Requirements for the major in economics-mathematics

In economics: 141, 142, 233, 234, 394, 411, plus two additional semester courses.

In mathematics: 113, 212; 241 or 381; at least six hours elected from 311, 361, 362, 382, 421; additional hours to bring the mathe-

matics total to a minimum of 18 credit hours. Effective with the class of 1978: 221, 222 will be required instead of 113, 212.

Requirements for the major in philosophy-mathematics

In philosophy: 112 and either 123 or 211; 257, 331, 332; and one further course in the department.

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

Requirements for the major in psychology-mathematics

In psychology: 111, 271, 391, and nine additional hours, to include at least one laboratory course.

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

For each of the above majors, at least one upper-division January program is required to be taken in the major.

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

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

ADMINISTRATIVE SCIENCE

Chairman, PROFESSOR W. ZUKOWSKI

Professor W. Zukowski; Associate Professor Knight; Assistant Professor Landsman.

Requirements for the major in administrative science

Administrative Science 221, 222, 321, 322, 413, 494; two semesters of mathematics; Economics 141, 142; Psychology 111, 291 or Sociology 221, 222 (although only one of the latter two course sequences is required, it is recommended that both be completed); and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 233, 234; 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, and Economics 233, 234, where these courses are used to satisfy major requirements. All requirements for the major must be met in conventionally graded courses.

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

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

ECONOMICS

Chairman, ASSOCIATE PROFESSOR HOGENDORN

Professor Pullen; Associate Professors Hogendorn and Gemery; Assistant Professors Cox, Dunlevy, Hanna, and Meehan.

Requirements for the major in economics

Economics 141, 142, plus 24 (30 for class of 1976 and following classes) additional credit hours in economics, including Economics 234 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, and Mathematics 241, 242 or 381, 382 may be substituted for six of the 24 (12 of the 30 for class of 1976 and following classes) 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 233, 234, 338, 393, 394, 411, and 494. A knowledge of mathematics through calculus and elementary statistics is essential. If a student intends to be a candidate for the PH.D. degree, he should also acquire a reading knowledge of French, German, and/or Russian.

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

The point scale for retention of the major applies only to courses in economics, except that Administrative Science 221, 222 or 321, 322 and Mathematics 241, 242 or 381, 382 will be counted if substituted for courses in advanced economics in fulfilling the major requirement. All requirements for the major must be met in conventionally graded courses.

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

EDUCATION

Office of Education, ASSOCIATE PROFESSOR JACOBSON; ASSISTANT PROFESSOR E. PESTANA¹

Colby offers a three-year interdepartmental program of course and field experiences which meets the minimal requirements for secondary-school-teacher certification in the fields of English, social studies, science, mathematics, Latin, American studies, environmental studies, and modern foreign languages². Because

¹Part-time.

²For those students who wish to meet elementary-school-teacher or special-education 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 during summers or after graduation.

requirements vary from state to state, however, each student must assume responsibility for obtaining the pertinent information which he needs¹. For those students who wish to defer their education courses, many graduate schools offer the Master of Arts in Teaching program which includes a paid teaching internship and regular courses, leading to not only the M.A.T. degree but a teaching certificate in the state.

Program of studies

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

Chairman, PROFESSOR MAVRINAC

Professors Mavrinc, Gillum, Raymond², Weissberg, and Foner; Associate Professors Berschneider³ and Bridgman; Assistant Professors Elison, Kany, Rosen, and Maisel; Messrs. Sacks and Farr⁴. The department offers majors both in history and in government.

Requirements for the major in history

For members of the class of 1976 and subsequent classes: 12 semester courses in history, of which up to two may be in ancient history. Majors in history planning to do professional work in history are encouraged to enroll in a senior seminar, but this is not required. A comprehensive examination is to be passed in the senior year, given on a major field in which the student has taken at least four semester-courses, at least two of which are at the 300 or 400 level, and a minor field of two different subjects, at least one of which is at the 300 or 400 level. 100-level courses may not be offered for the comprehensive examination; a two-

¹Most states require a concentration of 30 hours or more in a "major" (a commonly taught secondary-school subject) and 18 hours or more in education courses including student teaching. (N.B.) Some states, including Maine and New Hampshire, also require a concentration of 18 hours or more in a "minor" (a commonly taught secondary-school subject).

²On leave first semester 1973-74.

³On leave second semester 1973-74.

⁴Part-time lecturer.

semester sequence may be offered only in its entirety. The field of history from which a major or minor field may be chosen are American, Afro-American, English, European, and East Asian.

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

The point scale for retention of the major applies to all courses in history and government. With the exception of History 131, 132, all requirements for the major must be met in conventionally graded courses.

Requirements for the major in government

Ten semester courses in government. Students are expected to take at least one semester course in government numbered in the 400's. A comprehensive examination is to be passed in the senior year.

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

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR PARKER

Professors R. Reuman, Todrank, and Parker; Associate Professors Hudson; Assistant Professors Thorwaldsen, McArthur, and Longstaff.

Requirements for the major in philosophy

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

Requirements for the major in philosophy and religion

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

Requirements for the proposed major in religion

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

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

At least one upper-division January program is required to be taken in the major. An independent study (491 or 492) may be substituted for this requirement but cannot also be used to satisfy course requirements for the major.

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

Attention is called to interdepartmental majors in philosophy

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

PSYCHOLOGY

Chairman, PROFESSOR GILLESPIE

*Professors Johnson, J. Gillespie, Jenson, and P. Perez; Associate Professor Zohner*¹; *Assistant Professors DeSisto and Lester.*

Requirements for the major in psychology

Biology 111, 114; Psychology 111, 114, 271, 391, and 12 additional hours in psychology, to include at least one laboratory course.

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

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

SOCIOLOGY

Chairman, ASSOCIATE PROFESSOR GEIB

*Professor Birge*¹; *Associate Professors Geib and Rosenthal*²; *Assistant Professors R. Doel*³ *and Morrione; Mr. Kingdon and Ms. Heitzman.*

Requirements for the major in sociology

Sociology 221, 222, and 24 additional hours 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.

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

The point scale for retention of the major applies to all courses in sociology. At least 30 hours of sociology credit must be earned in conventionally graded courses.

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

¹On leave second semester 1973-74.

²On leave 1973-74.

³On leave first semester 1973-74.

Division of Natural Sciences

Chairman, PROFESSOR TERRY

INTERDEPARTMENTAL MAJORS

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

Requirements for the major in geology-biology

In geology: 121, 122 or 141, 142 or 161, 162; 211, 281; six additional credit hours 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 121 and one additional mathematics course numbered above 121. Physics 121, 122 is recommended.

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

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

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

Requirements for the major in geology-chemistry

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

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

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

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

Requirements for the major in physics-mathematics

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

In mathematics: 113, 121, 122, 212, 311, and one additional semester course as approved. Effective with the class of 1977, 221, 222 will be required instead of 113, 212.

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

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

BIOLOGY

Chairman, PROFESSOR BENNETT

Professors Bennett and Terry; Associate Professor Easton; Assistant Professors Fowles, Gilbert, Champlin, and Kestner.

Requirements for the major in biology

Two semesters of mathematics, including 121 (students who enter with Mathematics 121 or equivalent are required to take one semester of mathematics); Chemistry 141, 142; 32 hours in biology, including 111, 114, 271, 272, 301, 302 (substitutions may be made with departmental approval); one additional year of science. Chemistry 447 or 467 may be credited towards the biology major. The comprehensive examination in the major is administered in about the middle of the senior year.

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

Biology 111, 114, 271, and 272 constitute a core program and are normally prerequisite to all higher-numbered biology courses. With special permission of the department, a student may arrange to take Biology 271 or 272 and higher-numbered biology courses concurrently. The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for dental, medical, or veterinary schools must take Mathematics 122, Physics 121, 122, and Organic Chemistry; students preparing for graduate study in the biological sciences should also elect these courses. For most of these students, at least one further course in mathematics should be elected with the advice of the major department. Requirements for the PH.D. degree in areas of biological science usually include a reading knowledge of two modern foreign languages.

Students are encouraged to take courses at approved summer laboratories, and such courses may be approved for credit toward the major requirement.

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

CHEMISTRY

Chairman, PROFESSOR REID

Professors Reid and Machemer; Associate Professor Ray; Assistant Professors Maier¹ and W. Smith.

¹On leave second semester 1973-74.

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

Requirements for the basic major in chemistry

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

Requirements for the ACS accredited major in chemistry

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

Both upper-division January programs should be taken in the major.

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

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

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

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

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

Seminars for the chemistry department are held on Tuesday evenings. Important topics are developed and discussed; chem

istry majors are expected to attend, and seniors are required to participate.

Attention is called to the interdepartmental geology-chemistry major.

GEOLOGY

Chairman, PROFESSOR KOONS¹

*Professor Koons*¹; *Associate Professor H. Pestana*; *Visiting Associate Professor Wing*; *Assistant Professors Coleman, Allen*¹, and *Ward*.

Requirements for the major in geology

Geology 121, 122 or 141, 142 (the preferred sequence) or 161, 162; 211; 214; 221 or 271; 242; 251; 281; 352; one year of college mathematics; and Chemistry 141, 142. Geology 321, 322 may be substituted for 214, and are recommended for professional preparation, as is one semester of Geology 491, 492.

At least one upper-division January program is required in the major. A comprehensive examination is to be passed in the senior year.

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

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

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

Students planning professional careers in geology should remember that graduate schools will require for admission a summer field course or its equivalent, at least one year in physics and biology, and, frequently, additional mathematics; and that candidates for the doctorate must demonstrate a reading knowledge of two foreign languages.

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

MATHEMATICS

Chairman, PROFESSOR L. ZUKOWSKI

Professors Combellack and L. Zukowski; *Assistant Professors Hayslett, Small, Lieberman, and Shepardson*.

Requirements for the major in mathematics

Classes of 1975, 1976, 1977: Mathematics 113, 121, 122, 212, 361,

¹On leave 1973-74.

362, 421, 431, plus 12 credit hours selected from the following: 311, 314, 316, 332, 352, 381, 382, 422, 432. Mathematics 221, 222 may be substituted for 113, 212.

Effective with class of 1978: Mathematics 121, 122, 221, 222, 361, 362, 401, 402, 421, 431, and 12 additional hours in mathematics selected from the following: 332, 352, 381, 382, 422, 432.

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

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

Freshmen planning to major in mathematics or the physical sciences should elect in the sequence Mathematics 121, 122, 221, 222. Advanced placement or high school background would determine exactly where a student should enter the sequence.

Freshmen planning to major in the life sciences or social sciences might plan to elect from the set Mathematics 113 (Linear Algebra); Mathematics 121, 122 (Calculus); Mathematics 243 (Elementary Statistics); Mathematics 243 (Finite Mathematics). Elementary Statistics has a prerequisite of Mathematics 121 or equivalent. Mathematics 243 is offered in alternate years and has a prerequisite of 113, 121, or equivalent.

A brief introduction to the use of the computer terminals will be required in all 100- and 200-level mathematics courses. For students electing more than one such course, the work will be graduated accordingly.

Attention is called to the interdepartmental majors in administrative science-mathematics, economics-mathematics, philosophy-mathematics, physics-mathematics, and psychology-mathematics.

PHYSICS

Chairman, PROFESSOR BANCROFT

Professor Bancroft; Associate Professor Dudley; Assistant Professor Metz.

The department seeks to train students to think analytically in terms of the fundamental principles of physics. Subject matter in courses is selected to illustrate basic laws with wide applicability. The course offerings provide excellent background for graduate study in physics, astronomy, or the other natural sciences.

Requirements for the major in physics

Twenty-four credit hours in physics, including 121, 122, 211, 321, 332; Mathematics 121, 122, 221, 222; three additional credit hours in natural science. A comprehensive examination is normally required in the senior year.

Students preparing for graduate work in physics, a related science, or engineering should plan to elect eight additional hours of physics, including Physics 441, and six additional hours of mathematics, including Mathematics 311. Mathematics 121, 122 should be taken during the freshman year. It is strongly recommended that Chemistry 141, 142 be taken during the sophomore year, and that the college language requirement be fulfilled in French, German, or Russian.

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

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

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

Interdisciplinary Studies

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

Chairman, PROFESSOR JOHNSON

MEMBERS: Professors Bassett, Brancaccio, Elison, Gilbert, Johnson, Kany, and D. Koonce; Francis A. Fiore, Jr., Martha A. Nist, and Lynn C. Pitman.

Interdisciplinary majors are offered in American studies, East Asian studies, environmental studies, studies in human development (a new major, described for the first time in this catalogue), and studies in western civilization (a revision of the former major in ancient and medieval western studies). In addition, there are courses in Black studies and coordinated courses. Each area is administered by an advisory committee and utilizes courses in several departments of the college.

Director, PROFESSOR BASSETT

ADVISORY COMMITTEE: Professors Bassett (English), Brancaccio (English), Bridgman (History and Government), Foner (History and Government), Gemery (Economics), Longstaff (Philosophy and Religion), Maisel (History and Government), W. Miller (Art), and six students majoring in American studies elected by fellow majors.

The American studies program, revised in 1971, replaces the former American civilization major. A student majoring in American studies at Colby is taught—in single courses and through a combination of courses—the subject matter of America's past and present, with special effort devoted to the integration and knowledge of more than one academic discipline. Built around a core of courses in American history and American literature, the American studies program strives for genuinely interdisciplinary insights into the complexities of American thought and culture.

Requirements for the major in American studies

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

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

One senior seminar or 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 14 courses. These may be selected from a list available from the major adviser, and include offerings in art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

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.

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

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

Courses approved for the major

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

BIOLOGY: 352 Ecological Theory.

ECONOMICS: 321, 322 Government Regulation; 338 Money and Banking; *351 Public Economics; *352 Fiscal Policy; †[353] Public Labor Relations and Manpower Policy; *374 American Economic History; 411 History of Economic Thought; 491, 492 Independent Study.

EDUCATION: 336 History of American Education.

ENGLISH: 251d Major American Authors; 252d Introduction to American Studies; 338 Contemporary Literature; 351 Early American Authors; 352d1 The American Renaissance; 353d2 Realism and Naturalism; 354 Modern American Literature; 355d2 Black American Literature; †[375] Modern Drama I; †[376] Modern Drama II; 396 American Writers; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature.

GEOLOGY: *221, 222 Map Interpretation and Geomorphology of the United States.

GOVERNMENT: 257 American Government and Politics; 314 American Constitutional Law; 321, 322 Political Theory; †[356] Parties and the Electoral Process; *391 The American Bureaucrat; 393 State and Local Government; 435 Seminar in American National Government and Politics; [436] American Politics Seminar: Voting Behavior; 457 Foreign Policy of the United States; 491, 492 Independent Study.

HISTORY: 223, 224 Survey of United States History; 271 Presidential Elections and the American Economy, 1952-1972; 277 Black History I; †[278] Black History II; [372] Loyalty, Science, and the United States Government, 1945 to Present; †[373] The Young Industrial State, 1877-1932; 374 Contemporary America, 1929 to Present; [375] American Colonial History; [376] The Era of the American Revolution, 1763-1789; 377 Historical Introduction to American Studies: The United States, 1824-1850; †[378] The United States, 1850-1880; 379 Black History III; *391 The American Civil War; 394 The American South, 1819-1861; †[395] The Early National Republic, 1801-1845; *416 Seminar in American History; †[432] Seminar in Black History; 491, 492 Independent Study.

MUSIC: 491, 492 Independent Study.

PHILOSOPHY: †[352] American Philosophy; 353 Contemporary Analytic Philosophy; 491, 492 Independent Study.

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

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

SOCIOLOGY: 222 Principles of Sociology; 312 Short Courses in Sociology; 331 Contemporary Social Problems; *333 Delinquency and Crime; 352 Race and Minorities; *353 Urban Sociology; †[361, 362] Cultural Anthropology; 374 Social Stratification; 391 Social Change; *396 Collective Behavior; 491, 492 Independent Study.

BLACK STUDIES

Director, PROFESSOR BRANCACCIO

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

Activities in the area of Black studies began in 1969 with the formation of a Black studies subcommittee of the educational policy committee. The work of this committee has involved the encouragement of curriculum development, scholarly exchanges through visiting lecturers, faculty attendance at professional meetings such as the one held annually in Atlanta at the Center for Afro-American Studies, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major.

Courses offered in Black studies include

ENGLISH: 355d2 Black American Literature; 494 Seminar in the Black Aesthetic.

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

CENTER FOR COORDINATED STUDIES

Director, PROFESSOR JOHNSON

Acting Director, 1974-75, PROFESSOR H. KOONCE

Faculty Chairman, PROFESSOR BASSETT

FACULTY ASSOCIATES: *Professors Bassett (English), Easton (Biology), Gilbert (Biology), Johnson (Psychology), Kenney (English), and D. Koonce (Classics).*

FACULTY AFFILIATES: *Professors Archibald (English), Bassett (English), Benbow (English), Champlin (Biology), DeSisto (Psychology), Easton (Biology), Elison (History), Geib (Sociology), Gilbert (Biology), Hudson (Philosophy), Kerkham (Modern Foreign Languages), D. Koonce (Classics), H. Koonce (English), Sack (Government), and Westervelt (Classics).*

The concept and conduct of the Center for Coordinated Studies which works in close liaison with other interdisciplinary programs is as described on page 19 of this catalogue. Its offerings, reflecting the needs and experience of the participants, are subject to frequent modification. A separate brochure, outlining the center's function in greater detail and describing current programs, is available on request.

EAST ASIAN STUDIES

Director, PROFESSOR ELISON

ADVISORY COMMITTEE: *Professors Carpenter (Art), Elison (History)*

and Government), Gillum (*History and Government*), Kerkham (*Modern Foreign Languages*), Maurinac (*History and Government*), Hudson (*Philosophy and Religion*), Rosen (*History and Government*), and Thorwaldsen (*Philosophy and Religion*).

The program of East Asian studies contributes a new dimension to the traditional liberal arts curriculum by exposing the student to rich cultures beyond the scope of western civilization. The academic major in East Asian studies is in addition meant to be preparation for further specialized studies in graduate school. Study abroad during the junior year is encouraged.

Requirements for the major in East Asian studies

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

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

Courses approved for the major

EAST ASIAN STUDIES: 491, 492 Independent Study.

GOVERNMENT: 135 Introduction to the Traditional Political Systems of East Asia; 136 The Chinese Revolution; 239 Politics and Government in the People's Republic of China; 371 East Asian Political Thought; 376 Chinese Foreign Policy; 476 Seminar in East Asian Government.

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

JAPANESE: 111, 112 Elementary Japanese; 113, 114 Intermediate Japanese; 153 An Introduction to Early Chinese and Japanese Literatures in Translation; 152 The Modern Japanese Novel in Translation; 491, 492 Independent Study.

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

ENVIRONMENTAL STUDIES

Director, PROFESSOR GILBERT

STEERING COMMITTEE: *Professors Bancroft (Physics); Bennett (Biology); Gilbert (Biology); Kany (Assistant Dean of Faculty), Chairman; Koons (Geology); Reid (Chemistry); and L. Zukowski (Mathematics).*

ADVISORY COMMITTEE: *Professors R. Doel (Sociology); Gilbert (Biology), Chairman; Kestner (Biology); Weissberg (Government); two students representing the Colby Environmental Coun-*

cil; Mr. T. Gordon (Cobbossee Watershed District); Mr. E. Keen (North Kennebec Regional Planning Commission); Dr. D. Koon (Maine Department of Conservation); Mrs. R. Strider (Waterville Conservation Commission); and Mr. M. Wiebe (Keep Maine Scenic Committee).

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

Requirements for the major in environmental studies

In biology: one semester course selected from 117, 135, or 271 and one semester course selected from 111, 118, or 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 172, 174, or 292; and 491, 492.

In mathematics: 241 or 381.

In physics: Physics 121 or Astronomy 131 (for the class of 1977 and after).

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

An additional 10 credit hours from the approved list of courses in astronomy, biology, chemistry, geology, mathematics, and physics (for the class of 1977 and after, this requirement will be for an additional seven credit hours).

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

At least one January program in environmental studies.

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

Courses approved for the major

ASTRONOMY: 131 Descriptive Astronomy.

BIOLOGY: 111 The Cell, Mendelian Genetics, Mechanism of Evolution; 117 Ecology and Field Biology; 118 Ecology and Population Biology; 135 Plant Biology; †[136] Understanding Evolution; 271 Introduction to Ecology, Introduction to Plants; 352 Ecological Theory.

CHEMISTRY: 111 Studies in Environmental Biochemistry; 11

Topics in Chemistry; 121e, 122 General Chemistry; 141e, 142 General Chemistry and Elementary Analysis.

GEOLOGY: 121, 122 Introduction to Geological Science I; 141, 142 Introduction to Geological Science II (with laboratory); 161, 162 Problems in Geology; 172 Oceanography I; 174 Oceanography II (with laboratory); †[292] Meteorology; 491, 492 Independent Study.

MATHEMATICS: 241d Elementary Statistics; 381 Mathematical Statistics.

PHYSICS: 121 General Physics.

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

BIOLOGY: †[311] Taxonomy of Flowering Plants; 313 Invertebrate Zoology; *319 Biology of the Lower Plants; †[333] Chordate Evolution; †[354] Marine Ecology; *356 Inland Ecology; 358 Ecology Field Study; 376 Problems in Comparative Animal Physiology.

CHEMISTRY: 241, 242 Organic Chemistry.

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

MATHEMATICS: 242 Elementary Statistics; 382 Mathematical Statistics.

PHYSICS: 122 General Physics.

Approved courses from the Division of Social Sciences

ADMINISTRATIVE SCIENCE: 354 Law; 413 Organizational Behavior.

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

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

PSYCHOLOGY: [215] Animal and Human Ethology.

SOCIOLOGY: 332 Human Ecology; *353 Urban Sociology; 393 Complex Social Organizations.

Director, MR. KINGDON

STEERING COMMITTEE: *Professors Bennett (Biology), Geib (Sociology), J. Gillespie (Psychology), Kany (Assistant Dean of Faculty), and Parker (Philosophy).*

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

A multidisciplinary study of the origin and development of man is proposed. Academic aims of the program are to provide an

understanding of the development of man as a biological and psychological organism; an appreciation of the relationship between the individual and his social environment; an opportunity to consider possible future directions for both the individual and society; and working experience with a local, state, or regional agency involved in some aspect of human development.

Requirements for the major in studies in human development

In biology: either 131, 132 or 111, 114.

In human development: 494 and coordinating seminars 298, 397, 398.

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

In psychology: 111 and two semester courses selected from 215, 252, 261, 262, 291.

In sociology: 221, 222 and two semester courses selected from 332, 337, 353, 361, 362, 373, 374, 391.

An additional nine credit hours from the approved list of courses in biology, economics, English, government, history, philosophy, psychology, religion, and sociology.

At least one January program in human development.

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

Courses approved for the major

BIOLOGY: 111 The Cell, Mendelian Genetics, Mechanism of Evolution; 114 Vertebrate Biology; †[131] Human Evolution; †[132] Human Embryology and Reproduction; 315 Cellular Physiology; 332 Developmental Biology; 371 Genetics; 376 Comparative Animal Physiology.

ECONOMICS: 141, 142 Principles of Economics; 231d Economic Analysis and Public Policy; †[343, 344] Comparative Economic Development; *374 American Economic History.

ENGLISH: English courses relevant to the major will be determined each semester by the advisory committee.

GOVERNMENT: 334 Contemporary Forms of Political Analysis; 335 Political Behavior; 393 State and Local Government.

HISTORY: 223, 224 Survey of U.S. History; †[351] Intellectual and Cultural History of Modern Europe.

PHILOSOPHY: 211 Moral Philosophy; †[236] Social Philosophy; *318 Ethics and General Theory of Value; 331 History of Ancient Philosophy; 332 History of Modern Philosophy; 333 Philosophy of Education; †[352] American Philosophy; *359 Nineteenth Century Philosophy; †[374] Existentialism and Phenomenology.

PSYCHOLOGY: 111d Introduction to Psychology; [213] Motivation; [215] Animal and Human Ethology; 252 Developmental Psychology.

ogy; 261, 262 Personality and Abnormal Psychology; [272] Neuropsychology; †[274] Vision and Visual Perception; 291d Social Psychology; 317 Seminar in Developmental Psychology.

RELIGION: *217 Religion in America; 223, 224 Biblical Literature; 281 Cultural Euthenics.

SOCIOLOGY: 221, 222 Principles of Sociology; 331 Contemporary Social Problems; 332 Human Ecology; 337 Sociology of Child Development; 352 Race and Minorities; *353 Urban Sociology; †[361, 362] Cultural Anthropology; 373 The Family; 374 Social Stratification; 391 Social Change; 393 Complex Social Organizations; 411 Normative Social Theory; 412 History of Sociological Theory.

STUDIES IN WESTERN
CIVILIZATION

Director, PROFESSOR D. KOONCE

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

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

Requirements for the major in studies in western civilization

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

of the following periods of western culture: Greece, Rome, Middle Ages, the Renaissance, the Enlightenment.

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

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

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

Courses approved for the major

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

ART: 121, 122 Introduction to Art; *311d2 The Art of Ancient Greece and Rome; *312d1 Art of the Renaissance in Italy; †[313] Art of the Renaissance in Northern Europe; †[314] Baroque Art.

CLASSICS: 133 Myth and Literature; 232 Greek Tragedy; †[315] The Heroic Ideal in Early Greek Poetry.

ECONOMICS: †[372] European Economic History.

ENGLISH: 221, 222 Major British Writers; 331 Medieval Literature; 332 The Renaissance; 333 The Seventeenth Century; †[334] The Eighteenth Century; 351 Early American Authors; †[378] History of the English Language; †[383, 384] Studies in Shakespeare; 391d2 Chaucer; †[392] Spenser; *393 Introduction to Shakespeare; *394 Milton.

FRENCH: 223 French Civilization; †[341, 342] The Seventeenth Century; 343, 344 French Thought of the Eighteenth Century.

GOVERNMENT: 321 Political Theory.

GREEK: all courses listed.

HISTORY: 131 Introduction to History; †[231] Medieval Civilization; †[232] Renaissance and Reformation, 1300-1648; 318 The Age of the Baroque; †[334] Medieval England: The Origins of the Common Law; *337 Tudor-Stuart England; 418 Seminar in European History.

ITALIAN: 211 Dante; 212 Italian Literature of the Renaissance.

LATIN: all courses numbered above 112.

MUSIC: 123d, 124d Introduction to Music; *213 Medieval Music; †[232] Music of the Renaissance; *234 Baroque Music; 235 Classical Music.

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

RELIGION: 223, 224 Biblical Literature; *319 Primitive Religions.

[351] The Book of Job; *352 The Theology of Paul; †[353] The Great Prophets of Israel; †[358] Jesus of Nazareth.
SPANISH: 351 The Theatre of the Golden Age.

Division of Physical Education and Athletics

Chairman, ASSOCIATE PROFESSOR WINKIN

Associate Professors Winkin and M. Bither; Assistant Professors McGee, Covell, Nelson, Hodsdon, Hodges, Schulten, and Whitmore; Mr. Mukai and Ms. Mitchell.

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

PHYSICAL EDUCATION

Coordinator, MRS. M. BITHER

Physical Education 1, 2: one year of physical education is required of all Colby students for graduation. Waivers are available for skilled students who do well in the screening tests in swimming, leisure-time sports, fitness, and posture, or who are members of varsity teams. An additional graduation requirement is to demonstrate ability to bob, float, and keep oneself above water.

A program of instruction in a wide variety of activities is offered on a coeducational basis. Activities presently in the program are *aquatics*: swimming, life saving, water-safety instructors' course, synchronized swimming, recreational swimming, canoeing; *leisure-time sports*: tennis, golf, squash, handball, skating, figure skating, archery, skiing, cross-country skiing, fencing, badminton, hiking and outdoor education, riding, bowling; *dance*: modern, folk, ballet; *team sports*: touch football, basketball, volleyball, softball, field hockey, lacrosse; *other activities*: judo, gymnastics, body mechanics, Pounds Away Club, yoga, weight lifting.

INTRAMURALS

Coordinator, MR. COVELL

Programs in intramurals are on a coeducational basis; each student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball, ice hockey, volleyball, skiing, track, squash, swimming, softball, tennis, cross-country, golf, and basketball free-throw. Teams are

divided into fraternity and independent divisions, with a point system determining winners of each divisional trophy.

INTERCOLLEGIATE ATHLETICS

Athletics for men include varsity teams in indoor and outdoor track, cross-country, golf, lacrosse, tennis, skiing, squash, and swimming, and both varsity and junior varsity teams in football, basketball, hockey, and baseball.

Teams for women are in field hockey, tennis, gymnastics, fencing, women's ice hockey (club), basketball, bowling, badminton, and skiing.

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

Division of Special Programs

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

During the academic year, this division arranges such annual conferences as the *Colby Institute for Management* and the *Sloan Institute on Hospital and Health Administration*. Each summer, around 2,500 individuals from throughout the nation and other countries are on campus for courses and seminars ranging from *Great Books* to *Occupational Hearing Loss*.

Continuing education programs in medicine and allied health fields constitute a significant portion of summer activities. Doctors enroll in the *Lancaster Course in Ophthalmology*, *Seminar in Nuclear Medicine*, *Neurosurgical Techniques*, and *Otolaryngology*. Newly developed medical seminars for 1974 include *Hematology*, *Cancer Treatment*, *Forensic Medicine*, *Pulmonary Diseases*, and *Surgical Techniques*. Colby's medical programs are fully accredited.

ited by the American Medical Association's Council on Medical Education. Some of these courses are conducted at Thayer Hospital in Waterville. Other summer programs include such diverse topics as *Estate Planning and Tax Institute*, *Church Music*, *Industrial Hearing Testing*, and the *Maine Methodist Conference*.

Adult courses and Colby telecourses, although not offered every year, are maintained in special programs, as is the use of Colby facilities by outside groups.

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

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

Courses of Study

KEY TO SYMBOLS AND METHODS OF COURSE DESIGNATION

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

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

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

The second digit may be:

- zero* — either semester of a year course, with credit given only on completion of the two semesters;
- an even number* — either member of a pair of closely related semester courses (special permission of the department is required to take the second without the first);
- an odd number* — an independent semester course.

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

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

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

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

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

[] Brackets indicate that the course will not be offered in 1974-75.

* An asterisk indicates that the course will probably not be offered in 1975-76.

† A dagger indicates that the course will probably be offered in 1975-76.

A schedule of hours and rooms for courses listed in this catalogue is available at the registrar's office at registration periods.

Courses listed are subject to withdrawal at the discretion of the college administration.

Credit hours shown are per semester unless otherwise noted. Courses listing variable credit are offered basically for the smaller number of credits. Students can earn augmented credit in these courses by completing such extra work as the instructor may specify.

Administrative Science

<p>221C, 222 PRINCIPLES OF ACCOUNTING MRS. KNIGHT</p>	<p>The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society — its relationship to law, economics, and social policy. <i>Three credit hours.</i></p>
<p>321, 322 FINANCE MR. ZUKOWSKI</p>	<p>An analytically structured approach to decision making in the financial area. Money and capital markets are considered. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 141, 142 or special permission. <i>Three credit hours.</i></p>
<p>341, 342 ADVANCED ACCOUNTING MR. ZUKOWSKI AND MRS. KNIGHT</p>	<p>Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined. <i>Prerequisite:</i> Administrative Science 221, 222. <i>Three credit hours.</i></p>
<p>343, 344 MARKETING INSTRUCTOR</p>	<p>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 141, 142. <i>Three credit hours.</i></p>
<p>353 MANAGERIAL ECONOMICS MR. ZUKOWSKI</p>	<p>The decision-making process examined in an economic context. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 141, 142 or special permission. <i>Three credit hours.</i></p>
<p>354 LAW INSTRUCTOR</p>	<p>The processes of law that underlie personal and institutional relationships. <i>Four credit hours.</i></p>
<p>411 THE CONSUMER IN SOCIETY MRS. KNIGHT</p>	<p>Consumer behavior is examined within the framework of the financial and social institutions that comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives, and decisions. <i>Three credit hours.</i></p>
<p>412 INVESTMENTS STAFF</p>	<p>The principles of investment, with special attention to investment analysis, the investment process, and criteria for investment decisions.</p>

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

ORGANIZATIONAL BEHAVIOR
INSTRUCTOR

This course utilizes an historical and sociological orientation as it examines the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations.

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

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

492
INDEPENDENT STUDY
SFF

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.*

SEMINAR
ZUKOWSKI

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

Prerequisite: Administrative Science 221, 222, 321, 322, 413, and two additional semester courses in administrative science or from the approved group (see major requirements). *Four credit hours.*

American Studies

492
INDEPENDENT STUDY
SFF

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

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

Ancient History

IN THE DEPARTMENT OF CLASSICS

52]
WEEK HISTORY

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

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

†[254]

ROMAN HISTORY

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

*352

ATHENS IN THE FIFTH CENTURY

MRS. KOONCE

The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens.

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

†[353]

GREECE IN THE FOURTH CENTURY

The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources.

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

491, 492

INDEPENDENT STUDY

STAFF

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

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

Art

121, 122

INTRODUCTION TO ART

STAFF

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

141, 142

DRAWING

MISS MATTHEWS

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. *Three credit hours.*

211d

INTRODUCTION TO PAINTING

PROBLEMS

INSTRUCTOR

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.

Prerequisite: Art 141, 142. *Three credit hours.*

<p>212 PRINCIPLES OF DESIGN INSTRUCTOR</p>	<p>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></p>
<p>212, 262 BEGINNING SCULPTURE S. MATTHEWS</p>	<p>Designed to help the student to acquire a foundation in the sculptural techniques of wood and stone carving and welding. It is recommended that the student take both semesters. Enrollment limited. <i>Prerequisite:</i> Art 141, 142. <i>Three credit hours.</i></p>
<p>212 AMERICAN ART MILLER</p>	<p>Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <i>Three credit hours.</i></p>
<p>212d2 THE ART OF ANCIENT GREECE AND ROME MILLER</p>	<p>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></p>
<p>212d1 THE ART OF THE RENAISSANCE IN ITALY MILLER</p>	<p>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></p>
<p>213 THE ART OF THE RENAISSANCE IN NORTHERN EUROPE</p>	<p>The art of France, Germany, and the Lowlands in the fifteenth and sixteenth centuries, with emphasis on the major painters from Van Eyck to Brueghel. Special attention is given to the graphic arts (woodcuts and engravings) in Germany. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>214 BAROQUE ART</p>	<p>The art of Europe in the seventeenth and eighteenth centuries, with emphasis on the major painters. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>214d1 EUROPEAN ART SINCE 1800 CARPENTER</p>	<p>Emphasis on French painting of the nineteenth and early twentieth centuries. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>

331d ADVANCED PAINTING INSTRUCTOR	An opportunity for further study in painting, using either oil or acrylics. Enrollment limited. <i>Prerequisite:</i> Art 221 and permission of the instructor, or 211d. <i>Three credit hours.</i>
335, 336 ADVANCED SCULPTURE MISS MATTHEWS	Further use of the techniques acquired in Beginning Sculpture in developing the student's own visual ideas. Enrollment limited. <i>Prerequisite:</i> Art 261, 262. <i>Three credit hours.</i>
*352 THE GRAPHIC ARTS MR. CARPENTER	History and criticism of drawing and print making, with emphasis on European art since the Renaissance. Formerly listed as 353. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three or four credit hours.</i>
356 TWENTIETH-CENTURY ART MR. MILLER, MR. CARPENTER, AND INSTRUCTOR	The architecture, painting, and sculpture of the present century in Europe and America. Attention to particular problems in art of the past 50 years will take precedence over a survey-approach. <i>Prerequisite:</i> Three semesters of art, including Art 121, 122. <i>Two or three credit hours.</i>
371d ADVANCED PAINTING INSTRUCTOR	A tutorial painting situation. Open to students who have shown capability in Art 331. Enrollment limited. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Individual study of special problems in the practice, history, or theory of the visual arts. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i>
493 SEMINAR IN ART CRITICISM MR. CARPENTER	Primarily for senior art majors. 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. <i>Three credit hours.</i>
499d ART TEACHING STAFF	Directed practice in conduct of discussion sections in art history. Open to a limited number of upperclass art majors. May not be included in basic 105 graded hours by students with 120-hour graduation requirement. Nongraded. <i>Two credit hours.</i>

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

1
WORLD SYSTEMS

DUDLEY

Major turning points in man's understanding of the physical universe. The course examines the history and content of revolutionary changes of thought about motion from Copernicus to Einstein, and provides an introduction to special relativity. Occasional laboratory work is designed to illustrate the concepts discussed. Permission of the instructor required for students who have completed Physics 121. Lecture and laboratory. Enrollment limited. *Three credit hours.*

1
DESCRIPTIVE ASTRONOMY

INSTRUCTOR

The earth, solar system, stars, galaxies, and universe. The course begins with a survey of what we know about our own planet, and progresses to a study of more complex systems. Some discussion of current theories of stellar evolution, the origin of the universe, and the observational evidence will be included. Lecture. *Three credit hours.*

Biology

1
THE CELL, MENDELIAN
GENETICS, MECHANISM OF

EVOLUTION

MISS BENNETT

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

4
VERTEBRATE BIOLOGY

R. EASTON

An introduction to the anatomy, embryology, and functions of the vertebrates. Lecture and laboratory.

Prerequisite: Biology 111 or equivalent. Four credit hours.

15, 116
CONCEPTS IN BIOLOGY

STAFF

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

117 ECOLOGY AND FIELD BIOLOGY MR. GILBERT	Natural patterns of the New England landscape are studied through field trips to selected habitats. Lectures relate these patterns to various environmental factors. Ecological concepts underlying the philosophy of "Spaceship Earth" are discussed. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours.</i>
118 ECOLOGY AND POPULATION MR. GILBERT	Population dynamics, topics in evolution, and animal behavior. The human "Population Bomb" and its ecological consequences are discussed. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours.</i>
†[131] HUMAN EVOLUTION	The evolutionary origin of Man through study of selected original papers and short publications. Attention is given to the basic theory of evolution and the forces that are effective in the process. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
†[132] HUMAN EMBRYOLOGY AND REPRODUCTION	Human reproduction, from germ cell formation through the gestation period, with attention to physiological and anatomical changes in mother and fetus as they occur during the process. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
135 PLANT BIOLOGY MR. FOWLES	An introduction to the principles of biology as illustrated by plants, with emphasis on structure, activities, and reproduction of green plants. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours.</i>
†[136] UNDERSTANDING EVOLUTION	The scope, significance, and mechanisms of evolution. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours.</i>
271 INTRODUCTION TO ECOLOGY; INTRODUCTION TO PLANTS	Part I: introduction to ecological principles: structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips are taken to

GILBERT, MR. FOWLES,
MR. KESTNER

sites representative of terrestrial, fresh-water, and marine habitats. Part II: introduction to the biology of plants, with emphasis on the structure, activities, and reproduction of the green plants. Lecture and laboratory.

Prerequisite: Biology 111 or equivalent. *Four credit hours.*

BIOLOGY
CHAMPLIN

An introduction to the study of cellular and molecular biology: an examination of the structure and function of nuclear and cytoplasmic components, with emphasis on experimental findings. Instruction in basic histological and cytochemical techniques is included. Lecture and laboratory.

Prerequisite: Biology 111 or equivalent and Chemistry 141, 142 (may be taken concurrently), or permission of the instructor. *Four credit hours.*

302
BIOLOGY SEMINAR
EFF

Discussion of contemporary topics in biology. Nongraded.

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

11]
XONOMY OF FLOWERING
ANTS

An introduction to the study of variation, evolution, and classification of flowering plants, and the techniques used by systematists in establishing relationships among plants. Identification of specimens that characterize the major families of flowering plants represented in the local flora is stressed. Lecture and laboratory.

Prerequisite: Biology 111, 114, 271, and 272, or permission of the instructor. *Four credit hours.*

VERTEBRATE ZOOLOGY
S BENNETT

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

Prerequisite: Biology 111, 114, 271, and 272, or permission of the instructor. *Four credit hours.*

ANT PHYSIOLOGY
FOWLES

The essential mechanisms of plant functions. Lecture and laboratory.

Prerequisite: Biology 111, 114, 271, and 272, or permission of the instructor. *Four credit hours.*

LLULAR PHYSIOLOGY
TERRY

An introduction to physiological processes, including enzyme action, respiration, permeability, muscular contraction, nervous and hormonal coordination. Lecture and laboratory.

Prerequisite: Biology 111, 114, 271, and 272, or permission of the instructor. *Four credit hours.*

317 ANIMAL HISTOLOGY MR. EASTON	The structure of cells, tissues, and organs, principally of vertebrates, with aspects of function. Lecture and laboratory. <i>Prerequisite:</i> Biology 111, 114, 271, and 272, or permission of the instructor. <i>Four credit hours.</i>
318 MICROBIOLOGY MR. TERRY	The biology of bacteria and viruses. 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. Lecture and laboratory. <i>Prerequisite:</i> Biology 111, 114, 271, and 272, or permission of the instructor. <i>Four credit hours.</i>
*319 BIOLOGY OF THE LOWER PLANTS MR. FOWLES	Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Lecture and laboratory. <i>Prerequisite:</i> Biology 111, 114, 271, and 272, or permission of the instructor. <i>Four credit hours.</i>
332 DEVELOPMENTAL BIOLOGY MR. CHAMPLIN	A study of development, with emphasis on the experimental findings that have led to present ideas of the morphological and chemical processes underlying the development and growth of organisms. Lecture and laboratory. Formerly listed as Biology 332. <i>Prerequisite:</i> Biology 111, 114, 271, and 272, or permission of the instructor. <i>Four credit hours.</i>
†[333] CHORDATE EVOLUTION	Origin of vertebrate form through consideration of homologous structures in extinct and living organisms. Lecture and laboratory. <i>Prerequisite:</i> Biology 111, 114, 271, and 272, or permission of the instructor. <i>Four credit hours.</i>
352 ECOLOGICAL THEORY MR. GILBERT AND MR. KESTNER	Interpretations of the nature of the biotic community; analysis of mathematical models of diversity, dispersion, and population dynamics; opposing views about the regulation of population abundance; perspectives concerning the basis of our environmental crisis. Readings from contemporary sources will be discussed. Lecture only. <i>Prerequisite:</i> Biology 111, 114, 271, and 272, or permission of the instructor. <i>Two credit hours.</i>
†[354] MARINE ECOLOGY	Field and laboratory studies on estuarine and coastal organisms. Quantitative sampling methods and analysis of data will be accomplished through group and individual projects that include occasional weekend trips to the coast. Laboratory and discussion.

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

AND ECOLOGY
GILBERT

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

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

LOGY FIELD STUDY
GILBERT

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

Prerequisite: Biology 352, at least concurrently, or permission of the instructor. *One credit hour.*

ETICS
CHAMPLIN AND
KESTNER

The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes in individuals and populations are examined. Formerly listed as Biology 372 and 374.

Prerequisite: Biology 111, 114, 271, and 272, or permission of the instructor. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours.*

BLEMS IN COMPARATIVE
MAL PHYSIOLOGY
S BENNETT

Studies of the manners in which animals of major phyla cope with their functional problems. Both ecological and evolutionary correlations are stressed. Lectures only. Augmented credit of one hour based on the addition of an individual research problem emphasizing the methods of comparative physiology.

Prerequisite: Biology 111, 114, 271, and 272, or permission of the instructor. *Three or four credit hours.*

, 492
DEPENDENT STUDY
FF

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

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

Chemistry

STUDIES IN ENVIRONMENTAL
CHEMISTRY

A few situations in which polluting and ultimately toxic chemicals intrude upon the proper functioning of biochemical systems will be studied in great detail. Intended for environmental studies

MR. MAIER	majors or as a nonlaboratory course for nonscience majors. Enrollment limited. <i>Three credit hours.</i>
112 TOPICS IN CHEMISTRY INSTRUCTOR	Chemistry is treated as a subdivision of natural philosophy rather than of technology. Subjects covered will include atomic structure, nuclear energy, radioactivity, energy relationships, and environmental problems. Intended for nonscience majors; does not satisfy the laboratory science distribution requirement. <i>Three credit hours.</i>
121e, 122 GENERAL CHEMISTRY MR. MACHEMER	Selected fundamental principles in inorganic chemistry; stoichiometry; ionic equilibria; atomic and molecular structure. <i>Three credit hours.</i>
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: 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. Lecture, discussion, and laboratory. <i>Four credit hours.</i>
221e, 222 ORGANIC CHEMISTRY MR. REID	The chemistry of carbon compounds, aliphatic, aromatic, heterocyclic, from the point of view of synthesis, structure, properties, and uses. Lecture. <i>Prerequisite: Chemistry 122. Three credit hours.</i>
241e, 242 ORGANIC CHEMISTRY MR. REID	Lecture and text material the same as 221e, 222 but with laboratory sessions added: separations, purifications, syntheses, determination of important properties, elementary analysis. Lecture, discussion, and laboratory. <i>Prerequisite: Chemistry 142. Five credit hours.</i>
331 QUANTITATIVE ANALYSIS MR. 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. Lecture and laboratory. <i>Prerequisite: Chemistry 142. Four credit hours.</i>
332 INSTRUMENTAL ANALYTICAL CHEMISTRY MR. MACHEMER	Theoretical and practical instruction in special instrumental methods. Laboratory work involves potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, gas chromatography, and radiochemistry. Lecture, discussion, and laboratory.

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

342
PHYSICAL CHEMISTRY
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. Lecture, discussion, and laboratory.

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

ORGANIC CHEMISTRY
INSTRUCTOR

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. Lecture.

Prerequisite: Chemistry 342. *Four credit hours.*

QUALITATIVE ORGANIC
ANALYSIS
REID

The systematic identification of organic compounds. Lecture and laboratory.

Prerequisite: Chemistry 332, 342. *Four credit hours.*

ADVANCED ORGANIC
CHEMISTRY
REID

Advanced topics, varied to suit the needs of the students: alicyclics, heterocyclics, natural products, reaction mechanisms, molecular rearrangements. Lecture.

Prerequisite: Chemistry 242. *Two credit hours.*

ADVANCED PHYSICAL
CHEMISTRY
INSTRUCTOR

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. Lecture.

Prerequisite: Chemistry 342. *Three credit hours.*

448
BIOCHEMISTRY
MAIER

Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 111 and 114 are recommended as preparation. Lecture.

Prerequisite: Chemistry 242 and 342 or permission of the department. *Four credit hours.*

468
BIOCHEMISTRY
MAIER

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

Prerequisite: Chemistry 242 and 342 or permission of the department. *Five credit hours.*

491, 492

INDEPENDENT STUDY

STAFF

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

494

SEMINAR IN BIOCHEMISTRY

MR. MAIER

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

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

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

MYTH AND LITERATURE

MR. WESTERVELT

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

232

GREEK TRAGEDY

MR. WESTERVELT

The development of tragedy as a dramatic form and its relationship to the contemporary changes in Athenian democracy. Readings will include major plays of Aeschylus, Sophocles, and Euripides, and the parody of tragedy in the *Frogs* of Aristophanes. *Three or four credit hours.*

†[234]

THE HEROIC IDEAL IN EARLY
GREEK POETRY

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

491, 492

INDEPENDENT STUDY

STAFF

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

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

East Asian Studies

492
DEPENDENT STUDY
FF

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 director. *One to four credit hours.*

Economics

142
PRINCIPLES OF ECONOMICS
FF

Principles of economics and their applications to modern economic problems. Formerly listed as Economics 241, 242. *Three credit hours.*

141
ECONOMIC ANALYSIS AND
PUBLIC POLICY
FF

The methods of economic analysis studied in the first-year course will be applied to various matters of current economic policy. Each section will consider different policy problems, examples of which might include the economics of warfare, welfare, population growth, the mystique of growth, economics of ecology and the environment, urban economics, poverty and discrimination, tax inequities, and the economics of education and medicine. A description of the topics offered by section will be available at registration.

Prerequisite: Economics 141, 142. *Three credit hours.*

336
MACROECONOMIC THEORY
DUNLEVY

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. Formerly listed as Economics 336.

Prerequisite: Economics 141, 142. *Three credit hours.*

331
MACROECONOMIC THEORY
MEEHAN

Theoretical concepts involved in the determination of price and output in a market economy. Analysis of both commodity and factor markets will be undertaken. Required of all majors. Formerly listed as Economics 331.

Prerequisite: Economics 141, 142. *Three credit hours.*

322
GOVERNMENT REGULATION

The role of government in a private-enterprise economy. First semester: industrial organization and antitrust economics, with

MR. MEEHAN

reference to specific industries and antitrust cases. Second semester: examination of specific regulated markets and the rationale for regulation.

Prerequisite: Economics 141, 142. *Three or four credit hours.*

338

MONEY AND BANKING

MR. HANNA

The money market: supply models of money creation, and alternative approaches to the demand for money. The role of money, credit, and banking in the American economy, and the applicability of monetary policy to the problems of economic stability. Formerly listed as Economics 341, 342.

Prerequisite: Economics 141, 142. *Three or four credit hours.*

†[343, 344]

COMPARATIVE ECONOMIC
DEVELOPMENT

Growth and development in various settings. The first semester will concentrate on developing areas and their drive toward economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process will be undertaken. Emphasis is on Africa, India, Southeast Asia, and Latin America. The second semester will consider the basic types of economic systems encountered in the developed world, with special attention to the problems of planning. Emphasis is on western Europe, Japan, the Soviet Union, and China. Formerly listed as Economics 334 and 391.

Prerequisite: Economics 141, 142. *Three or four credit hours.*

*351

PUBLIC ECONOMICS

MR. 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.

Prerequisite: Economics 141, 142. *Three or four credit hours.*

*352

FISCAL POLICY

MR. 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.

Prerequisite: Economics 141, 142. *Three or four credit hours.*

†[353]

PUBLIC LABOR RELATIONS AND
MANPOWER POLICY

Development of public policy toward unions and collective bargaining. Some critical issues of manpower policy—minority group problems, discrimination in employment and in union membership, national manpower needs and resources, investment in human capital. Formerly included in Economics 361, 362.

Prerequisite: Economics 141, 142. *Three credit hours.*

355
WAGES, EMPLOYMENT, AND
COLLECTIVE BARGAINING
R. PULLEN

Wage determination and manpower allocation in union and nonunion labor markets. Implications of collective bargaining for such current issues as employment, inflation, national wage policy, and nonwage conditions of work. Formerly included in Economics 361, 362.

Prerequisite: Economics 141, 142. *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 141, 142. *Three or four credit hours.*

374
AMERICAN ECONOMIC HISTORY
R. 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 141, 142. *Three or four credit hours.*

381, 382
INTERNATIONAL ECONOMICS
R. 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 141, 142. *Three or four credit hours.*

393
INTRODUCTION TO
ECONOMETRICS
R. HANNA

Applications of basic mathematical and statistical concepts to economic analysis. Model building: specifications, estimations, tests, and forecasting. Quantitative tools and the links between economic prior and posterior decisions.

Prerequisite: Economics 141, 142. *Three credit hours.*

[394]
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 estimating techniques.

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

411
HISTORY OF ECONOMIC
THOUGHT
R. 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 141, 142 and senior standing. *Three credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

Independent study devoted to a topic chosen by the student with the approval of the department. Students may be invited by the department to prepare a thesis in the second term, successful completion and defense of which will result in the degree being awarded "with honors in economics."

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

494
SENIOR SEMINAR
MR. HANNA

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

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

Education

213
SOCIOLOGY OF EDUCATION
MR. JACOBSON

An introduction to education, focusing on human relationships. Open to prospective teachers; required for teaching recommendation. See also Education 253.

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

252
DEVELOPMENTAL PSYCHOLOGY
MR. ZOHNER

Listed as Psychology 252 (*q.v.*). Required for certification. *Three credit hours.*

253, 254
FIELD EXPERIENCE IN
EDUCATION
MRS. PESTANA

One hour daily to be served as an assistant teacher in a local elementary school. 253 required for teaching recommendation. May not be included in basic 105 graded hours required for graduation. Nongraded.

Prerequisite: Concurrent enrollment in Education 213 or Psychology 252 and permission of the instructor. *One credit hour.*

333
PHILOSOPHY OF EDUCATION
MR. HUDSON

Listed as Philosophy 333 (*q.v.*). Required for certification. Also Education 353. *Three credit hours.*

EDUCATION
HISTORY OF AMERICAN
JACOBSON

The history of American public elementary and secondary schools. Open to prospective teachers; required for certification.
Prerequisite: Permission of the instructor. *Three credit hours.*

EDUCATION
AMERICAN PHILOSOPHY

352] Listed as Philosophy 352 (*q.v.*). *Three credit hours.*

EDUCATION
FIELD EXPERIENCE IN
PESTANA

354 One hour daily to be served as an associate teacher in a local junior high school. 353 required for teaching recommendation. May not be included in basic 105 graded hours required for graduation. Nongraded.
Prerequisite: Concurrent enrollment in Philosophy 333 or Education 336 and permission of the instructor. *One credit hour.*

EDUCATION
TEACHING INTERNSHIP
JACOBSON

442 The teaching-learning process. Open to prospective secondary-school teachers with commonly taught majors. These courses and full-time teaching internship during January required for certification. See also Education 453. Nongraded.
Prerequisite: Permission of the instructor. *Three credit hours.*

EDUCATION
FIELD EXPERIENCE IN
JACOBSON

454 One hour daily to be served in a local high school. 453 required for teaching recommendation. May not be included in basic 105 graded hours required for graduation. Nongraded.
Prerequisite: Concurrent enrollment in Education 441 or 442 and permission of the instructor. *One credit hour.*

EDUCATION
INDEPENDENT STUDY
OFF

492 Independent study of advanced topics and areas of individual interest in research and development.
Prerequisite: Permission of the instructor. *One to three credit hours.*

English

Unless otherwise specified, English 152 and permission of the instructor are prerequisite to any English course numbered 200 or higher.

ENGLISH FUNDAMENTALS
OFF

112, 113, 114 Tutorial aid and intensive drill in the fundamentals of written English for those whose native language is not English or whose training in English is limited. Nongraded.

Prerequisite: Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111, 112, 113, 114. *Three credit hours.*

115 ENGLISH COMPOSITION MS. FERSTER AND STAFF	Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for freshmen unless exempt. <i>Three credit hours.</i>
117, 118 CREATIVE WRITING MR. MIZNER AND INSTRUCTOR	Introduction to the writing of poetry and fiction, with emphasis on student manuscripts. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i>
152d INTRODUCTION TO LITERATURE MR. MACKAY AND STAFF	Poetry, prose, and drama from different times and cultures. Topics and texts will vary from section to section, but all sections will emphasize close reading and detailed analysis of imaginative literature. <i>Prerequisite:</i> English 115 or exemption. <i>Three credit hours.</i>
171 GENERAL SPEECH MR. WITHAM	Fundamental principles of the composition and oral delivery of speeches. Enrollment limited. <i>Two credit hours.</i>
215d2 ADVANCED EXPOSITORY WRITING MR. KOONCE	Rhetorical principles and characteristics of style in the works of outstanding prose writers. Frequent exercises in imitation supplement a considerable amount of original composition. <i>Prerequisite:</i> English 115 and permission of the instructor. <i>Three credit hours.</i>
217 INTERMEDIATE FICTION WORKSHOP MR. GILLESPIE	Practice in the writing of short stories, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i>
218 INTERMEDIATE POETRY WORKSHOP MR. GILLESPIE	Practice in the writing of poetry, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 117 or 118 or permission of the instructor. <i>Three credit hours.</i>
221, 222 MAJOR BRITISH WRITERS	An introduction to British literature, with emphasis on detailed analysis and comparative readings, and some attention to

1 ARCHIBALD, MR. MACKAY,
D MR. SWENEY various methods of inquiry and attempts at understanding. First semester: Beowulf through Milton; second semester: Dryden to the beginnings of the modern movement. *Three credit hours.*

1d
1 MAJOR AMERICAN AUTHORS
2 BASSETT, MR. BRANCACCIO,
D MS. WYMAN An introduction to American literature, with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. *Three credit hours.*

2d
1 INTRODUCTION TO AMERICAN
D STUDIES
2 BASSETT AND
1 BRANCACCIO A selected aspect of American thought and culture, employing tools of other academic disciplines to supplement the basic literary orientation of the course. May be repeated once for added credit with permission of the department. *Three credit hours.*

1
1 ARGUMENTATION AND DEBATE
1 WITHAM Principles of argumentation, with application in extended persuasive speeches and formal debate.
Prerequisite: English 171 or permission of the instructor. *Three credit hours.*

7, 298
1 SELECTED TOPICS
D AFF Subjects and inquiries not otherwise offered by the department, mostly in response to student initiative and varying in method and format. Students wishing to initiate such a course should formulate a coherent proposal at least one semester in advance, secure the approval of an instructor, and see the chairman of the department. *One to three credit hours.*

1
1 MIDDLE AGE LITERATURE
D MACKAY *Beowulf* and other old English elegiac and heroic poetry, *Sir Gawain and the Green Knight*, old and middle English religious and secular lyrics, and *The Canterbury Tales*. *Three credit hours.*

2
1 THE RENAISSANCE
D BENBOW The influence of Renaissance and Reformation thought on the literature of the English Renaissance. Readings will be drawn from the intellectual backgrounds, Spenser, selected plays of the early sixteenth century and of Marlowe, Kyd, Shakespeare, Tourneur, and Webster. *Three credit hours.*

3
1 THE SEVENTEENTH CENTURY
D KOONCE Poetic and intellectual traditions in the late sixteenth and seventeenth centuries as represented by Shakespeare, Donne, Milton, Dryden, and selected minor poets. *Three credit hours.*

<p>334d1 THE EIGHTEENTH CENTURY MR. SWENEY</p>	<p>Selected works by Pope, Swift, Johnson, Blake and other poets, essayists, novelists, and dramatists of the century. <i>Three credit hours.</i></p>
<p>335 THE ROMANTIC PERIOD MR. MIZNER</p>	<p>Representative poems of the major Romantic poets, with ancillary readings in the novel and the drama designed to explore and to test the political, conceptual, and imaginative coherence of Romanticism and its relationship to earlier literature. <i>Three credit hours.</i></p>
<p>336d1 THE VICTORIAN PERIOD MISS CURRAN</p>	<p>The world of early and mid-Victorian England — roughly 1830-1870 — and of the poetry, fiction, and nonfiction through which it reflected and interpreted itself. Authors will include Carlyle, Tennyson, Browning, Thackeray, Dickens, and Arnold. <i>Three credit hours.</i></p>
<p>337 MODERN BRITISH LITERATURE MR. ARCHIBALD</p>	<p>The origins, nature, and achievements of the modern movement in England and Ireland. Authors in 1974-75 will be Hardy, Yeats, Eliot, Conrad, Lawrence, and Joyce. <i>Three credit hours.</i></p>
<p>338 CONTEMPORARY LITERATURE MR. GILLESPIE</p>	<p>A survey of poetry written in English from 1940 to the present, emphasizing poets who best represent the kinds of poetry of this period — objectivism, projectivism, confessional poetry, the decentered image, etc. <i>Three credit hours.</i></p>
<p>351 EARLY AMERICAN AUTHORS INSTRUCTOR</p>	<p>Selected prose and poetry from the Puritan period, the Age of Reason, and the pre-Romantic movement in American literature. <i>Three credit hours.</i></p>
<p>352d1 THE AMERICAN RENAISSANCE MR. CARY</p>	<p>The major works of Emerson, Thoreau, and Whitman. <i>Three credit hours.</i></p>
<p>353d2 REALISM AND NATURALISM MR. BRANCACCIO</p>	<p>In alternate years different approaches will be taken to this course. In 1974-75, emphasis will be on lectures focusing on the development of fictional techniques in America during the late nineteenth and early twentieth centuries. Readings will be drawn from Twain, Crane, James, Howells, Dreiser, and London. In 1975-76, the approach to the material will be more experimental. The aim will be to explore works of fiction through technique.</p>

of drama — readings, improvisation, body movement, scenic analysis, and performance. The course will also experiment with the open classroom, away from lecture and discussion and toward the cooperative spirit of a performance group. May be repeated once for added credit with permission of the department. *Three credit hours.*

2
3
ERN AMERICAN LITERATURE
BASSETT

Lectures on major twentieth-century American authors, chiefly writers of fiction, including Faulkner, Fitzgerald, Hemingway, O'Neill, Steinbeck, W. C. Williams, Mailer, Bellow, Barth, and others, emphasizing the pattern of experience of the hero in conflict with the modern world. *Three credit hours.*

12
CK AMERICAN LITERATURE
RUCTOR

The writings of Black Americans, with emphasis on autobiography, fiction, and poetry of the twentieth century. *Three credit hours.*

ION I
SUTHERLAND

Representative British novels of the eighteenth and early nineteenth centuries by such writers as DeFoe, Richardson, Fielding, Smollett, Sterne, Lewis, and Peacock. *Three credit hours.*

ION II
CURRAN

The British novel from Jane Austen through the 1930's. *Three credit hours.*

3
E DEVELOPMENT OF
AMATIC ART I
SUSS

Discussion of typical plays of the western world in the context of conditions and conventions of performance from Greek and Roman times through the Middle Ages and the early Renaissance. *Three credit hours.*

4
E DEVELOPMENT OF
AMATIC ART II
SUSS

A sequel to English 373, from the later Renaissance through the neoclassic and Romantic periods to the beginnings of realism in the nineteenth century. There will be a brief collateral examination of the theatre of the Orient. *Three credit hours.*

75]
ODERN DRAMA I

Discussion of typical plays of Europe and America in the context of conditions and conventions of performance, emphasizing the works of Ibsen, Chekhov, and Strindberg. *Three credit hours.*

76]
ODERN DRAMA II

A sequel to English 375, emphasizing plays of the contemporary American and French theatres. The concepts of modern theatre

theoreticians and practitioners like Antonin Artaud and Jerzy Grotowski will be examined collaterally. *Three credit hours.*

377
LITERARY CRITICISM
MS. FERSTER

A range of modern critical methods will be examined in order to understand their assumptions and their implications for the nature and function of literary art. It will include the study of critical schools, such as New Criticism and Marxist criticism; major figures, such as Kenneth Burke and Erich Auerbach; and topics that can be seen from several perspectives, such as literary "realism." Critical readings will be paired with works of literature and members of the class may try out various approaches to writing of their own choosing. *Three credit hours.*

*378
HISTORY OF THE ENGLISH
LANGUAGE
MR. MACKAY

A brief study of the mechanism of speech — primarily to explore the connections between western European Romance and Germanic languages — followed by an examination of the major historical, social, literary, and linguistic reasons for changes in the sound, grammar, spelling, inflection, syntax, and vocabulary of the language from the Anglo-Saxon period to modern American English. *Three credit hours.*

†[383, 384]
STUDIES IN SHAKESPEARE

Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. English 383 and 393 may not both be taken for credit.

Prerequisite: English 221. *Three credit hours.*

391d2
CHAUCER
MS. FERSTER

The works of Chaucer, ranging from some of the early dramatic divisions to *Troilus and Criseyde* and some of the *Canterbury Tales*, emphasizing the relationship between his ideas and the various poetic forms and techniques he used to develop them. *Three credit hours.*

†[392]
SPENSER

The poetry of Spenser, with particular attention to *The Faerie Queene* and the problem of Renaissance epic. *Three credit hours.*

*393
INTRODUCTION TO SHAKESPEARE
MR. BENBOW

Lectures on the major comedies, histories, and tragedies selected to cover Shakespeare's career and to illustrate the nature of Shakespearean drama. English 383 and 393 may not both be taken for credit. *Three credit hours.*

*394
MILTON
MR. KOONCE

The poetry and major prose of John Milton. *Three credit hours.*

-
- 5
BLAKE
SUTHERLAND
- A wide selection of Blake's major literary works, with consideration of the visual as well as the verbal aspects of Blake's art. *Three credit hours.*
-
- 6
AMERICAN WRITERS
CARY
- In 1974-75, the major works of Poe, Melville, and Hawthorne. *Three credit hours.*
-
- 7
THE TEACHING OF ENGLISH
S. PESTANA AND STAFF
- Tutorials with individual members of the department about current issues, problems, and methods in the teaching of English. Students and tutors will plan each student's practice teaching, and the tutor will occasionally visit his or her classroom. Non-graded.
Prerequisite: Concurrent enrollment in Education 441 or permission of the instructor. *Three credit hours.*
-
- 7
ADVANCED POETRY WORKSHOP
GILLESPIE
- Practice in the writing of poetry, with major emphasis on student manuscripts.
Prerequisite: English 217 or 218 or permission of the instructor. *Three credit hours.*
-
- 8
ADVANCED FICTION WORKSHOP
GILLESPIE
- Practice in the writing of short stories and longer fiction, with major emphasis on student manuscripts.
Prerequisite: English 217 or 218 or permission of the instructor. *Three credit hours.*
-
- 9
DRAMA AND SOCIETY
R. KOONCE
- Relationships between social realities and dramatic expression during two periods of rapid social and artistic change — the later Renaissance and the first half of the twentieth century. Major emphasis will be on the development of Renaissance comedy and tragedy and the development of the theater of the absurd. *Three credit hours.*
-
- 10
ELIZABETHAN LONDON
R. BENBOW
- Elizabethan urban society, its economic, political, and social structures, with an attempt to see how literature responded to the concerns of preindustrial England. Readings will include primary historical and literary documents as well as secondary studies such as Laslett's *The World We Have Lost* and Tawney's *Acquisitive Society*. *Three credit hours.*
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- [433]
RESTORATION LITERATURE
- The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. *Three credit hours.*

436 ITALIAN FICTION AND FILM MR. BRANCACCIO	The fall of fascism and postwar Italy as interpreted by Italian writers and film makers. Readings in translation will be drawn from the works of Levi, Silone, Pavese, Vittorini, Lampedusa, and Calvino. Films will include work by Rossellini, Fellini, Antonioni, Visconti, and others. <i>Three credit hours.</i>
437 THE LITERATURE OF EXISTENTIALISM MR. MIZNER	Readings in the novels and drama of Russia, Germany, France, and the United States. <i>Three credit hours.</i>
472 ORAL INTERPRETATION MR. SUSS	Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Consent of a project adviser and permission of the chairman. <i>One to three credit hours.</i>
493, 494 SEMINARS IN BRITISH AND AMERICAN LITERATURE STAFF	Topics will change each semester, and a complete description will be published before registration. In 1974-75, topics will include "Eighteenth-Century Comedy and Satire," "The Novel of Mann in America," "The Plays of W. B. Yeats," " <i>Ulysses</i> and <i>Finnegans Wake</i> ," "Ezra Pound and His Contemporaries," "Joseph Conrad," "The Imaginary Landscapes of Hardy and Faulkner," and "The Relationship between the Sexes in Literature." <i>Three credit hours.</i>
497, 498 SELECTED TOPICS STAFF	See the description for English 297, 298. This course is for more advanced work. <i>One to three credit hours.</i>

Environmental Studies

491, 492 INDEPENDENT STUDY STAFF	Individual study of special problems in environmental studies areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor and the program director. <i>One to four credit hours.</i>
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French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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

112
ELEMENTARY FRENCH
F

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

114
INTERMEDIATE FRENCH
F

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

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

115
LITERARY AND CULTURAL PHONETICS
FERGUSON

Phonetic analysis and transcription, using the international phonetic alphabet as applicable to French. Taped and printed exercises will focus on individual handicaps. The goal of the course is correct oral interpretation of prose text in French. Enrollment limited to ten. Nongraded.

Prerequisite: Concurrent enrollment in any-level French course or previous training equivalent to one year of college French; preference given to the former. *Two credit hours.*

126
INTRODUCTION TO FRENCH LITERATURE
FERGUSON

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.*

127
ADVANCED FRENCH
FERGUSON

An advanced review of grammar with practice in oral expression and written composition. Required for French majors unless exempted by examination. Enrollment limited.

	<i>Prerequisite:</i> French 114 and permission of the instructor. <i>Three credit hours.</i>
223, 224 FRENCH CIVILIZATION MR. BIRON	A history of French society and its culture from the Middle Ages to the present. Supplementary readings in French literature and examples of social or intellectual attitudes. <i>Prerequisite:</i> French 126. <i>Three or four credit hours.</i>
231, 232 THEMES IN FRENCH LITERATURE MR. FERGUSON	Thematically grouped works of major French authors and critical and background materials. <i>Prerequisite:</i> French 126 or equivalent. <i>Three or four credit hours.</i>
261, 262 FRENCH MASTERPIECES IN TRANSLATION MR. BUNDY AND MR. REITER	Selected masterpieces of French literature studied in English translation. For 1974-75: "The French Novel." First semester: novels of the seventeenth, eighteenth, and nineteenth centuries. Second semester: novels of the twentieth century. May be repeated for credit when topic varies; does not count toward the major in French. <i>Prerequisite:</i> One semester of literature at the college level. <i>Three or four credit hours.</i>
†[337] FRENCH ROMANTICISM	Study of the Romantic movement in France, with particular emphasis on the poetry of Lamartine, Vigny, Musset, and Hugo. <i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
†[338] BAUDELAIRE AND THE SYMBOLISTS	Study of <i>Les Fleurs du mal</i> and some of the critical writing on Baudelaire, as well as the poetry of Verlaine, Rimbaud, Mallarmé, and Valéry. <i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
†[341, 342] THE SEVENTEENTH CENTURY	The major authors of the seventeenth century with particular emphasis on the classical period of Louis XIV. Supplementary readings in the social and intellectual background of the period. <i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
343, 344 FRENCH THOUGHT OF THE EIGHTEENTH CENTURY MR. KELLENBERGER	The philosophical movement in France, with particular attention to Montesquieu, Voltaire, Diderot, and Rousseau. Literary history of the age, with readings of works by Marivaux, Beaumarchais, Prévost, and Chénier.

		<i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
348 NINETEENTH-CENTURY FEL BUNDY	The major novelists of the nineteenth century, with special emphasis on Stendhal, Balzac, Flaubert, and Zola.	<i>Prerequisite:</i> French 231 or 232. <i>Three or four credit hours.</i>
FR WEISS	The writings of selected authors of French Canada, with emphasis on the contemporary novel.	<i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
REALISM FILOSOF	The surrealist movement and some of the major figures who participated in its literary adventure.	<i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
ENTIETH-CENTURY THEATRE WEISS	A survey of important dramatic works in France since the turn of the century. Plays will be read as theatre to be performed rather than as literature.	<i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
1, 382] ENTIETH-CENTURY NOVEL	Critical readings in some of the major novelists of France from Proust to Robbe-Grillet.	<i>Prerequisite:</i> French 231 or 232 or permission of the instructor. <i>Three or four credit hours.</i>
CHING OF MODERN EIGN LANGUAGES BIRON	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 231 or 232. <i>Three credit hours.</i>
ANCED COMPOSITION AND LISTICS BIRON	Characteristics of French style as seen in various authors. Representative readings and free composition, with some work in the history of the language.	<i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
492 DEPENDENT STUDY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.	

STAFF

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

[493, 494]
SEMINAR IN FRENCH
LITERATURE

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

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

499d
LANGUAGE TEACHING
STAFF

Directed practice in conduct of introductory language course. Open to a limited number of students enrolled in French. May not be included in basic 105 hours required for graduation. Nongraded. *Two credit hours.*

Geology

121e, 122
INTRODUCTION TO
GEOLOGICAL SCIENCE I¹
INSTRUCTOR

The physical and biological evolution of the earth, with emphasis on mechanisms and processes. Lecture. *Three credit hours.*

141e, 142
INTRODUCTION TO
GEOLOGICAL SCIENCE II¹
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. Lecture and laboratory. *Four credit hours.*

161e, 162
PROBLEMS IN GEOLOGY¹
STAFF

A study of selected major problems under active investigation about which there is disagreement among competent scholars. At least one problem each semester involves extensive individual laboratory or field investigation. Not an introduction to geological 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. Satisfies laboratory science distribution requirement. *Three credit hours.*

172
OCEANOGRAPHY I

A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition

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

PESTANA
of the ocean and its floor; tides, currents, and other important dynamic features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. Lecture. Formerly listed as Geology 112. *Three credit hours.*

GEOMORPHOLOGY II
PESTANA
Course 172, supplemented by laboratory experience and by a field trip to the seashore. Enrollment limited to 25 students. Formerly listed as Geology 114. *Four credit hours.*

SEDIMENTATION
PESTANA
Processes of sedimentation, methods of analysis of sediments, the description and interpretation of environments of deposition, and the classification and description of sedimentary rocks. Lecture and laboratory. Formerly listed as Geology 212.
Prerequisite: Geology 122 or 142 or 161, 162 or permission of the instructor. *Four credit hours.*

14]
ROCKS IN HAND SPECIMEN
Identification and description of rocks in hand specimen, and study of the modes of formation. Igneous, sedimentary, and metamorphic rocks are considered systematically. Field occurrences will be emphasized whenever possible. May not be taken for credit in addition to Geology 321, 322. Lecture and laboratory.
Prerequisite: Geology 122 or 142 or 161, 162 (may be taken concurrently). *Four credit hours.*

1, 222
TOPIC INTERPRETATION AND
GEOMORPHOLOGY OF THE
UNITED STATES
INSTRUCTOR
Origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States. Lecture and laboratory.
Prerequisite: Geology 122 or 142 or 161, 162. *Three credit hours.*

1, 242
GEOLOGIC STRUCTURES AND
FIELD METHODS
ALLEN
Analysis of rock structures and their significance, and techniques of field mapping. Lecture and laboratory.
Prerequisite: Geology 122 or 142 or 161, 162. *Four credit hours.*

INVERTEBRATE PALEONTOLOGY
PESTANA
Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory.
Prerequisite: Geology 122 or 142 or 162 or one year of biology. *Four credit hours.*

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- 252
MICROPALAEONTOLOGY
MR. PESTANA
- A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation.
Prerequisite: Geology 251 or permission of the instructor. *One to three credit hours.*
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- 254
ADVANCED INVERTEBRATE
PALEONTOLOGY
MR. PESTANA
- A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, determination, and environmental interpretation.
Prerequisite: Geology 251 or permission of the instructor. *One to three credit hours.*
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- †[271]
GLACIAL GEOLOGY
- The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned. Lecture and laboratory.
Prerequisite: Geology 122 or 142 or 162. *Three credit hours.*
-
- 281, 282
MINERALOGY
MR. ALLEN
- Physical properties and chemical structure of minerals leading to investigation of the chemical composition and optical properties of minerals with the petrographic microscope and emission spectrograph. Lecture and laboratory.
Prerequisite: Chemistry 141 (may be taken concurrently) or permission of the instructor. *Four credit hours.*
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- †[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. Lecture. *Two credit hours.*
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- †[321, 322]
IGNEOUS AND METAMORPHIC
PETROLOGY
- Hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. May be taken for credit in addition to Geology 282. Lecture and laboratory.
Prerequisite: Geology 282. *Four credit hours.*
-
- *352
STRATIGRAPHY
MR. PESTANA
- Principles of stratigraphy. Includes a study of the relationships and correlation of sedimentary rocks. Laboratories include work with index fossils and a detailed analysis and correlation of samples. Lecture and laboratory.

Prerequisite: Geology 211, and Geology 251 or Biology 313.
Four credit hours.

1, 492
DEPENDENT STUDY
AFF

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

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

German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

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

1, 112
ELEMENTARY GERMAN
AFF

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

3, 114
INTERMEDIATE GERMAN
AFF

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.*

7, 118
INTENSIVE INTERMEDIATE
GERMAN
R. KUETER

Review of basic grammar, with continued practice in recognizing and using German patterns. Intensive reading of short stories, with emphasis on vocabulary building, supplemented with laboratory drills. German 117 alone does not satisfy the college language requirement.

Prerequisite: German 111, 112 with grade of *B* or higher, or equivalent. *Four credit hours.*

1, 142
COMPOSITION AND
CONVERSATION
AFF

A study of German grammatical patterns and idioms based on contemporary German publications, practice in written and oral German, required listening assignments in language laboratory. Formerly listed as German 131, 132.

Prerequisite: German 114 or 118 or permission of the instructor. *Three credit hours.*

<p>225, 226 INTRODUCTION TO GERMAN LITERATURE MRS. FERGUSON</p>	<p>Selected readings in German literature designed to improve comprehension, speaking, and reading. Second semester: an introduction to representative works of the last 200 years, emphasizing short analytical papers and class discussion. <i>Prerequisite: German 114. Three or four credit hours.</i></p>
<p>343, 344 GERMAN LITERATURE OF THE EIGHTEENTH CENTURY MR. KUETER</p>	<p>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: German 226. Three or four credit hours.</i></p>
<p>345, 346 GERMAN LITERATURE OF THE NINETEENTH CENTURY MR. SCHMIDT</p>	<p>The first semester will concentrate on two major literary movements, idealism and Romanticism, and the theme of "Man's Awareness of Self." The second semester continues the theme; it deals with realism and the growing national consciousness. <i>Prerequisite: German 226 or permission of the instructor. Three or four credit hours.</i></p>
<p>†[347, 348] THE METAPHYSICAL ESTRANGEMENT OF MAN IN MODERN GERMAN LITERATURE</p>	<p>Selections from the era of Gerhart Hauptmann's naturalism and that of Heinrich Böll's social criticism will be read and discussed in an attempt to discover the effects that man's metaphysical estrangement has produced upon the individual and upon the society in which he lives. The readings may consist of drama, prose, and poetry, or the semester may be spent entirely on one specific genre. <i>Prerequisite: German 226 or equivalent. Three or four credit hours.</i></p>
<p>[352] THE GERMAN NOVEL SINCE THE SEVENTEENTH CENTURY</p>	<p>Four novels, one from each century since the seventeenth, and each reflecting the historical, cultural, and intellectual climate of its era, will be studied and discussed in depth. <i>Prerequisite: German 226 or permission of the instructor. Three or four credit hours.</i></p>
<p>411 TEACHING OF MODERN FOREIGN LANGUAGES MR. BIRON</p>	<p>Problems and methods of teaching German. Readings, discussion, practice work, and criticism. Some attention is also directed toward the FLES program. Counts as three hours in education toward the Maine Secondary School Teaching Certificate. Conducted in English. Nongraded. <i>Prerequisite: German 226 or equivalent. Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.</p>

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

494
MINAR IN GERMAN
ERATURE
SCHMIDT AND
KUETER
Topics may vary from year to year, and may cover an author, a genre, or a literary movement. In 1974-75, the topic for 493 will be "Goethe's *Faust*"; the topic for 494 will be "Medieval German Literature."

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

Language Teaching
FF Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in German 411. May not be included in basic 105 hours required for graduation. Nongraded. *Two credit hours.*

Government

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

132
RODUCTION TO THE STUDY
THE POLITICAL ORDER
FF 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.*

RODUCTION TO THE
ADDITIONAL POLITICAL
STEMS OF EAST ASIA
TRUCTOR An analysis of the political institutions of China and Japan in the premodern period. These will be explored as examples of political structures that evolved almost entirely outside of western influence and as systems which continue to be factors in the shaping of modern East Asian politics and institutions. *Three credit hours.*

IE CHINESE REVOLUTION
TRUCTOR China will be used as a case study to explore the following questions: conditions under which a political system survives or collapses, reform and revolution as alternative courses of action, conditions under which revolution succeeds, the effect of the transfer of western institutions and ideologies to a nonwestern culture. *Three credit hours.*

ROPEAN POLITICS
SACKS Britain, France, and West Germany viewed in terms of the relationship between political culture and political structure. *Three credit hours.*

<p>239 POLITICS AND GOVERNMENT IN THE PEOPLE'S REPUBLIC OF CHINA INSTRUCTOR</p>	<p>The political process as it operates in a revolutionary regime. Special emphasis will be placed on the interplay of Maoist theory and practice, the role of the Communist Party in the political structure, the locus of power, and the dynamics of the decision-making process. <i>Three credit hours.</i></p>
<p>257 AMERICAN GOVERNMENT AND POLITICS: THE EXECUTIVE- LEGISLATIVE CONFLICT MR. MAISEL</p>	<p>The relationship between the executive and legislative branches from theoretical and historical perspectives as well as in the light of current discussion, centering around assertions of presidential powers and prerogatives and congressional efforts to exercise effective control over governmental decision making. <i>Three or four credit hours.</i></p>
<p>314 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC</p>	<p>The United States Supreme Court and constitutional litigation as part of the American political process. <i>Four credit hours.</i></p>
<p>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>334 CONTEMPORARY FORMS OF POLITICAL ANALYSIS MR. SACKS</p>	<p>The principal approaches to political analysis used by contemporary political scientists. Particular attention is given to the application of these approaches to the study of comparative political institutions. Government 321 is recommended as a preliminary to this course. Formerly listed as Government 334. <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 development. <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>

3 INTERNATIONAL LAW WEISSBERG	The body of rules and principles of behavior that govern states in their relations with each other, as illustrated in cases and texts. <i>Three credit hours.</i>
52d1 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>
5d2 POLITICAL BEHAVIOR MAISEL	The relationship between citizens and their government, emphasizing the behavior of interest groups and others who organize to affect governmental action. The relationship between individual citizens and the government will also be discussed. <i>Three credit hours.</i>
356] PARTIES AND THE ELECTORAL PROCESS	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>
357] FRENCH POLITICS	An analysis of the fundamentals of French politics. <i>Three credit hours.</i>
58] BRITISH POLITICS	An analysis of the political institutions of Great Britain and Northern Ireland, with some attention to current problems, such as entry into the common market, the racial issue, and unrest in Ulster. <i>Prerequisite:</i> Government 234 or permission of the instructor. <i>Three credit hours.</i>
371] EAST ASIAN POLITICAL THOUGHT	Analysis of works by leading political thinkers of China, from Confucius to Mao Tse-tung, and of Japan in the nineteenth and twentieth centuries. <i>Three credit hours.</i>
376] CHINESE FOREIGN POLICY	An examination of the foreign policies of the People's Republic of China in terms of the interplay of national interests, ideology, and the revolutionary experience of the Chinese Communist Party. The underlying assumptions and objectives of Chinese policy towards the United States, the Soviet Union, and Africa will be particularly explored. Open to sophomores with permission of the instructor. <i>Three credit hours.</i>

[377]

SPECIAL PROBLEMS IN LOCAL
GOVERNMENT

Problems vary from year to year, but the general orientation is a theoretical consideration of the local government process as a part of the general political process in a society. Generally, 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. *Three credit hours.*

*391

THE AMERICAN BUREAUCRAT
MR. MAVRINAC

The context within which the professionals staffing the executive branch of the American national government work: personnel policies, operating codes, and operating techniques in the national bureaucracy. An analysis will be made within an understanding of the bureaucratic phenomenon as such. *Three credit hours.*

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 393. *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.*

435

SEMINAR IN AMERICAN
NATIONAL GOVERNMENT AND
POLITICS
MR. MAISEL

The American national government as organization and procedure 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.*

[438]

SEMINAR IN CONTEMPORARY
POLITICAL PROBLEMS

An examination of the relationship between the government and the press in the United States today.

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

457

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.*

8
SEMINAR ON THE UNITED
NATIONS
WEISSBERG

Conducted in the form of a political or judicial organ of the United Nations. Case studies will be presented and analyzed, each participant assuming the role of a representative of the nation-state that is involved in the dispute. In 1974-75, this seminar will focus on the International Court of Justice.

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

SEMINAR IN EAST ASIAN
GOVERNMENT
INSTRUCTOR

Problems in the political thought and institutions of China. The general topic to be explored each year will be chosen jointly by participating students and the instructor.

Prerequisite: At least one course on China or permission of the instructor. *Three credit hours.*

1, 492
DEPENDENT STUDY
AFF

A study of government through individual projects.

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

Greek

IN THE DEPARTMENT OF CLASSICS

1
INTRODUCTORY GREEK
INSTRUCTOR

Introduction to Homeric Greek. *Four credit hours.*

2
INTERMEDIATE GREEK
R. WESTERVELT

Readings in Homer's *Iliad*. Does not satisfy college language requirement. *Four credit hours.*

1
INTRODUCTION TO GREEK
LITERATURE
R. WESTERVELT

The Odyssey of Homer. Three credit hours.

2
CLASSIC PROSE
R. KOONCE

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

†[254] ATTIC POETRY	Euripides. <i>Three or four credit hours.</i>
†[351] GREEK LITERATURE	Thucydides. <i>Three or four credit hours.</i>
[352] GREEK LITERATURE	Sophocles. <i>Three or four credit hours.</i>
†[353] GREEK LITERATURE	Demosthenes. <i>Three or four credit hours.</i>
*355 GREEK LITERATURE INSTRUCTOR	Herodotus. <i>Three or four credit hours.</i>
*356 GREEK LITERATURE MRS. KOONCE	Plato. <i>Three or four credit hours.</i>
*414 SEMINAR STAFF	Aristophanes. <i>Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Reading in a field of the student's interest, with essays and conferences. <i>One to three credit hours.</i>
†[493] SEMINAR	Aeschylus. <i>Three credit hours.</i>

History

IN THE DEPARTMENT OF HISTORY AND GOVERNMENT

131, 132 INTRODUCTION TO HISTORY STAFF	The several sections provide varied approaches to methods historical analysis. Recent examples have been: dynamics revolution, humanism, twentieth-century France, modern E
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rope, contemporary American society. A description of work proposed for each section is available at registration. Limited to freshmen. *Three credit hours.*

134
 INTRODUCTION TO THE HISTORY
 OF EAST ASIA
 W. 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, cross-cultural encounters, reform and revolution. *Three credit hours.*

222
 HISTORY OF EAST ASIAN
 CIVILIZATION
 W. 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: Chinese and Japanese reactions to western stimuli in the nineteenth and twentieth centuries, the problems of wealth and power, and the trials of revolution and war. *Three credit hours.*

224
 SURVEY OF UNITED STATES
 HISTORY
 R. 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. *Three credit hours.*

231
 MEDIEVAL CIVILIZATION,
 6-1300

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

232
 RENAISSANCE AND
 REFORMATION, 1300-1648

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

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

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

8
 BRITAIN SINCE 1867
 R. GILLUM

Britain from the Age of Imperialism through the era of World Wars and to the dissolution of the Empire. *Three credit hours.*

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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.*
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- 277
BLACK HISTORY I
MR. FONER
- The history of the Black American and race relations from the African background to the 1830's. Formerly listed as History 297. *Three credit hours.*
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- †[278]
BLACK HISTORY II
- The history of the Black American and race relations from the 1830's through the Progressive Era, stressing emancipation, reconstruction, the New South, the Du Bois-Washington conflict, the Niagara Movement, and the rise of the NAACP. Formerly listed as History 298. *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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- 318
THE AGE OF THE BAROQUE
MR. ELISON
- Ideas, institutions, and representational forms of Europe in the early modern era: the sixteenth-century background, the age of the religious wars, the crisis of the seventeenth century, and the preliminary shaping of eighteenth-century conflict. *Three credit hours.*
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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 that existed among the major powers from 1815 to ca. 1875. The second semester will emphasize the extension of this system throughout the world in the development and waning of European hegemony from ca. 1875 to ca. 1945. Comparisons will be drawn between what purports to be the "old diplomacy" and the "new diplomacy" in the establishment of "concerts of power" for the maintenance of "peace."
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 and its evolution into the modern Commonwealth of Nations. *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. <i>Three credit hours.</i>
337 TUDOR-STUART ENGLAND MR. 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. <i>Three credit hours.</i>
341, 342 HISTORY OF RUSSIA AND THE USSR MR. RAYMOND	The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. <i>Prerequisite:</i> One year course or equivalent in history or government or permission of the instructor. <i>Three credit hours.</i>
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 that might explain what has often been called "the crisis of our age." <i>Prerequisite:</i> One year course or equivalent in history or permission of the instructor. <i>Three credit hours.</i>
353 MODERN FRANCE MR. BERSCHNEIDER	The theme of "Liberalism and the Challenge of Fascism" will be presented in analyzing and evaluating the currents of thought and action that have given character to republicanism in modern France. <i>Prerequisite:</i> One year course or equivalent in history or permission of the instructor. <i>Three credit hours.</i>
354 THE FRENCH REVOLUTION AND NAPOLEON MR. RAYMOND	European history from 1789 to 1815, with emphasis on political and social developments in France. <i>Prerequisite:</i> One year course or equivalent in history or government or permission of the instructor. <i>Three credit hours.</i>
356 MODERN GERMANY MR. GILLUM	The governmental and economic development and the international influence of Germany from 1848 to the present time. <i>Three credit hours.</i>
359 MODERN JAPANESE HISTORY MR. ELISON	The history of Japan from ca. 1800 to the present day, concentrating on problems of historiography and ideology. <i>Three credit hours.</i>

[363, 364]

CULTURAL HISTORY OF JAPAN

First semester: from the origins of the Japanese people to collapse of the Ashikaga Shogunate at the end of the fifteenth century. Second semester: the period of the Country at War, reunification of Japan at the end of the sixteenth century, Japan's progress in the Tokugawa realm of peace and seclusion. Institutional history is not neglected, but concentration is on literary, religious, and artistic manifestations of Japanese culture. Much emphasis is placed upon such special topics as the history of medieval Buddhism, the confrontation of Japanese and Jesuits, and the history of the Tokugawa popular theatre. Augmented credit possible, with permission of the instructor, for students with reading knowledge of Japanese. In 1974-75, 364d1 may be taken without 363. *Three or four credit hours.*

[372]

LOYALTY, SCIENCE, AND THE
UNITED STATES GOVERNMENT,
1945 TO PRESENT

A study of the role 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. Concentrated 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.*

[375]

AMERICAN COLONIAL HISTORY

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

[376]

THE ERA OF THE AMERICAN
REVOLUTION, 1763-1789

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

378] HISTORICAL INTRODUCTION TO
AMERICAN STUDIES: THE
UNITED STATES, 1824-1850
L. 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 appropriate section of English 252d1. Open to sophomore majors in American studies. *Three credit hours.*

378] THE UNITED STATES
1850-1880

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

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

379] BLACK HISTORY III
L. FONER

The history of the Black American and race relations from World War I to 1955, stressing the great migration, the Red Summer of 1919, the Garvey Movement, the Harlem Renaissance, Blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations. Formerly listed as History 399.

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

391] THE AMERICAN CIVIL WAR
R. RAYMOND

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

394] THE AMERICAN SOUTH,
1819-1861
R. 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
REPUBLIC, 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.*

†[414] SEMINAR IN JAPANESE HISTORY	Special topics in Japanese history. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
*416 SEMINAR IN AMERICAN HISTORY MR. KANY	Special topics in American history. In 1974-75, the seminar focus on colonial American history. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
418 SEMINAR IN EUROPEAN HISTORY MR. BERSCHNEIDER	Methods of research and a critical study of sources and documents in the history of the Crusades. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
†[432] SEMINAR IN BLACK HISTORY	Group discussion and individual reports based on readings and research on selected topics in Black history from 1955 to the present, including current ideologies and activities in the Black community. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
†[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 century. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	A study of history through individual projects. <i>Prerequisite:</i> History major and permission of the department chairman. <i>Three credit hours.</i>

Human Development

491, 492 INDEPENDENT STUDY STAFF	Individual study of special problems in human development in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor and the program director. <i>One to three credit hours.</i>
494 SEMINAR IN HUMAN DEVELOPMENT STAFF	An interdisciplinary seminar conducted by at least two members of the human development advising faculty. Required of senior majors in human development. <i>Three credit hours.</i>

Italian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

1
NOTE
KELLENBERGER

La Vita nuova, the *Inferno*, extensive selections from the *Purgatorio*, and the *Paradiso*, in English translation. No knowledge of Italian required.

Prerequisite: One semester of literature at the college level or permission of the instructor. *Three credit hours.*

2
ITALIAN LITERATURE OF THE
RENAISSANCE
KELLENBERGER

Readings in English translation from works of Italian Renaissance literature, including selections from *Il Canzoniere* of Petrarch, *Il Filostrato* and *Il Decamerone* of Boccaccio, *Il Cortegiano* of Castiglione, the *Orlando furioso* of Ariosto, the *Gerusalemme liberata* of Tasso, and *Mandragola* of Machiavelli. No knowledge of Italian required.

Prerequisite: One semester of literature at the college level or permission of the instructor. *Three credit hours.*

Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

1, 112
ELEMENTARY JAPANESE
INSTRUCTOR

Introduction to the modern language, with practice in reading, conversation, and writing. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

3, 114
INTERMEDIATE JAPANESE
INSTRUCTOR

Continued practice in the oral-aural skills. This and the review of grammar are supplemented by language laboratory and language tables.

Prerequisite: Japanese 112 or equivalent. *Four or five 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.*

152
THE MODERN JAPANESE NOVEL
IN TRANSLATION
INSTRUCTOR

Study of the major Japanese novelists: Tanizaki, Kawabata, Dazai, Mishima, and others. Special attention given to the development and amalgamation of "western" and more purely "Japanese" fictional techniques. *Three or four credit hours.*

153
AN INTRODUCTION TO EARLY
CHINESE AND JAPANESE
LITERATURES IN TRANSLATION
INSTRUCTOR

Representative works of prose, poetry, and theatre from the classical periods of Chinese and Japanese literatures. Topics include Chinese poetry, the classical Japanese novel, the Japanese No drama, the popular Chinese novel and popular Japanese fiction, poetry (the haiku and comic linked verse), and drama. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
STAFF

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

Latin

IN THE DEPARTMENT OF CLASSICS

111
INTENSIVE ELEMENTARY LATIN
MR. WESTERVELT

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

112
INTERMEDIATE LATIN
MR. WESTERVELT

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

113
INTRODUCTION TO LATIN
LITERATURE
MRS. KOONCE

Readings in Plautus. Does not satisfy college language requirement. *Three credit hours.*

232
INTRODUCTION TO LATIN
POETRY
INSTRUCTOR

Readings in Virgil's *Aeneid*. *Three or four credit hours.*

1 LATIN LITERATURE RS. KOONCE	Roman drama. <i>Three or four credit hours.</i>
51] LATIN LITERATURE	Lucretius. <i>Three or four credit hours.</i>
52] LATIN LITERATURE	Livy. <i>Three or four credit hours.</i>
53] LATIN LITERATURE	Roman elegy. <i>Three or four credit hours.</i>
354] LATIN LITERATURE	Cicero: selected speeches. <i>Three or four credit hours.</i>
355] LATIN LITERATURE	Roman satire. <i>Three or four credit hours.</i>
356 LATIN LITERATURE STRUCTOR	Cicero: letters. <i>Three or four credit hours.</i>
357] LATIN LITERATURE	Horace: <i>Odes</i> and <i>Ars Poetica</i> . <i>Three or four credit hours.</i>
358] LATIN LITERATURE	Tacitus. <i>Three or four credit hours.</i>
359] LATIN LITERATURE	Virgil: <i>Eclogues</i> and <i>Georgics</i> . <i>Three or four credit hours.</i>
71] LATIN LITERATURE	Terence. <i>Three or four credit hours.</i>
1, 492 DEPENDENT STUDY AFF	Reading in a field of the student's interest, with essays and conferences. <i>One to three credit hours by prior arrangement.</i>
494] MINAR	Virgil: <i>Aeneid</i> . <i>Three or four credit hours.</i>

Literature in Translation

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

133
MYTH AND LITERATURE
MR. WESTERVELT

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

152
THE MODERN JAPANESE NOVEL
IN TRANSLATION
INSTRUCTOR

Listed as Japanese 152 (*q.v.*). *Three or four credit hours.*

153
AN INTRODUCTION TO EARLY
CHINESE AND JAPANESE
LITERATURES IN TRANSLATION
INSTRUCTOR

Listed as Japanese 153 (*q.v.*). *Three or four credit hours.*

211
DANTE
MR. KELLENBERGER

Listed as Italian 211 (*q.v.*). *Three credit hours.*

212
ITALIAN LITERATURE OF THE
RENAISSANCE
MR. KELLENBERGER

Listed as Italian 212 (*q.v.*). *Three credit hours.*

232
GREEK TRAGEDY
MR. WESTERVELT

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

†[234]
THE HEROIC IDEAL IN EARLY
GREEK POETRY

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

261, 262
FRENCH MASTERPIECES IN
TRANSLATION
MR. BUNDY AND MR. REITER

Listed as French 261, 262 (*q.v.*).

Prerequisite: One semester of literature at the college level.
Three or four credit hours.

73 THE DEVELOPMENT OF
DRAMATIC ART I
t. SUSS

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

74 THE DEVELOPMENT OF
DRAMATIC ART II
t. SUSS

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

375] MODERN DRAMA I

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

376] MODERN DRAMA II

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

6 ITALIAN FICTION AND FILM
BRANCACCIO

Listed as English 436 (*q.v.*). *Three credit hours.*

7 THE LITERATURE OF
EXISTENTIALISM
R. MIZNER

Listed as English 437 (*q.v.*). *Three credit hours.*

Mathematics

37d NEAR ALGEBRA
AFF

Basic concepts and techniques of higher algebra that will be useful in further applications of mathematics. Systems of equations and matrices are used as vehicles for this study. Effective with the class of 1978, this course will not count toward the major requirements in mathematics. *Three credit hours.*

37d CALCULUS I
AFF

Elementary differential and integral calculus. *Three credit hours.*

37d CALCULUS II

Further study of differential and integral calculus, with selected applications.

STAFF	<i>Prerequisite: Mathematics 121. Four credit hours.</i>
212d1 CALCULUS III STAFF	A continuation of Calculus II. <i>Prerequisite: Mathematics 122. Four credit hours.</i>
221d CALCULUS III STAFF	An introduction to linear algebra, with applications to differential equations. <i>Prerequisite: Mathematics 122. Four credit hours.</i>
222d2 CALCULUS IV STAFF	Topics in multivariable calculus and a continuation of work on differential equations. <i>Prerequisite: Mathematics 221. Four credit hours.</i>
241d, 242 ELEMENTARY STATISTICS I AND II MR. HAYSLETT	Statistics I: descriptive statistics, elementary probability, the binomial and normal distributions, elementary sampling theory, tests of hypotheses, confidence intervals, nonparametric statistics, correlation. Applications are emphasized. Offered each semester. Statistics II: a continuation, including regression, analysis of variance, and time series. Offered second semester only. Neither course open to mathematics majors. <i>Prerequisite: Mathematics 121. 241: four credit hours; 242: two credit hours.</i>
†[243, 244] FINITE MATHEMATICS	Selected topics from modern mathematics useful in the biological and social sciences, including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Statistics is not treated but is offered in other courses. Not open to mathematics majors. <i>Prerequisite: Mathematics 113 or 121. Three credit hours.</i>
311d DIFFERENTIAL EQUATIONS MR. SHEPARDSON	Solutions of elementary differential equations and an introduction to partial differential equations. <i>Prerequisite: Mathematics 212. 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 definition of the integral theorems; and finite differences. <i>Prerequisite: Mathematics 311. Two credit hours.</i>
[316] THE LAPLACE TRANSFORM	Theory and applications of the Laplace transform. <i>Prerequisite: Mathematics 311. One credit hour.</i>

2 INTRODUCTORY NUMERICAL ANALYSIS AND PROGRAMMING SHEPARDSON	<p>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.</p> <p><i>Prerequisite:</i> Some programming experience, Mathematics 113 and 212 or permission of the instructor. <i>Three credit hours.</i></p>
2 COMPLEX VARIABLES COMBELLACK	<p>The arithmetic and calculus of complex numbers. The basic properties of analytic functions, including an introduction to residues and conformal mapping.</p> <p><i>Prerequisite:</i> Mathematics 212. <i>Three credit hours.</i></p>
1, 362 HIGHER ALGEBRA S. ZUKOWSKI	<p>Introduction to algebraic structures such as groups, rings, integral domains, fields, and related topics; further study of linear algebra.</p> <p><i>Prerequisite:</i> Mathematics 113 and 212. <i>Three credit hours.</i></p>
1, 382 MATHEMATICAL STATISTICS HAYSLETT	<p>Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, emphasis is on theory.</p> <p><i>Prerequisite:</i> Mathematics 212. <i>Three credit hours.</i></p>
01, 402] MATHEMATICS SEMINAR	<p>Discussion of topics in pure and applied mathematics. Nongraded.</p> <p><i>Prerequisite:</i> Senior standing in the mathematics major or a combined major including mathematics. <i>One credit hour for the year.</i></p>
1, 422 ADVANCED CALCULUS SMALL	<p>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.</p> <p><i>Prerequisite:</i> Mathematics 212 and senior standing or permission of the instructor. <i>Three credit hours.</i></p>
INTRODUCTION TO TOPOLOGY LIEBERMAN	<p>General topology, including such topics as elementary point set topology, mappings, and metric spaces.</p> <p><i>Prerequisite:</i> Mathematics 421, passed or taken concurrently. <i>Three credit hours.</i></p>

432 HIGHER GEOMETRY MR. LIEBERMAN	Properties of various geometries, with emphasis on axiomatic development. <i>Prerequisite:</i> Mathematics 361, 362. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY STAFF	Independent study in an area of mathematics of particular interest to the student. <i>Prerequisite:</i> Mathematics major and permission of the department. <i>Two to four credit hours.</i>
*497, 498 SEMINAR STAFF	Selected topics in applied mathematics. This course is offered in conjunction with the lecture series sponsored by the General Electric Foundation. <i>One credit hour.</i>

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 1973-74, Chinese and Swahili were offered. Possible offerings for 1974-75, depending upon demand, include Chinese and Swahili. <i>Prerequisite:</i> Permission of the department chairman. <i>Three credit hours.</i>
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 college requirement in foreign language. Credit varies depending on level of attainment. <i>Prerequisite:</i> Modern Languages 191, 192 and permission of department chairman. <i>Three or four credit hours.</i>
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. <i>Prerequisite:</i> Permission of the department chairman. <i>Two to four credit hours.</i>

Music

13d, 124d
 INTRODUCTION TO MUSIC
 TAFF

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. *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. *Three or four credit hours.*

133, 164
 THEORY AND PRACTICE OF
 MUSIC
 TAFF

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. *Three credit hours.*

191, 192
 APPLIED MUSIC: INDIVIDUAL
 STUDY
 TAFF

Instruction in voice and instruments for qualified students. Possible offerings in 1974-75, depending upon demand, include bassoon, clarinet, classical guitar, flute, oboe, organ, piano, trombone, trumpet, violin, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 491, 492. Interested students should consult the department before registering. May be repeated for additional credit; may not be included in basic 105 graded hours required for graduation. Nongraded.

Prerequisite: Music 163, 164 (may be taken concurrently) and permission of the department. *One or two credit hours.*

193, 194
 APPLIED MUSIC: ENSEMBLE
 TAFF

Optional credit for participation in musical organizations and ensembles, for students of applied music. In addition to the college band, choir, glee club, and symphony orchestra, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit; may not be included in basic 105 graded hours required for graduation. Nongraded.

Prerequisite: Concurrent enrollment in Music 191, 192 and permission of the department. *One credit hour.*

<p>*213 MEDIEVAL MUSIC MISS HEINRICH</p>	<p>Music in Europe through the Romanesque and Gothic Middle Ages, the <i>Ars Nova</i>, and Burgundian school. Analyses of such forms as Gregorian chant, liturgical drama, mass, motet, and early secular forms. Studies of transcription of musical manuscripts. Reading knowledge of music required. <i>Prerequisite:</i> Music 123, 124 or equivalent. <i>Three or four credit hours.</i></p>
<p>†[232] MUSIC OF THE RENAISSANCE</p>	<p>Music of western Europe in the late fifteenth and sixteenth centuries (Ockeghem to Giovanni Gabrieli), with particular attention to the mass, the motet, the chanson, the madrigal, and instrumental music. <i>Prerequisite:</i> Music 123, 124 or equivalent. <i>Three credit hours.</i></p>
<p>*234 BAROQUE MUSIC MR. ARMSTRONG</p>	<p>Music in western Europe from Monteverdi to Bach and Handel. <i>Prerequisite:</i> Music 123, 124 or equivalent. <i>Three credit hours.</i></p>
<p>*237 CLASSICAL MUSIC INSTRUCTOR</p>	<p>Music of the classical period, with special reference to the works of Haydn, Mozart, and Beethoven. Formerly included in Music 321, 322. <i>Prerequisite:</i> Music 123, 124 or equivalent. <i>Three credit hours.</i></p>
<p>†[252] ROMANTIC MUSIC</p>	<p>Nineteenth-century music from Schubert to Gustav Mahler and Richard Strauss, with special emphasis on instrumental music. <i>Prerequisite:</i> Music 123, 124 or equivalent. <i>Three credit hours.</i></p>
<p>†[254] CONTEMPORARY MUSIC</p>	<p>Trends in the art of music following the time of Wagner and the late Romantics. Consideration of varied techniques of twentieth-century composers. <i>Prerequisite:</i> Music 123, 124 or equivalent. <i>Three credit hours.</i></p>
<p>263, 264 HARMONY MR. RÉ</p>	<p>Harmonization of given and original melodies; analysis of compositions selected from major composers. Second semester: special emphasis on chromatic chord formations; some keyboard harmony. <i>Prerequisite:</i> Music 163, 164. <i>Three credit hours.</i></p>
<p>*272 COUNTERPOINT MR. RÉ</p>	<p>A study of the principles of sixteenth-, seventeenth-, and eighteenth-century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. <i>Prerequisite:</i> Music 163, 164. <i>Three credit hours.</i></p>

325, 326] ERA AND ORATORIO	<p>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.</p> <p><i>Prerequisite:</i> Music 123, 124 or equivalent and 163, or permission of the instructor. <i>Three credit hours.</i></p>
1 COMPOSITION L. RÉ	<p>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.</p> <p><i>Prerequisite:</i> Music 263, 264. <i>Three or four credit hours.</i></p>
1, 492 DEPENDENT STUDY AFF	<p>Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors.</p> <p><i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i></p>
13 SEMINAR IN MUSIC HISTORY R. ARMSTRONG	<p>Research and critical analysis in various areas of western music history. Primarily for senior music majors.</p> <p><i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i></p>
99d MUSIC TEACHING AFF	<p>Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. May not be included in basic 105 hours required for graduation. Nongraded.</p> <p><i>Prerequisite:</i> Permission of the department. <i>Two credit hours.</i></p>
APPLIED MUSIC	<p>Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. Students of applied music are invited to participate in the college band, choir, glee club, and symphony orchestra, with or without academic credit; small ensembles are also formed from time to time. For information concerning academic credit, see the statements for Music 191, 192 and 193, 194. In the case of Music 191, 192 a fee of \$100 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$60. Fees are payable on the semester bill. Students are not charged for membership in musical organizations or small ensembles.</p> <p>All majors are expected to demonstrate some skill at the keyboard before graduation; consult the department. Students not</p>

already proficient are urged to remedy this deficiency as soon as possible by enrolling for piano study.

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

Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

- | | |
|---|---|
| <p>112d
LOGIC
MR. MCARTHUR</p> | <p>The techniques of formal reasoning and their application in argumentation in ordinary language. <i>Three credit hours.</i></p> |
| <p>123, 124
INTRODUCTION TO WESTERN
PHILOSOPHY
MR. HUDSON AND STAFF</p> | <p>Some typical problems in western philosophy. First semester: ethics, socio-political philosophy, and philosophy of religion. Second semester: theory of knowledge, metaphysics, and philosophy of science. <i>Three credit hours.</i></p> |
| <p>211
MORAL PHILOSOPHY
MR. REUMAN</p> | <p>The bases of judgment on questions of good and bad, right and wrong; the application of ethical principles to questions of political obligations and social values. <i>Three credit hours.</i></p> |
| <p>†[236]
SOCIAL PHILOSOPHY</p> | <p>Readings from Plato, Locke, Rousseau, and Marx; their relevance to contemporary problems. <i>Three credit hours.</i></p> |
| <p>*258
PHILOSOPHICAL PROBLEMS IN
LOGIC AND MATHEMATICS
MR. MCARTHUR</p> | <p>A treatment of philosophical problems arising from logic and mathematics, e.g., the nature of axiomatic theories, the limitations of the axiomatic method, the nature of logical and mathematical truth, nominalism and realism, and the relation of logic to philosophy. Formerly listed as Philosophy 257.
<i>Prerequisite:</i> Philosophy 112 or permission of the instructor.
<i>Three credit hours.</i></p> |
| <p>281, 282
CULTURAL EUTHENICS: A NEW
ADAM AND A NEW EDEN
MR. TODRANK</p> | <p>Listed as Religion 281, 282 (<i>q.v.</i>). <i>Three or four credit hours.</i></p> |
| <p>[313]
AESTHETICS</p> | <p>Problems that arise in analyses and criticisms of the arts.
<i>Prerequisite:</i> Three hours of philosophy or permission of the instructor. <i>Three credit hours.</i></p> |

316] METAPHYSICS	A contemporary approach to the problem of reality or being and such metaphysical topics as time, space, substance, and causality. Attention also to methods for dealing with metaphysical problems and of validating metaphysical claims. <i>Three credit hours.</i>
17 PHILOSOPHY OF SCIENCE L. MCARTHUR	Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the sciences will be considered. <i>Three credit hours.</i>
18 ETHICS AND GENERAL THEORY OF VALUE L. 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. Formerly listed as Philosophy 319. <i>Prerequisite:</i> Philosophy 211 or permission of the instructor. <i>Three credit hours.</i>
1 HISTORY OF ANCIENT PHILOSOPHY R. PARKER	Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. <i>Three or four credit hours.</i>
2 HISTORY OF MODERN PHILOSOPHY R. REUMAN	European philosophy from Descartes to the nineteenth century, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. <i>Three or four credit hours.</i>
13 PHILOSOPHY OF EDUCATION R. HUDSON	Philosophical positions held by theorists from Plato to Dewey; primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of the instructor. <i>Three credit hours.</i>
[352] AMERICAN PHILOSOPHY	Representative thinkers in each major period and movement in American philosophical thought, and an attempt to relate the teachings of these thinkers to contemporary philosophical, educational, and social issues. <i>Three credit hours.</i>
53 CONTEMPORARY ANALYTIC PHILOSOPHY R. MCARTHUR	Major figures in the analytic tradition from 1900 to the present, with particular emphasis on Russell, Wittgenstein, and Quine. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i>

[355] INDIAN THOUGHT	Types of Indian philosophy of the ancient period. <i>Prerequisite:</i> Two semester courses in philosophy and religion; no previous Indian thought. <i>Three credit hours.</i>
[356] INDIAN THOUGHT	Types of Indian philosophy of the modern period. <i>Prerequisite:</i> Two semester courses in philosophy and religion. <i>Three credit hours.</i>
*359 NINETEENTH-CENTURY PHILOSOPHY MR. REUMAN	Post-Kantian thinkers such as Hegel, Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation. <i>Prerequisite:</i> Philosophy 331, 332 or permission of the instructor. <i>Three or four credit hours.</i>
†[372] PHILOSOPHY OF RELIGION	Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason. <i>Prerequisite:</i> One course in philosophy and one course in religion, or permission of the instructor. <i>Three credit hours.</i>
†[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. <i>Prerequisite:</i> Philosophy 331. <i>Three or four credit hours.</i>
†[374] EXISTENTIALISM AND PHENOMENOLOGY	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. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i>
†[391], 392 PHILOSOPHY SEMINAR MR. REUMAN	Seminar in selected areas of philosophy. In 1974-75 the topic will be "Comparative Social Systems." Open to majors and nonmajors. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

AFF

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

Physical Education

11, 242
INTRODUCTION TO THE
ART OF DANCE
S. MITCHELL

An historic survey of the art of dance from its primitive ritual beginnings to its development as an art form in western civilization. The course includes lectures, films, an introduction to basic theory, composition, and movement experience. No dance experience necessary. Formerly listed as Physical Education 343, 344.

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

01, 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 the instructor. *Three credit hours.*

23, 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. *Three credit hours.*

41, 342
MODERN DANCE COMPOSITION
AND THEORY
S. MITCHELL

Compositional problems relating to the theories of various modern dance artists, an introduction to dance notation, a study of the modern dance repertory through films and direct movement experience. May not be included in the basic 105 graded hours required for graduation.

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

91, 492
INDEPENDENT STUDY
S. MITCHELL

Individual dance problems in areas where the student has the interest and competence to work independently. May not be included in the basic 105 graded hours required for graduation.

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

Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

121, 122

GENERAL PHYSICS

MR. METZ

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. Lecture and laboratory. *Four credit hours.*

211

INTERMEDIATE MECHANICS

INSTRUCTOR

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

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

212

GEOMETRICAL AND PHYSICAL OPTICS

INSTRUCTOR

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. Lecture and laboratory.

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

321, 322

ELECTRICITY AND MAGNETISM

MR. DUDLEY AND MR. METZ

First semester: a theoretical treatment of electromagnetic phenomena, comprising electrostatics, magnetostatics, circuit theory, and Maxwell's equations. Second semester: electrodynamics, AC circuit theory, relativity, and applications. Lecture and discussion.

Prerequisite: for 321, Physics 122 and Mathematics 221 (may be taken concurrently); for 322, Physics 211 and Mathematics 221 (may be taken concurrently). *Four credit hours.*

†[331]

THERMODYNAMICS

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

Prerequisite: Physics 121 or 211, and Mathematics 222 (may be taken concurrently). *Four credit hours.*

2
ATOMIC AND NUCLEAR PHYSICS
DUDLEY

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

Prerequisite: Physics 321. *Four credit hours.*

51d]
ELECTRONICS

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

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

1, 442
THEORETICAL PHYSICS
R. METZ AND INSTRUCTOR

Advanced mechanics, relativity, and quantum theory, with applications. Emphasis will be placed on mathematical methods. Lecture.

Prerequisite: Physics 332 and Mathematics 311 (may be taken concurrently). *Three credit hours.*

1
SENIOR LABORATORY
INSTRUCTOR

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

Prerequisite: Physics 332. *Two credit hours.*

1, 492
INDEPENDENT STUDY
AFF

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

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

Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

1, 122
PORTUGUESE AS A SECOND
ROMANCE LANGUAGE
S. DOEL

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

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

Psychology

- | | |
|--|---|
| 111d
INTRODUCTION TO PSYCHOLOGY
STAFF | An overview of contemporary psychology, introducing conceptual theories, and methods current in the field. This course is prerequisite to any further work in the department. <i>Three credit hours.</i> |
| 114
QUANTITATIVE METHODS
MR. LESTER | Quantitative methods in psychology, with emphasis on basic statistical principles and techniques of data gathering, processing and analysis. Introduction to computing and programming applied to psychology.
<i>Prerequisite: Psychology 111. Four credit hours.</i> |
| [213]
MOTIVATION | A theoretical and historical analysis of current research in motivation, focusing on such topics as drive, reinforcement, consummatory behavior, aggression, emotion, sleep, and imprinting.
<i>Prerequisite: Two semester courses in psychology. Three credit hours.</i> |
| [215]
ANIMAL AND HUMAN
ETHOLOGY | Behavior from a biological viewpoint: a synthesis of ethology and comparative psychology, tracing developments from Darwin to the present. Topics include "evolution" and "causation" behavior; cyclical, migratory, territorial, and social behavior.
<i>Prerequisite: Two semester courses in psychology, two semester courses in biology, and permission of the instructor. Three credit hours.</i> |
| †[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 and clinical practice.
<i>Prerequisite: Psychology 111 and Psychology 114 or permission of the instructor. Three credit hours.</i> |
| 252
DEVELOPMENTAL PSYCHOLOGY
MR. ZOHNER | Principles of development from conception through adolescence, examined from biological, sociocultural, and psychodynamic perspectives.
<i>Prerequisite: Psychology 271. Three credit hours.</i> |
| 261, 262
PERSONALITY AND ABNORMAL
PSYCHOLOGY
MR. LESTER AND MR. PEREZ | Problems, theories, and research concerned with the dynamics of behavior. First semester: major systematic interpretations and current research in personality. Second semester: the dynamics of abnormal behavior. |

Prerequisite: Psychology 111. Three credit hours.

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- 71
EXPERIMENTAL PSYCHOLOGY
MR. ZOHNER
- Discussion of the planning, execution, and interpretation of research in psychology.
Prerequisite: Psychology 111, Psychology 114 or Mathematics 242, and permission of the instructor. Three credit hours.
-
- 272]
[EUROPSYCHOLOGY
- The study of neural processes underlying experience and behavior; the ways in which the nervous system codes perception, movement, hunger, sleep, sex, apathy, interest, learning, and language.
Prerequisite: Two semester courses in psychology, two semester courses in biology, and permission of the instructor. Four credit hours.
-
- [274]
[VISION AND VISUAL PERCEPTION
- 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.
Prerequisite: Two semester courses in psychology, one semester of a laboratory science, and permission of the instructor. Four credit hours.
-
- 91d
SOCIAL PSYCHOLOGY
MR. GILLESPIE
- Representative topics in contemporary social psychology: methodological problems, the self, attitudes, social motivation, person perception, group influence. Formerly listed as Psychology 353.
Prerequisite: Psychology 111. Three credit hours.
-
- 117
SEMINAR IN DEVELOPMENTAL PSYCHOLOGY
MR. ZOHNER
- Historical, theoretical, and empirical aspects of the development of the individual. Special attention will be given to a critical analysis of existing research and methodology.
Prerequisite: Psychology 252 and permission of the instructor. Three credit hours.
-
- 331
LEARNING
MR. ZOHNER
- A consideration of the principles of learning and the empirical evidence underlying them.
Prerequisite: Psychology 271 and permission of the instructor. Four credit hours.
-
- 91
HISTORY AND SYSTEMS OF PSYCHOLOGY
- The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis. Formerly listed as Psychology 392.

MR. PEREZ

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

491, 492
INDEPENDENT STUDY
STAFF

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the 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
MR. LONGSTAFF

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

†[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 or four credit hours.*

281, 282
CULTURAL EUTHENICS: A NEW
ADAM AND A NEW EDEN
MR. TODRANK

First semester: the relationship between the lifestyle of modern man and the current environmental crisis, and the resulting urgent need for a new "Adam" and a new "Eden." Second semester: an analysis of some of the economic, political, ethical, and religious aspects of essential reforms to achieve a new era for a new earth. Faculty members from other departments will participate in panel discussions of the basic issues. *Three or four credit hours.*

[316] CONTEMPORARY WESTERN THEOLOGY	A sampling of twentieth-century religious perspectives, including selections from liberal, neoorthodox, existential, secular, radical, and Black theologians, concluding with an examination of process theology and the theology of hope. <i>Prerequisite:</i> Two courses in religion or permission of the instructor. <i>Three credit hours.</i>
319 PRIMITIVE RELIGION DR. THORWALDSEN	Archaic and primitive religious life. The religion of aborigines, Polynesians, African and Latin-American tribes, and North American Indians. <i>Prerequisite:</i> One course in philosophy or religion. <i>Three credit hours.</i>
321, 322 EAST ASIAN AND INDIAN RELIGIONS DR. THORWALDSEN	History and characteristics of Indian and Oriental religions and Islam. Special attention is given to the Vedanta tradition of Hinduism, Theravada Buddhism, Zen in China and Japan, Sufism in Islam. <i>Prerequisite:</i> One course in philosophy, religion, or East Asian studies. <i>Three credit hours.</i>
351] THE BOOK OF JOB	The main themes of the narrative and the speeches will be explored with reference to the genre, the original context, and the relevance of the book to contemporary events and problems. <i>Prerequisite:</i> Religion 121 or 223. <i>Three credit hours.</i>
352 THE THEOLOGY OF PAUL DR. LONGSTAFF	Paul's letters, and the controversies that prompted them, will be studied as a basis for understanding Pauline theology, its relation to other elements of first-century Christianity, and its influence on later western thought. <i>Prerequisite:</i> Religion 224. <i>Three credit hours.</i>
[353] THE GREAT PROPHETS OF ISRAEL	An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times. <i>Prerequisite:</i> Religion 223. <i>Three credit hours.</i>
[358] JESUS OF NAZARETH	A critical study of the Gospel materials dealing with the life and teaching of Jesus. Giving attention to method, the course will examine some of the recent literature on the topic. <i>Prerequisite:</i> Religion 224 and permission of the instructor. <i>Three credit hours.</i>

†[372] PHILOSOPHY OF RELIGION	Listed as Philosophy 372 (<i>q.v.</i>). <i>Three credit hours.</i>
†[373] HISTORY OF MEDIEVAL PHILOSOPHY	Listed as Philosophy 373 (<i>q.v.</i>). <i>Three or four credit hours.</i>
†[391], 392 RELIGION SEMINAR MR. THORWALDSEN	Seminar in selected areas of religion. In 1974-75, the topic will be "The History and Practice of Zen Buddhism." Open to majors and nonmajors. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY INSTRUCTOR	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i>

Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

111, 112 ELEMENTARY RUSSIAN MR. KEMPERS	Introduction to the language by a modified audio-lingual method with emphasis on understanding spoken Russian and on reading. Use of taped materials in the language laboratory is a regular part of the class work. <i>Four credit hours.</i>
113, 114 INTERMEDIATE RUSSIAN MR. KEMPERS	Continued study of grammar, with emphasis on understanding spoken Russian and on reading, through the study of short stories and plays. Use of taped materials in the language laboratory continues as an integral part of the course. <i>Prerequisite:</i> Russian 112, or two years of high-school Russian and appropriate score on the placement test. <i>Four credit hours.</i>
225, 226 ADVANCED RUSSIAN MR. KEMPERS	Continued work on the language, intensive study of selected works of Russian literature. <i>Prerequisite:</i> Russian 114 or permission of the instructor. <i>Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY MR. KEMPERS	Individual readings in areas of the student's major interest. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i>

Selected Topics

97, -98
STUDY OF SELECTED TOPICS

Each department and interdisciplinary major may from time to time offer special courses not otherwise included in its regular course listing. When such a course is offered, it will be listed under the appropriate subject heading. The first digit of its number will depend on the level at which it is offered. Titles, descriptions, prerequisites, and number of credits will be determined by the department or interdisciplinary major offering the course, and will be available at registration.

Sociology

12
INTERACTION PROCESS
ANALYSIS
R. ROSENTHAL

Theories and methods of understanding interpersonal behavior as it occurs in small groups. An attempt to synthesize concepts, theory, and observation of the group. A student may not be concurrently enrolled in Sociology 222. Enrollment limited.

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

21C, 222
PRINCIPLES OF SOCIOLOGY
TAFF

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. In 1974-75, two sections will be reserved for freshmen only. *Three credit hours.*

12
SHORT COURSES IN SOCIOLOGY
TAFF

Several topics will be considered over varying time segments throughout the semester. Each short course is autonomous, and a student may elect any or all. Topics for 1973-74 included: "The Thirties, a Time for Remembrance"; "Interpersonal Behavior, the Lexicon of Living"; "Social Movements, the Enigma and Entropy of Change"; "Science Fiction as Sociology"; and "Deviance as Conformity, Human Sexual Behavior as a Case Study."

Prerequisite: Sociology 221, 222 and permission of the instructor. *One to three credit hours per topic.*

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.*

332

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.

*333

DELINQUENCY AND CRIME

MR. GEIB

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

Prerequisite: Sociology 221, 222. Three credit hours.

337

THE SOCIOLOGY OF CHILD DEVELOPMENT

MR. ROSENTHAL

The family as transmitter of the culture; relationships between social forces acting upon the family and the socialization process; and relationships between family characteristics, transmission, and socialization.

Prerequisite: Sociology 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

MR. 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.

†[354]

COMPARATIVE SOCIAL SYSTEMS

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.*

73
THE FAMILY
MR. KINGDON

An historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture.

Prerequisite: Sociology 221, 222. *Three credit hours.*

74
SOCIAL STRATIFICATION
MR. KINGDON

Social classes of North America, as portrayed through the literature of community studies. Emphasis will center on the culture of the middle class, and on students' own experiences in the socialization process.

Prerequisite: Sociology 221, 222. *Three credit hours.*

81, *382
INTRODUCTION TO RESEARCH
AND METHODOLOGY IN
SOCIOLOGY
MR. 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. 381: *three credit hours*; 382: *three or four credit hours.*

391
SOCIAL CHANGE
MR. MORRIONE

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

Prerequisite: Sociology 221, 222. *Three credit hours.*

393
COMPLEX SOCIAL
ORGANIZATIONS
MR. ROSENTHAL

Utilizing an historical perspective and sociological orientation, this course will examine the existing and empirical data and theoretical concepts dealing with the behavior of people in business and other organizations.

Prerequisite: Sociology 221, 222. *Three credit hours.*

Note: This course may be offered cooperatively with Adminis-

trative Science 413. A student may not receive credit for both Sociology 393 and Administrative Science 413.

*396

COLLECTIVE BEHAVIOR
MR. GEIB

A course which seeks to shed light on the plight of contemporary man through the examination of the various instances of collective behavior — crowds, masses, publics, and social movements — and the forces which mold each. Consideration is given also to public opinion, propaganda, communication and the major mass media, and their function in modern society.

Prerequisite: Sociology 381 or permission of the instructor.
Three credit hours.

401, 402
SOCIOLOGY SEMINAR
MR. BIRGE

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

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

411
NORMATIVE SOCIAL THEORY
MR. DOEL

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

Prerequisite: Sociology 221, 222. *Three credit hours.*

412
HISTORY OF SOCIOLOGICAL
THEORY
MR. MORRIONE

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

Prerequisite: Sociology 221, 222. *Three credit hours.*

416
SPECIAL TOPICS
STAFF

Topics in selected areas of sociology. Specific subject matter announced each year prior to registration. In 1973-74, the topic was "Sociology of Women."

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

491, 492
INDEPENDENT STUDY
STAFF

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

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

INTERDEPARTMENTAL COURSE

Psychology 291d, 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.

<p>11, 112 ELEMENTARY SPANISH TAFF</p>	<p>Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. <i>Four credit hours.</i></p>
<p>13, 114 INTERMEDIATE SPANISH TAFF</p>	<p>Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin-American literature. Studies and grammar review supplemented with drill work in the laboratory. <i>Prerequisite:</i> Spanish 112, or two years of high-school Spanish and appropriate score on the placement test. <i>Three credit hours.</i></p>
<p>15d SPANISH PRONUNCIATION MR. CAUZ</p>	<p>The theory and practice of Spanish pronunciation. Supplementary drills and exercises in the language laboratory. Does not fulfill language requirement. Nongraded. <i>Prerequisite:</i> Spanish 112 or equivalent. <i>Two credit hours.</i></p>
<p>25, 126 INTRODUCCIÓN AL MUNDO HISPANICO TAFF</p>	<p>The Hispanic tradition reflected in the works of major figures of Spain and Latin America. In-depth study of selected works with collateral readings. <i>Prerequisite:</i> Spanish 114. <i>Three or four credit hours.</i></p>
<p>31d ADVANCED SPANISH MR. PÉREZ</p>	<p>An advanced review of grammar, with practice in written composition. <i>Prerequisite:</i> Spanish 114 or equivalent. <i>Three credit hours.</i></p>
<p>21, 222 CONTEMPORARY LATIN-AMERICAN LITERATURE MR. HOLLAND</p>	<p>The development of Latin-American literature from the <i>Modernistas</i> through the contemporary period. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i></p>
<p>[257] THE GENERATION OF 1898</p>	<p>The more important members of the generation of 1898, with emphasis on Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. <i>Prerequisite:</i> Spanish 126. <i>Four credit hours.</i></p>

258d1 SPANISH LITERATURE OF THE TWENTIETH CENTURY MR. CAUZ	Outstanding prose and poetic works of the contemporary period with emphasis on living authors. <i>Prerequisite:</i> Spanish 126. <i>Four credit hours.</i>
[271] PROTESTA Y VIOLENCIA	An exploration and analysis of Hispanic literature of social protest and its violent manifestations. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i>
[272] LATINOAMERICA: EL INDIO Y EL NEGRO	The portrayal of the Indian and the Black in contemporary Latin-American literature. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i>
351 THE THEATRE OF THE GOLDEN AGE MR. PÉREZ	The theatre of the Golden Age, with emphasis on Lope de Vega, Tirso de Molina, Ruiz de Alarcón, and Calderón de la Barca. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i>
352 THE NOVEL OF THE GOLDEN AGE MS. DOEL	The novel of the Golden Age, with particular attention to the picaresque novel, the <i>Novelas Ejemplares</i> , and <i>Don Quijote</i> Cervantes. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i>
[355] 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. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i>
[356] NINETEENTH-CENTURY SPANISH NOVEL	Major novelists of the nineteenth century, with special emphasis on Valera, Pereda, Galdós, and Pardo Bazán. <i>Prerequisite:</i> Spanish 126. <i>Three or four credit hours.</i>
411 TEACHING OF MODERN FOREIGN LANGUAGES MR. BIRON	Problems and methods of teaching Spanish. Readings, discussion, 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> Six hours of Spanish beyond 126. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

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

93, 494]
SEMINAR IN SPANISH AND
LATIN-AMERICAN LITERATURE
AFF *Prerequisite:* Permission of the instructor. *Three or four credit hours.*

9d
LANGUAGE TEACHING
AFF Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Spanish 411. May not be included in basic 105 hours required for graduation. Nongraded. *Two credit hours.*

Western Civilization

91, 492
INDEPENDENT STUDY
IAFF Individual study of special problems in western civilization in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor and the program director. *One to three credit hours.*

93, 494
SEMINAR IN WESTERN
CIVILIZATION
IAFF Interdisciplinary seminars conducted by at least two members of the western civilization advising faculty, leading to the composition of a major essay. Required of all senior majors in western civilization. *Three credit hours.*

Preparation for Graduate and Professional Schools

The 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 admission tests for prospective applicants to graduate schools in 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, classical languages, 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 prelaw student may major in almost any field, but every 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.

MEDICINE AND DENTISTRY

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

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. Every applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which differ with different dental schools.

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

Each interested student should consult a member of the college

mittee on professional preparation for medicine and dentistry early in his freshman 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 and two at Rochester. On successful completion of the program, the student may be awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from Rochester.

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

Students graduating in this program are exempt from Colby's usual requirement of residence during the senior year.

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.

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

SECONDARY SCHOOL TEACHING

Because education is an eclectic, interdisciplinary study that draws heavily upon philosophy, history, sociology, and psychology, Colby does not offer a major in education *per se*. Instead, relevant subjects are offered by appropriate departments to enable the student to qualify for regular secondary-school-teacher certification in Maine and most other states in the fields of English, social studies, science, mathematics, Latin, American studies, environmental studies, and commonly taught modern foreign languages. Because certification requirements are in a state of flux, the student must assume the responsibility for obtaining the

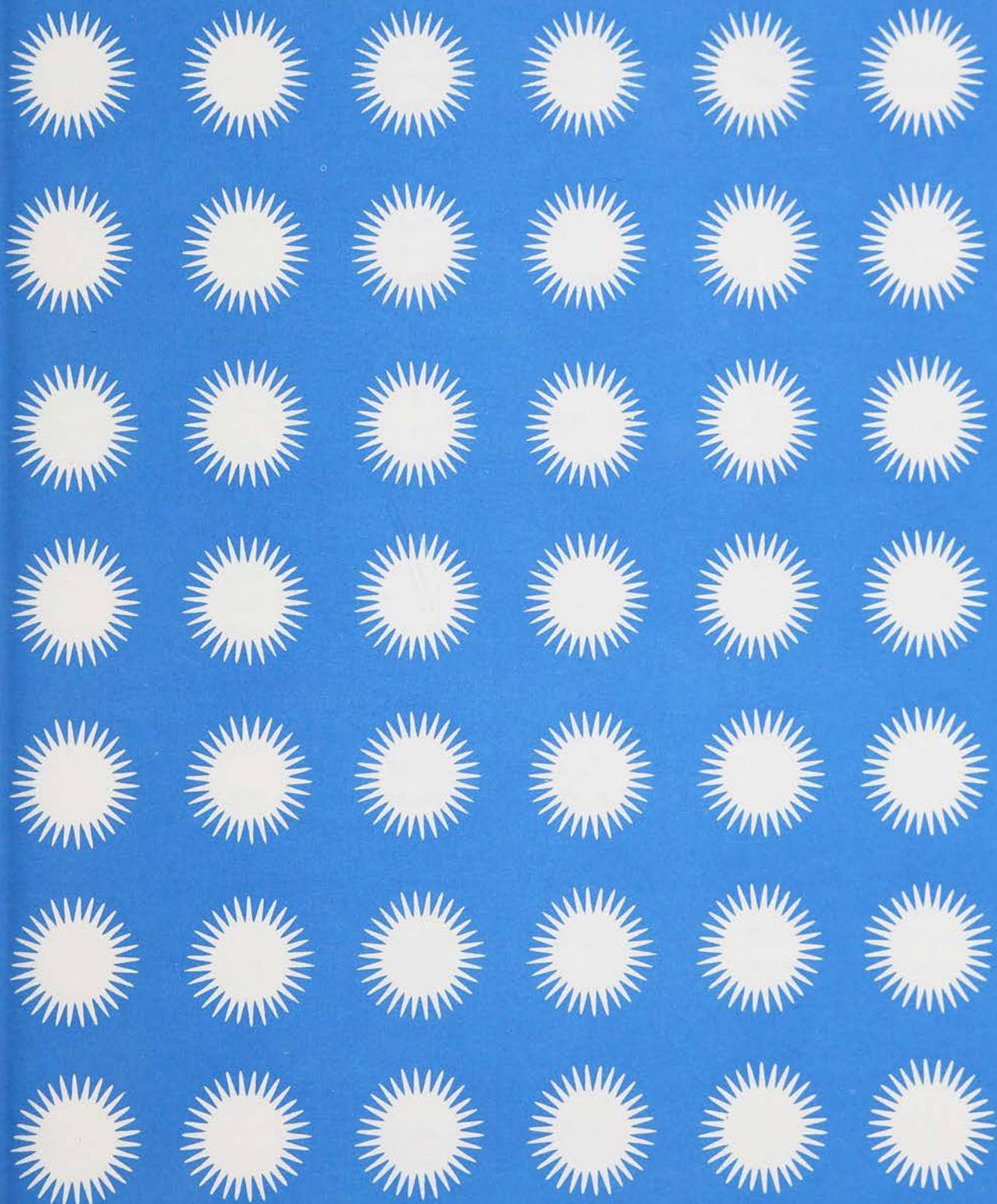
necessary information and planning a program with the office of education that will meet his needs.

Candidates for preschool and elementary teaching, special education, guidance, administration, and special subjects such as art and music may take the sophomore- and junior-level courses only and complete their certification requirements elsewhere.

Students are urged to take all the field experiences open to them in the program.

BUSINESS

Graduate programs in the administrative sciences at such schools as Harvard, Chicago, Cornell, the Wharton School of the University of Pennsylvania, and the Amos Tuck School of Dartmouth College continue to attract many Colby College graduates. Interested students should, early in their college careers, seek counsel from members of the department of administrative sciences. Seniors are urged to take the admissions test for graduate study in business.



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The Corporation

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	<i>Treasurer</i>	DANE JOSEPH COX, PH.D.	<i>Waterville, Maine</i>
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	(AL. 1976)	CLIFFORD ALLAN BEAN, M.B.A.	<i>Concord, Massachusetts</i>
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	(1974)	CLARK HOPKINS CARTER, B.A., M.A.	<i>Chappaqua, New York</i>
	(1974)	HARRISON CHANDLER, B.A., M.A.	<i>Los Angeles, California</i>
	(1975)	H. KING CUMMINGS, B.S., M.A.	<i>Guilford, Maine</i>
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	(AL. 1974)	DORIS HELEN KEARNS, PH.D.	<i>Cambridge, Massachusetts</i>
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	(AL. 1974)	JOHN FRANKLIN REYNOLDS, M.D.	<i>Waterville, Maine</i>
	(1977)	DWIGHT EMERSON SARGENT, B.A., M.A.	<i>Columbia, Missouri</i>

¹On leave second semester 1973-74.

²Second semester 1973-74.

³Honorary life member.

	(1977) JOSEPH COBURN SMITH, M.A., L.H.D.	<i>South Portland, Maine</i>
	REGINALD HOUGHTON STURTEVANT, B.A., LL.D. ¹	<i>Livermore Falls, Maine</i>
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	(AL. 1976) ARTHUR TOTTEN THOMPSON, M.B.A., SC.D.	<i>Boston, Massachusetts</i>
	(AL. 1976) SIGRID E. TOMPKINS, LL.B.	<i>Portland, Maine</i>
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¹Honorary life member; died March 22, 1974.

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

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Professor of Physics
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Roberts Professor of English Literature
- MIRIAM FRANCES BENNETT, PH.D. (Carleton, Mount Holyoke, Northwestern)
Professor of Biology
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Professor of Sociology
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Professor of Modern Languages (German)
- JEAN D. BUNDY, PH.D. (Washington State, Wisconsin)
Dana Professor of French Literature
- JAMES MORTON CARPENTER, PH.D.³ (Harvard)
Professor of Fine Arts
- RICHARD CARY, PH.D. (New York University, Cornell)
Professor of English; Curator of Rare Books and Manuscripts
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Professor of History

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Professor of Psychology

KEMP FREDERICK GILLUM, PH.D. (Illinois, Wisconsin)

Professor of History

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

Professor of Modern Languages (Spanish)

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Dana Professor of Psychology; Director of Center for Coordinate Studies

RICHARD KNOWLTON KELLENBERGER, PH.D.¹ (Oberlin, Princeton)

Professor of Modern Languages (French)

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Professor of Geology

PAUL EWERS MACHEMER, PH.D. (Princeton, Pennsylvania)

Professor of Chemistry

COLIN EDWARD MACKAY, PH.D. (Brown)

Professor of English

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Professor of Music

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Merrill Professor of Chemistry

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Professor of Philosophy

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Professor of English; President

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Professor of Biology

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Rutgers)
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THOMAS WILLIAM EASTON, PH.D. (Maine, Brown)
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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

JAN STAFFORD HOGENDORN, PH.D. (Wesleyan, London School of
Economics)
Associate Professor of Economics

YEAGER HUDSON, PH.D. (Millsaps, Boston University)
Associate Professor of Philosophy

HAROLD ALVIN JACOBSON, ED.D. (Bowling Green, Harvard)
Associate Professor of Education

JOHN KEMPEERS, PH.D. (Hastings, Nebraska, Syracuse)
Associate Professor of Modern Languages (Russian)

YVONNE RICHMOND KNIGHT, M.B.A. (Colby, Cornell)
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DOROTHY MARIE KOONCE, PH.D. (Cornell, Pennsylvania)
Associate Professor of Classics

HOWARD LEE KOONCE, PH.D. (Dartmouth, Pennsylvania)
Associate Professor of English

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

CHARLES ABBOTT MEADER, M.F.A.² (Dartmouth, Colorado)
Associate Professor of Art

WILLIAM BLACKALL MILLER, PH.D. (Harvard, Columbia)
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HAROLD RICHARD PESTANA, PH.D. (California, Iowa)
Associate Professor of Geology

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Associate Professor of English

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LAWRENCE ALVIN WING, M.S. (Maine)

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FLOYD CELAND WITHAM, M.A. (Colby, Stanford)

Associate Professor of Speech in the Department of English

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GLENN DORIN ZOHNER, PH.D.³ (Brigham Young, Massachusetts)

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

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Berkeley, Church Divinity)
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Instructor in Sociology

LARRY CHARLES LESTER, B.S. (Manchester) (Capt., U.S. Air Force)
Instructor in Aerospace Studies

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(Capt., U.S. Air Force)
Instructor in Aerospace Studies

JOSEPH ANTHONY MARTIN, M.A. (King's College, Cornell)
Instructor in English

MARGARET KOONS MILLER, B.A.⁵ (Wooster)
Instructor in Art

CHRISTINE ELIZABETH MITCHELL, M.A. (Massachusetts, Michigan)
Adjunct Instructor in Physical Education (Dance)

KENNETH HIROSHI MUKAI, A.B. (Colby)
Adjunct Instructor in Physical Education

MAURICE GEORGES OUDIN, M.A. (Montana State, Oregon)
Instructor in Modern Languages (French)

JOSEPH ANTHONY REITER, M.A. (Rutgers)
Instructor in Modern Languages (French and German)

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

JONATHAN MARK WEISS, PH.D. (Columbia College, Yale)
Instructor in Modern Languages (French)

LECTURERS GEORGE JAMES CHAMBERS, JR., M.A. (Boston University, Wisconsin)
Visiting Lecturer in English

SIDNEY WEYMOUTH FARR, M.A. (Colby, Maine)
Lecturer in Government; Director of Financial Aid and Career Counseling

FACULTY WITHOUT RANK DEBORAH LEA GIRARDIN, M.S. (Elmira, Simmons)
Audiovisual Librarian

HUGH JAMES GOURLEY III, A.B. (Brown)

Director of Museum of Art

WILLIAM WALTER HILL, M.S. (Saint Michael's, Long Island 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 full year 1973-74.

²On leave first semester 1973-74.

³On leave second semester 1973-74.

⁴First semester only 1973-74.

⁵Part-time.

⁶Part-time second semester 1973-74.

COLLEGE COMMITTEES

1973-74

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. Names with numerals following in parentheses are elective members; the numerals indicate the year of expiration of the term on the committee.

ADMINISTRATIVE President Strider; Dean Jenson; Vice-President Pullen; Dean Wyman; Professors Small ('74), Cauz ('75), Todrank ('76); Assistant to the President Dyer; Professor Hall (secretary, nonvoting); three students (Miss Nielson; Messrs. Potter, Roulston).

ADMISSIONS Deans Jenson, Carroll, Wyman, Smith; Director of Financial Aid Farr; Professors Longstaff ('74), Terry ('75), Curran ('76); three students (Messrs. Goos, Sherwood, Wechsler); one nonvoting alumnus (Mr. Demong).

Subcommittee on Foreign Students Professor Holland; Dean Carroll; Director of Career Counseling and Financial Aid Farr; Registrar Coleman; Professors Easton, Ferguson, Weiss; four students (Miss Staples; Messrs. Chubb, Muhler, Irwin).

AFROTC Professors Burke, Dunlevy, Finnegan, Landsman, Kueter; four students (Messrs. Carmichael, Coz, Lipes, Walczak).

ARCHITECTURAL Professor Miller; Vice-President Pullen; Dean Jenson; Professor Birge, Schulten; Plant Engineer Palmer (nonvoting); three students (Miss Rogers; Messrs. Bell, Turnbull).

ATHLETICS Professors Machemer, DeSisto, Hodsdon, Kempers, Fowles; five students (Misses Beaulieu, Burnett; Messrs. McAuliffe, Snyder, Traverse); one nonvoting alumnus (Mr. Cote).

BOOKSTORE Professors Knight, Rosen; Treasurer Cox; Mr. Hill; three students (Miss Hansen; Messrs. Goldman, Johnson).

CAMPUS NATURAL ENVIRONMENT Professor Gilbert; Vice-President Pullen; Superintendent of Buildings and Grounds Grindall; Professors Johnson, F. Pérez; Mr. Sacks; Miss Girardin; two students (Miss Pope; Mr. Michener).

COMMENCEMENT Director of Student Activities Cummings; Vice-President Pullen; Vice-President Turner; Registrar Coleman; Assistant to the President Dyer; Superintendent of Buildings and Grounds Grindall; Alumni Secretary Burke; Administrative Assistant to the President Hall; Director of Special Programs Kany; Director of Food Service O'Connor; College Marshall Todrank; Director of Publications Sanborn; Professors Armstrong, Thorwaldsen, Westervelt, Witham, Whitmore; senior class officers (President French; Vice-President Corydon; Secretary Marden; Treasurer Finger).

EDUCATIONAL POLICY Dean Jenson; Professors Filosof, Mavrinac, D. Koonce ('74), Hayslett ('74), Hudson ('74), Easton ('75), E. Kenney ('75), R. Reuman ('75); three students selected by Student Government (Misses Dewey, Johns; Mr. Malinoski); two students appointed by the president (Miss Richards; Mr. Grizzard); without vote: Dean Wyman; Professor Hall (secretary); alumni representative (Mrs. Abbott).

EXAMINATIONS AND SCHEDULES Registrar Coleman; Professors Combellack, R. Gillespie, Ray, Winkin, Kerkham, Comparetti; Mr. Whitney; two students (Miss Rodman; Mr. LaBombarde).

FINANCIAL AID Vice-President Pullen; Deans Wyman, Carroll, Downing; Treasurer Cox; Director of Career Counseling and Financial Aid Farr; Professors Brancaccio ('74), Landsman ('74), Thorwaldsen ('75), Fowles ('76), four students (Miss Lindsey; Messrs. Calhoun, Friedman, Hatch); one nonvoting alumnus (Mr. Vigue).

FINANCIAL PRIORITIES Vice-President Pullen; Dean Jenson; Professors Miller ('74), Hogendorn ('75), Koons ('76); three students (Miss Rachal; Messrs. Traversi, Perkins); one nonvoting alumnus (Mr. Eustis).

FOREIGN STUDIES AND STUDENT EXCHANGE Professor Cauz; Registrar Coleman; Dean Downing; Director of Special Programs Kany; Professors Filosof, Benbow, Elison,

Champlin, Brancaccio, P. Perez; four students (Mr. Vann; Misses Burnett, Sartucci, Sawitz).

FRESHMAN WEEK Director of Student Activities Cummings; Deans Wyman, Smith; Registrar Coleman; Professors Lester, Pestana; five students (Misses Sunderhauf; Messrs. Evans, Boghossian, McAuliffe, Wechsler).

HONORARY DEGREES Professors MacKay, Bundy, Cary, Comparetti, Geib, Gillum, Mavrincac, R. Reuman, W. Smith; two students (Misses Julian Walsh).

LIBRARY Professor Pestana; Acting Librarian Curran; Professors Armstrong, Foner, Hanna, Metz, Mizner, Suss, J. Wyman; five students (Misses Marson, Ellowitz, Gammons; Messrs. White, Gavin).

PROFESSIONAL PREPARATION

College Teaching Professors Heinrich, Foner, Schmidt; one student (Mr. Germer).

Engineering Professors Dudley, Bancroft, Ray; one student (Mr. Jaffa).

Law and Government Service Professors Berschneider, Weissberg, Maisel; one student (Miss Walczak).

Medicine and Dentistry Professors Terry, Easton, DeSisto, Maier; one student (Mr. Harris).

Secondary School Teaching Professors Jacobson, Pestana, Combella; one student (Miss Beadle).

Theology Professors Thorwaldsen, Longstaff, Todrank; one student (Miss Blaxton).

RIGHTS AND RULES Mr. Friedman (student); Deans Downing, Smith; Professors Thorwaldsen, W. Smith ('74), J. Gillespie ('75); six students (Misses Corydon, Daley, Dugdale, Wiese; Messrs. Sheikh, Tommasino).

SAFETY Superintendent of Buildings and Grounds Grindall; Treasurer Cox; Dean Smith; Assistant to the Treasurer Reinhardt; Professors Covell; three students (Misses Goodhope, Walker; Mr. Jaska).

SENIOR SCHOLARS Professors Maier, Miller, Kempers, Bancroft, Bridgman, Champlin; Miss C. Smith; two students (Messrs. Traversi, Walczak).

SPECIAL PROGRAMS Professors Bundy, H. Koonce, Lester, Maisel, McArthur, Small; Director of Special Programs Kany; four students (Misses Steffen, Messrs. Casto, French, Alexander).

STANDING Professors P. Bither, Benbow, Knight; Deans Jenson, Wyman; Registrar Coleman (secretary); two students (Misses Jaska, Whilton).

FACULTY COMMITTEES

1973-74

GRADUATE SCHOLARSHIP Director of Career Counseling and Financial Aid Farr; Professors Bassett, P. Bither, E. Kenney, D. Reuman, Sweney, Terry, Todrank, Weissberg.

GRIEVANCE Professors E. Kenney ('74), Suss ('75), Gemery ('76).

INTERDISCIPLINARY STUDIES Professors Johnson, Bassett, Brancaccio, Elison, Gilbert, D. Koonce; Assistant Dean of Faculty and Director of Special Programs Kany.

NOMINATING (Members will elect chairman.) Professors Benbow, Brancaccio, Landsman, Longstaff, Small, Terry, Weissberg.

REMEMBRANCE Professors M. Bither, Combellack, Hodges.

RESEARCH, TRAVEL, AND SABBATICAL LEAVES Dean Jenson; Vice-President Pullen; Professors Armstrong, Reid, Weissberg.

STUDENT APPEALS BOARD Professors Bassett ('74), W. Smith ('75), Knight ('76).

Administrative Staff 1973-74

PRESIDENT

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

ASSISTANT TO THE PRESIDENT

Richard Nye Dyer, B.A.

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Jon Franklin Hall, PH.D.

DEAN OF THE FACULTY

Paul Gerhard Jenson, PH.D.

ASSISTANT DEAN OF THE FACULTY

Robert Hurd Kany, PH.D.

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Robert White Pullen, PH.D.

VICE-PRESIDENT FOR DEVELOPMENT

Edward Hill Turner, B.A., L.H.D.¹

TREASURER

Dane Joseph Cox, PH.D.

ASSISTANT TO THE TREASURER

Douglas Edward Reinhardt, B.A.

DEAN OF STUDENTS

Willard Gordon Wyman, PH.D.

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Earl H. Smith, B.A.

ASSISTANT TO THE DEAN OF STUDENTS

Frances E. Thayer, B.A.

DEAN OF ADMISSIONS

Harry R. Carroll, M.A.

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Walter J. Brooks, M.A.

ASSISTANTS TO THE DEAN OF ADMISSIONS

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¹On leave second semester 1973-74.

²Acting Director of Development second semester
1973-74.

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DIRECTOR OF FINANCIAL AID AND CAREER COUNSELING

Sidney W. Farr, M.A.

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Robert Hurd Kany, PH.D.

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Eileen M. Curran, PH.D.

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Richard Cary, PH.D.

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Circulation Assistant, Library

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Cataloger, Colbiana

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Collette P. Pelkey

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Secretary, Admissions Office

Helen Picard (Mrs.)

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

Lorraine Siviski (Mrs.)
Secretary, Infirmary

Dean Smith
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Esther Trott (Mrs.)
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Carol Welch (Mrs.)
Secretary, English

Barbara Williamson (Mrs.)
Mailing Room Clerk

Carolyn Wood, A.S.
Secretary, Dean of Students Office

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Sanitation Foreman

Robie F. Bickmore
Heating Foreman

Fernand J. Michaud
Outside Foreman

Roy Brackett
Electrical Foreman

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College Physician

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

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

Philip Swett
Assistant, Health Services

Priscilla Sargent, R.N.
Head Nurse in Residence

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Elizabeth Frost (Mrs.), R.N.

Patricia Holman (Mrs.), R.N.

Jean Palmer, R.N.

Lita Poulin (Mrs.), Nurse's Aide

Mildred Richardson (Mrs.), R.N.

DIETARY STAFF

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

John Jenkins
Manager, Dana Dining Hall

Duane Rancourt
Manager, Roberts Union Dining Hall

RESIDENCE STAFF

Bruce Cummings, B.A.
Dana

Roland W. Thorwaldsen, M.A., M.Div.
Leonard, Marriner, Sturtevant, and Taylor

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATIONS OF STUDENTS' HOMES 1973-74

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
ALL AREAS	894	683	1577	Pennsylvania	33	17	50
				Puerto Rico	1	0	1
				South Carolina	0	1	1
				Tennessee	1	0	1
NEW ENGLAND	571	415	986	Texas	1	4	5
Connecticut	100	46	146	Virginia	15	15	30
Maine	118	110	228	Washington	6	1	7
Massachusetts	282	191	473	West Virginia	1	0	1
New Hampshire	32	37	69	Wisconsin	2	8	10
Rhode Island	32	18	50				
Vermont	7	13	20	FOREIGN COUNTRIES	28	13	41
				Bahamas	1*	1	2
OUTSIDE NEW ENGLAND	295	255	550	Bangladesh	1	0	1
Alabama	1	0	1	Belgium	0	2**	2
Alaska	0	1	1	Brazil	2*	0	2
Arizona	0	2	2	Canada	9	1	10
California	6	5	11	Costa Rica	1	0	1
Colorado	3	2	5	Ecuador	1	0	1
Delaware	2	4	6	England	0	2**	2
District of Columbia	3	5	8	Ethiopia	2	0	2
Florida	3	4	7	Greece	0	1*	1
Georgia	1	3	4	Guatemala	1	0	1
Hawaii	0	2	2	Hong Kong	2	1	3
Idaho	1	0	1	Japan	3*	0	3
Illinois	10	6	16	Korea	1	0	1
Indiana	2	2	4	Lebanon	0	1*	1
Iowa	0	2	2	Malaysia	1	1	2
Kansas	1	0	1	Philippines	1*	0	1
Kentucky	2	1	3	Portugal	0	1*	1
Maryland	12	20	32	Taiwan	1	0	1
Michigan	2	5	7	Tanzania	1	0	1
Minnesota	7	10	17	Turkey	0	1	1
Missouri	3	3	6	Venezuela	0	1	1
Montana	0	1	1				
New Jersey	71	48	119				
New Mexico	0	2	2				
New York	92	76	168				
North Carolina	1	1	2				
Ohio	12	4	16				

Each * denotes one American citizen.

Degrees and Honors

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

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible, the student must have at least an average of 3.25 in the major and recommendation of the major department. The department recommends *distinction in the major* only for those very few students who, in the opinion of the department, merit special recognition.

In American colleges, it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This society, founded in 1776, restricts its chapters to leading colleges and universities, and maintains high scholastic standards. The Beta Chapter of Maine was organized at Colby in 1895.

Each spring, the college recognizes student achievement with the announcement of various honors and awards. Among those recognized are: members of Phi Beta Kappa; Senior Scholars for the ensuing year; winners of college prizes; 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.

Degrees Awarded at Commencement Sunday, June 3, 1973

BACHELOR OF ARTS

Yusef Akyuz, *Izmir, Turkey*
 Lucy Allen, *Barre, Mass.*
 Susan Louise Alling, *Bethpage, N.Y.*
 Nancy Lynn Alper, *Bethesda, Md.*
 Gail Elizabeth Andrews, *Nashua, N.H.*
 Paulette Louise Archambault, *Coventry, R.I.*
 Glenn Alan Armbruster, *Wellesley, Mass.*
 Jacqueline Holly Armitage, *Braintree, Mass.*
 Marc D. Aronson, *Rockville Centre, N.Y.*
 Gary Philip Arsenaault, *Fitchburg, Mass.*
 Terri L. Ashburn, *Tarrytown, N.Y.*
 Joyce Ruth Ashley, *Plymouth, Mass.*
 David Paul Averill, *Cape Elizabeth, Maine*
 Gulsun Ayse Aydinlar, *Istanbul, Turkey*
 Anne Badmington, *New London, N.H.*
 Mitchell Thomas Baer, *Schenectady, N.Y.*
 Thomas James Bailey, *Dover, Mass.*
 David Brian Baird, *Auburn, Maine*
 Priscilla Page Bakewell, *Huron, Ohio*
 Robin Bruce Barnes, *Ho-Ho-Kus, N.J.*
 Jean Catherine Beckman, *Erie, Pa.*
 Roger Daniel Belanger, *Berlin, N.H.*
 Lloyd David Benson, *Swampscott, Mass.*
 David Bruce Bergstrom, *Manlius, N.Y.*
 Marjorie F. Berman, *Salem, Mass.*
 Richard Merle Beverage, *Portland, Maine*
 Monica Louise Bignelli, *Woodbury, Conn.*
 Alan Harlow Blanker, *Greenfield, Mass.*
 Alberto Ernesto Bonadona, *La Paz, Bolivia*
 M. Teresa De Bonadona, *La Paz, Bolivia*
 Merrilee Bonney, *Augusta, Maine*
 Susan Alexandra Branscombe, *Scarsdale, N.Y.*
 Edward Martin Brennan, *Roselle, N.J.*
 J. Ward Briggs, *Waterville, Maine*
 Wayne Charles Brown, *Norfolk, Va.*
 Thomas Cilley Burley, *Concord, Mass.*
 Janice Lorraine Burnham, *Hanover, N.H.*
 Eileen Marie Burns, *South Portland, Maine*
 Heather Lee Burns, *Hingham, Mass.*

Romantha Dagmar Burow, *Sebec Village, Maine*
 Norma Jean Burrows, *Portland, Maine*
 Cindy Mae Canoll, *Schenectady, N.Y.*
 Peter Brian Card, *Bath, Maine*
 Patricia Todd Carlisle, *Bangor, Maine*
 Janet Alice Carpenter, *St. Johnsbury, Vt.*
 Richard James Cass, *Hyde Park, Mass.*
 Carol Ina Chalker, *Sanford, Maine*
 Carolyn Dawn Clarke, *Augusta, Maine*
 Helen Highwater Clarke, *London, England*
 Susan Colucci, *Wakefield, Mass.*
 Brian Edwin Cone, *Littleton, Mass.*
 Susan Louise Cook, *Melrose, Mass.*
 Patrick Joseph Costello, *Kensington, Md.*
 Suzanne Elizabeth Cross, *Brunswick, Maine*
 Susan Eleanor Crowley, *Mattapan, Mass.*
 Bruce Devereux Cummings, *Keene, N.H.*
 Jane Elizabeth Currier, *Plaistow, N.H.*
 Stephen Dennison Cushing, *Malden, Mass.*
 Deborah Ann Daley, *Marshfield, Mass.*
 James Reed Daly, Jr., *Bath, Maine*
 Juan de Lavalley, *Washington, D.C.*
 David William DeLong, *Hingham, Mass.*
 Susanna Elizabeth DeMers, *Trumbull, Conn.*
 Ida Cecile Dionne, *Nashua, N.H.*
 Gwynelle Dismukes, *Asheville, N.C.*
 Edward Thomas Dore III, *Litchfield, Conn.*
 Anne Zarina Mae Douglas, *Freeport, Maine*
 Mary Ellen Drozdal, *Hadley, Mass.*
 Richard Scott Dubin, *Worcester, Mass.*
 Francis Joseph Dunn, *Hong Kong*
 Seth Joseph Dunn, *Newington, Conn.*
 Dean Jordan Eaton, *Stoddard, N.H.*
 Kenneth Eisen, *Arlington, Va.*
 Joan Alice Emery, *Dar es Salaam, Tanzania*
 Richard English, *Jamaica Plain, Mass.*
 Richard Eric Englund, *Reading, Mass.*
 Rebecca Hill Farnum, *Falmouth, Maine*
 Sue Anne Feinberg, *Newton, Mass.*
 Jack J. Fine, *Pompton Lakes, N.J.*
 Jonathan Harry Fink, *Great Neck, N.Y.*

- Eleanor Neilson Fisher, *Villanova, Pa.*
 Gary Richard Fitts, *Pittsfield, Maine*
 Patricia Marie Flanagan, *Killingworth, Conn.*
 Martha Sue Fleming, *Southbury, Conn.*
 Carolyn Penney Floyd, *Farmington, Maine*
 Timothy Cleveland Gabriel, *North Haven, Conn.*
 Anne Douglass Garner, *Annapolis, Md.*
 Peter Michael Garrity, *St. Petersburg, Fla.*
 Francesca Cecelia Gates, *Springfield, Va.*
 Richard Lamb Gawthrop, *Westford, Mass.*
 Sarah Porter Gilbert, *Cape Elizabeth, Maine*
 Janet Sterling Gillies, *Westford, Mass.*
 Diane Lynn Gismondi, *Newtown, Conn.*
 David Pierce Godfrey, *Bangor, Maine*
 Thomas Upham Gordon, *Skowhegan, Maine*
 Douglas Warren Gorman, *Rehoboth, Mass.*
 Kenneth Woodard Gorman, *Rehoboth, Mass.*
 Hope Ilona Gottlieb, *Kenmore, N.Y.*
 Harvey Joseph Greenberg, *Sharon, Mass.*
 Barbara Lynn Gregory, *East Greenwich, R.I.*
 Shelley Gale Griffith, *Waldoboro, Maine*
 Kenneth N. Gross, *Natick, Mass.*
 Vincent George Guess, *Boston, Mass.*
 Geraldine Marie Guite, *Newark, N.Y.*
 Judy Beatrice Gundel, *Leonia, N.J.*
 Wallace Francis Haley, *Wellesley, Mass.*
 Chrisanne Hall, *Sudbury, Mass.*
 John Edward Halpin III, *Dedham, Mass.*
 Christine Gunson Hannon, *Upper Montclair, N.J.*
 Leslie Alleen Hansen, *Holicong, Pa.*
 Alice Emmalyn Hanson, *Fryeburg, Maine*
 Laura Harmon, *Bar Mills, Maine*
 Peter Brent Harriman, *Fairhaven, Mass.*
 Kenneth Russell Hart, *North Haven, Conn.*
 Michael Peter Hart, *Wellesley, Mass.*
 Caroline Stone Harwood, *Portola Valley, Calif.*
 Morrie Jack Herman, *Montreal, P.Q., Canada*
 Paul Coney Hersey, *Needham, Mass.*
 Patricia Louise Hickson, *Norwich, Vt.*
 Allan Dwight Hill, *Berkeley Heights, N.J.*
 Matthew Blackwell Hird, *East Longmeadow, Mass.*
 Barbara Gertrude Friederike Hoene, *Durham, N.H.*
 Charles James Hogan, *Metuchen, N.J.*
 David Bruce Hoitt, *Marblehead, Mass.*
 Tanya Elizabeth Homa, *Southport, Conn.*
 John F. Hornstein, *Skowhegan, Maine*
 Marguerite Marie Horrigan, *Weymouth, Mass.*
 Janet Sue Hueners, *Wilton, Conn.*
 Anne Huff, *Reading, Mass.*
 Douglas James Michael Hufnagle, *Aspinwall, Pa.*
 Paul Jonathan Ilsley, *Claremont, Calif.*
 Thomas Herbert Ireland, *Acton, Mass.*
 Jeanne Dorothy Irving, *Wakefield, Mass.*
 Alan Blair Janes, *Longmeadow, Mass.*
 Stephen Chester Jasinski, *Chicopee Falls, Mass.*
 Diane Rodgers Jeffrey, *Columbus, Ohio*
 Meredith Lee Jewett, *West Buxton, Maine*
 Janice Lillie Johnson, *Wilmette, Ill.*
 Jill Anne Jones, *North Whitefield, Maine*
 Joan Derbyshire Jones, *Waterville, Maine*
 Linda Jean Kagels, *Newtown, Conn.*
 Lisa Jane Kehler, *Manchester, Conn.*
 Mary Jane Kelly, *Lakewood, N.J.*
 Dorothy Fassett Kelsey, *Winston-Salem, N.C.*
 Libby Ellen Kesner, *Staten Island, N.Y.*
 Deborah Elizabeth Keyes, *Huntington, N.Y.*
 Peter Eaton Keyes, *Sheepscott, Maine*
 Luthene Gilman Kimball, Jr., *Centerville, Mass.*
 Marc Andrew Kimball, *Casper, Wyo.*
 James Francis King, *Windsor, Conn.*
 Sheila Elizabeth King, *Niantic, Conn.*
 Wendy Knickerbocker, *Bar Harbor, Maine*
 Kathryn Jean Knight, *Rumford, Maine*
 Ellen Louise Kornetsky, *Sanford, Maine*
 Andrew Charles Koss, *Baltimore, Md.*
 John Peter Krasnavage, *Norwalk, Conn.*
 John Bruce Kvernland, *Chatham, N.J.*
 Timothy David Landry, *Pointe Claire, P.Q., Canada*
 Robert W. Landsvik, Jr., *South Dartmouth, Mass.*
 Carole Josephine LaRose, *Lyndhurst, N.J.*
 Gary C. Lawless, *Belfast, Maine*
 Clifford Moore Lawrence, Jr., *Norridgewock, Maine*
 Geoffrey Alan Legg, *Brattleboro, Vt.*
 Janet Elaine Shea Legg, *Bath, Maine*
 Duncan Garland Leith, *Worcester, Mass.*
 Lois Ann Leonard, *Cheshire, Mass.*
 Jonathan Lee LeVeen, *Leicester, Mass.*
 Robert Noel Levine, *West Hartford, Conn.*
 Scott Michael Levine, *Cherry Hill, N.J.*
 William Lawrence Levine, *Newton Centre, Mass.*
 Margaret Lichtenberg, *Flushing, N.Y.*
 Jonathan Jay Linn, *Newton, Mass.*
 Alan Mark Linsky, *Natick, Mass.*
 Matthew Steele Livingston, *Weston, Mass.*
 Cynthia Ellen Lovitz, *Waterville, Maine*
 John Smith Lowe III, *Rockland, Maine*

- Christine Barbara Lyman, *Riverside, Conn.*
 Charles Alexander Macgregor, Jr., *Greenfield, Mass.*
 William Clinton Madden, *Hyannis, Mass.*
 Deborah Anne Mael, *Milford, Mass.*
 Nancy Wynne Magee, *Merion, Pa.*
 Ronald Majdalany, *Stamford, Conn.*
 Christine Paterson Mattern, *Scituate, Mass.*
 Joseph Costa Mattos, *East Providence, R.I.*
 William Peter Mayaka, *Kisii, Kenya*
 Robert Alan Mayer, *Glen Rock, N.J.*
 Lynn Ellis McGahey, *New London, N.H.*
 Mark Stephen McGlynn, *South Weymouth, Mass.*
 Elizabeth Patricia McGrath, *Wakefield, R.I.*
 Robert William McGurn, *Roxbury, Mass.*
 Cynthia Boyd McNeilly, *Greenville, R.I.*
 Margaret L. McPartland, *Houlton, Maine*
 Mary Elizabeth McPherson, *Marblehead, Mass.*
 Frank A. Mellen, *Kittery, Maine*
 George Davis Mesritz, *St. Clair Shores, Mich.*
 Elizabeth Roberta Michaud, *Bristol, Conn.*
 Wayne Robert Millen, *Lynnfield, Mass.*
 Jonathan Lewis Miller, *Brookline, Mass.*
 Jane Parker Morse, *Phippsburg, Maine*
 Kathleen Murphy, *Scituate, Mass.*
 Noredin Salah Nahawi, *Lowebedeh, Amman, Jordan*
 Elizabeth Marie Naylor, *Hyannis, Mass.*
 Stephen Abbot Neill, *Manchester, Conn.*
 Laurus Robertson Newby, *Falls Church, Va.*
 Jacquelyn Nienaber, *Ridgewood, N.J.*
 Robert Haynes Noyes, *South Waterford, Maine*
 Kathy Rosalyn O'Dell, *Chaffee, N.Y.*
 Toshiro Oguri, *Handa-City, Japan*
 Norman Hartman Olsen, Jr., *Cape Elizabeth, Maine*
 Robert Ashley O'Neil, *Princeton, N.J.*
 Robert Joseph O'Neil, *Mattapan, Mass.*
 Robert Thomas O'Neill, Jr., *Westfield, Mass.*
 Joel D. Ossoff, *Beverly, Mass.*
 Gregory Mark Page, *Bath, Maine*
 Richard John Page, *Fairfield, Maine*
 Lewis Endor Paquin III, *Barre, Mass.*
 Stephen Elliot Parsons, *Farmington, Conn.*
 Susan E. Pratt Penney, *New Britain, Conn.*
 Janet Leslie Perethian, *Needham, Mass.*
 Malcolm J. Perkins, *Kennebunk, Maine*
 Leslie Elaine Phillips, *Norway, Maine*
 Susan Jeanne Pinciario, *Beverly, Mass.*
 Alan Scott Polackwich, *Saco, Maine*
 Matthew Lexley Powell, *Denver, Col.*
 Barbara B. Powers, *East Providence, R.I.*
 Thane Kastle Pratt, *Honolulu, Hawaii*
 Christopher Lambert Prickett, *Middlebury, Vt.*
 James Russell Putnam, *Oakland, Maine*
 Gay Cameron Quimby, *East Derry, N.H.*
 Timothy Peter Quinn, *Pelham Manor, N.Y.*
 Robert Greer Ragsdale, *Pleasantville, N.Y.*
 Richard Lee Randazzo, *North Andover, Mass.*
 Martha Donovan Reinhardt, *Waterville, Maine*
 Susan M. Rennau, *Pelham Manor, N.Y.*
 Carol Ann Reynolds, *Stoneham, Mass.*
 Philip Anthony Ricci, Jr., *East Providence, R.I.*
 Lawrence Gifford Rider, *Rehoboth, Mass.*
 Peter John Rinaldi, *Wallingford, Conn.*
 Elizabeth Ann Rippere, *Hickory, N.C.*
 Betty Dix Robinson, *Chevy Chase, Md.*
 Mary Etta Robinson, *Easthampton, Mass.*
 Eleanor Seymour Robison, *Toledo, Ohio*
 Susan Jane Rogers, *Deerfield, Ill.*
 Eric Francois Rolfson, *Paris, France*
 Roberta Ann Rollins, *Braintree, Mass.*
 David Calvin Ross, *Braintree, Mass.*
 Rebecca Lynn Ross, *Omaha, Neb.*
 Ann M. Rubinstein, *Oceanside, N.Y.*
 Clark William Ruff, *Westport, Conn.*
 David Jeffrey Sampson, *Woodbridge, Conn.*
 James Albert Sanborn, *South Windham, Maine*
 Cynthia Betty Sanders, *West Springfield, Mass.*
 Cynthia Carol Santillo, *Framingham, Mass.*
 Susan Alma Schink, *Ridgewood, N.J.*
 Christine Ann Schopp, *Braintree, Mass.*
 Ronald Bruce Schwartz, *Great Neck, N.Y.*
 Curtis Adams Sears, *Dalton, Mass.*
 Mark Richard Serdjenian, *East Greenwich, R.I.*
 Neal Shadoff, *Swampscott, Mass.*
 Roger B. Sherman, *Closter, N.J.*
 Leona Mary Sidelinger, *Warren, Maine*
 John Jacob Sigel, *Worcester, Mass.*
 Patricia Africa Sills, *Farmington, Maine*
 Susan M. Sinclair, *Bangor, Maine*
 Sarah Ellen Slaughter, *Scott Depot, W.Va.*
 Joseph Colby Small, *Bath, Maine*
 Bruce Hugh Smith, *Florham Park, N.J.*
 Gregory White Smith, *Columbus, Ohio*
 Henry Joseph Sockbeson III, *Old Town, Maine*
 Patience Ann Stoddard, *Providence, R.I.*
 Kathryn Ann Stover, *Perkinsville, Vt.*
 Jean Lorraine Straehl, *Tallahassee, Fla.*

Ingrid Ellen Svensson, *Monroe, Conn.*
 David Barry Swardlick, *Canton, Mass.*
 David Karl Thomas, *Easton, Pa.*
 Lynn Breckinridge Tinker, *Winslow, Maine*
 Charles Malcolm Tucker, *Hampton Bays, N.Y.*
 Robert Enrico Ugucioni, *Palmer, Mass.*
 Richard James Valone, *Utica, N.Y.*
 Gretchen Gale VanTassel, *Westbrook, Maine*
 Kenneth Paul Viens, *Waterville, Maine*
 Monica von Dobeneck, *Redding, Conn.*
 Samuel Leonard Wagner, *Winterport, Maine*
 Richard Brandon Watson, *Weston, Mass.*
 Richard Barry Wein, *Valley Stream, N.Y.*
 George Henry Weltman, *New York, N.Y.*
 Karen Louise Wetmore, *Bethesda, Md.*
 Martha Christine Thurber Wetmore, *Stowe, Vt.*
 Aram White, *Waldwick, N.J.*
 Sarah Dayton Whitney, *Amherst, N.H.*
 Lucia Winifred Whittelsey, *Merion, Conn.*
 Mark H. Whitworth, *Canton, Mass.*
 Douglas Robert Williams, *Barrington, R.I.*
 Laurie Anne Williams, *Salem, Conn.*
 Sterling G. Williams, *Gorham, Maine*
 Jack H. Williamson, *Detroit, Mich.*
 Deborah Ann Wilson, *Menlo Park, Calif.*
 Frank Alexander Wilson, *Lowell, Mass.*
 Karen Wintringham, *Elizabeth, N.J.*
 Stephen L. Woerner, *Barrington, R.I.*
 Penelope Susan Wolf, *Portland, Maine*
 Stuart B. Wolf, *Manchester, Conn.*
 Thomas Eugene Wood, *Woodbury, Conn.*
 Colin Peter Younker, *Charlottetown, P.E.I., Canada*
 Susan Lee Yovic, *Baie d'Urfe, P.Q., Canada*
 Richard Wayne Zaccaro, *Canfield, Ohio*
 Carter Michael Zervas, *Gardiner, Maine*

As of the Class of 1972

Frances Allyn Birkinbine, *Framingham, Mass.*
 George Kirsten Clark, *Dakar, Republic of Senegal*
 David Alexander Graves, *Orono, Maine*
 Gordon Kennedy McLean, *Hanover, N.H.*
 Polly Abbott Pattison, *Los Angeles, Calif.*
 Barry Nathan Wilensky, *New London, Conn.*

As of the Class of 1971

John Stanton Dowling, *Syracuse, N.Y.*
 Alicia Ritts Emery, *Greenwich, Conn.*
 Elizabeth Krupnick Perse, *New York, N.Y.*
 Ann Payne Quackenbos, *Westfield, N.J.*

As of the Class of 1970

William Albert Akins, *Winslow, Maine*

As of the Class of 1959

Stephen Barry Levine, *Waterville, Maine*

Degrees Granted in October as of the Class of 1972

Pamela A. Rudolf Barrios, *Los Angeles, Calif.*
 Randall Hebert Childs, *Old Greenwich, Conn.*
 Marion John Pawlek, *Kittery, Maine*
 William Drake Perricelli, *Englewood, N.J.*
 Harry James Stabile III, *Winchester, Mass.*

MASTER OF SCIENCE IN TEACHING

Sherman Weston Adams, *Wallingford, Vt.*
 Paul Richard Aldrich, *Eliot, Maine*
 Laurence Austin, *Bayside, N.Y.*
 John Samuel Bailey, *Salyersville, Ky.*
 Lewis Lane Bailey, *Jackson, Mich.*
 Robert John Barbieri, *Berlin, N.H.*
 Marshall Burton Barker, *Hanover, Mass.*
 Theodore Charles Bense, *Mirror Lake, N.H.*
 Richard Grover Bisbing, *Leighton, Pa.*
 James Richard Campbell, *Hanover, Mass.*
 Rolfe Cleland Chandler, *Sterling, Va.*
 Wayne Alan Cook, *Skowhegan, Maine*
 Harold George Crossman, Jr., *Portsmouth, N.H.*
 Ervin F. Doyle, *Troy, N.H.*
 Saul Solomon Goodman, *Livingston, N.J.*
 Robert Phillips Huey, *Geneseo, N.Y.*
 Lillian Reed Jensen, *Baltimore, Md.*
 Vincent Xavier Lemieux, *Wilton, Maine*
 Paul Scott Nelson, *Waterville, Maine*
 Gary Curtis Osborn, *Fairfield, Maine*
 Walter Valentine Prella, *Valencia, Calif.*
 Keith Eugene Schimke, *Port Washington, Wis.*
 Richard Manley Snethen, *Springville, N.Y.*
 Peter Ward Stackpole, *North Reading, Mass.*

HONORARY DEGREE RECIPIENTS

Patricia Roberts Harris
Doctor of Laws

Philip C. Jessup
Doctor of Laws

Mary Hatch Marshall
Doctor of Letters

Agnes Mongan
Doctor of Fine Arts

Libby Pulsifer
Doctor of Science

Elizabeth Shull Russell
Doctor of Science

John W. Stevens
Doctor of Laws

Edward Hill Turner
Doctor of Humane Letters

Karl Oscar Werwath
Doctor of Science

Honors

BACHELOR'S DEGREE WITH HONORS

Summa Cum Laude

Jean Catherine Beckman
Richard Lamb Gawthrop
Carole Josephine LaRose
Susan Jeanne Pinciaro
Gay Cameron Quimby
Sarah Ellen Slaughter
Gregory White Smith

Magna Cum Laude

Glenn Alan Armbruster
Robin Bruce Barnes
Richard Merle Beverage
Merrilee Bonney
Heather Lee Burns
Norma Jean Burrows
Ida Cecile Dionne
Judy Beatrice Gundel
Chrisanne Hall
Cynthia Ellen Lovitz
Christine Paterson Mattern
Gordon Kennedy McLean ('72)
Richard John Page
Mary Etta Robinson
Ronald Bruce Schwartz
Roger B. Sherman
Joseph Colby Small
Ingrid Ellen Svensson
Richard James Valone

Cum Laude

Lucy Allen
Paulette Louise Archambault
Jacqueline Holly Armitage
Marc D. Aronson

Alan Harlow Blanker
Eileen Marie Burns
Cindy Mae Canoll
Edward Thomas Dore III
Richard Scott Dubin
Seth Joseph Dunn
Alicia Ritts Emery ('71)
Joan Alice Emery
Jonathan Harry Fink
Hope Ilona Gottlieb
Barbara Lynn Gregory
Kenneth N. Gross
Charles James Hogan
Jeanne Dorothy Irving
Stephen Chester Jasinski
Linda Jean Kagels
Mary Jane Kelly
Marc Andrew Kimball
Wendy Knickerbocker
Geoffrey Alan Legg
Nancy Wynne Magee
Lynn Ellis McGahey
Cynthia Boyd McNeilly
Toshiro Oguri
Alan Scott Polackwich
James Russell Putnam
Timothy Peter Quinn
Susan Jane Rogers
Roberta Ann Rollins
David Calvin Ross
Ann M. Rubinstein
Cynthia Carol Santillo
Neal Shadoff
Monica von Dobeneck
Karen Louise Wetmore
Martha Christine Thurber Wetmore

Laurie Anne Williams
Susan Lee Yovic

DISTINCTION IN THE MAJOR

Administrative Science

Glenn Alan Armbruster
Douglas Warren Gorman
Kenneth Woodard Gorman
Stephen Chester Jasinski
Lisa Jane Kehler
Richard James Valone

American Studies

Wendy Knickerbocker
Scott Michael Levine
Robert William McGurn

Art

Richard John Page
Susan Jane Rogers
David Barry Swardlick
Martha Christine Thurber Wetmore
Carter Michael Zervas

Biology

Alice Emmalyn Hanson
Gordon Kennedy McLean ('72)
Sterling G. Williams

Chemistry

Jean Catherine Beckman
Judy Beatrice Gundel
Alan Blair Janes
Neal Shadoff
Richard Barry Wein

Classics-English

Gay Cameron Quimby

East Asian Studies

Helen Highwater Clarke
Cynthia Ellen Lovitz

Economics

Susan Jeanne Pinciario

Economics-Mathematics

Geoffrey Alan Legg

English

Eileen Marie Burns
Richard Scott Dubin
Kenneth Eisen
Marc Andrew Kimball

Scott Michael Levine
Margaret L. McPartland
Mary Etta Robinson
Susan Jane Rogers
Roberta Ann Rollins
Ann M. Rubinstein
Cynthia Carol Santillo
Gregory White Smith
Patience Ann Stoddard

Environmental Studies

Karen Louise Wetmore

French

Hope Ilona Gottlieb

Geology-Biology

Jonathan Harry Fink
Karen Louise Wetmore

German

Ingrid Ellen Svensson
Karen Wintringham

Government

Alan Harlow Blanker
Rebecca Hill Farnum
Charles James Hogan
Ronald Bruce Schwartz
Susan Lee Yovic

History

Lucy Allen
Robin Bruce Barnes
Merrilee Bonney
Seth Joseph Dunn
Richard Lamb Gawthrop
Kenneth N. Gross
Matthew Blackwell Hird
George Davis Mesritz
Robert Joseph O'Neil
James Albert Sanborn
Laurie Anne Williams
Susan Lee Yovic

Mathematics

Paulette Louise Archambault
Richard Merle Beverage
Norma Jean Burrows
Susan Jeanne Pinciario
David Calvin Ross
Joseph Colby Small

Music

Ida Cecile Dionne
Lynn Ellis McGahey

Philosophy

Marc D. Aronson
Robin Bruce Barnes
Heather Lee Burns
Edward Thomas Dore III
Mary Jane Kelly
Roger B. Sherman

Philosophy-Religion

Clifford Moore Lawrence, Jr.
Christine Paterson Mattern

Psychology

Marc D. Aronson
Nancy Wynne Magee
Stephen Abbot Neill
Patricia Africa Sills
Sarah Ellen Slaughter

Russian

Ida Cecile Dionne

Sociology

Cindy Mae Canoll
Linda Jean Kagels
Jonathan Lewis Miller
Robert Greer Ragsdale
Betty Dix Robinson

Spanish

Chrisanne Hall
Jeanne Dorothy Irving
Carole Josephine LaRose

PHI BETA KAPPA

Elected in Junior Year

Heather Lee Burns
Richard Lamb Gawthrop
Judy Beatrice Gundel
Susan Jeanne Pinciario
Mary Etta Robinson
Joseph Colby Small

Elected in Senior Year

Paulette Louise Archambault
Glenn Alan Armbruster
Robin Bruce Barnes
Jean Catherine Beckman
Richard Merle Beverage

Alan Harlow Blanker
Merrilee Bonney
Norma Jean Burrows
Ida Cecile Dionne
Seth Joseph Dunn
Jonathan Harry Fink
Hope Ilona Gottlieb
Barbara Lynn Gregory
Kenneth N. Gross
Chrisanne Hall
Jeanne Dorothy Irving
Mary Jane Kelly
Wendy Knickerbocker
Carole Josephine LaRose
Cynthia Ellen Lovitz
Christine Paterson Mattern
Richard John Page
James Russell Putnam
Gay Cameron Quimby
Cynthia Carol Santillo
Ronald Bruce Schwartz
Roger B. Sherman
Sarah Ellen Slaughter
Gregory White Smith
Ingrid Ellen Svensson
Richard James Valone
Karen Louise Wetmore
Laurie Anne Williams

SENIOR SCHOLARS

Richard James Cass
Eyes on the Branches
30 poems and an essay on poetry

Richard Scott Dubin
The Narrative Structure of Lord Byron's
Don Juan

Francesca Cecelia Gates
The Effects of Ethyl Alcohol on the Livers,
Kidneys, Adrenal Glands and Brains of
C57BL/6J and BALB/CJ Mice

Jonathan Lewis Miller
The Growth of Transcendental Meditation:
A Sociological Study

Richard John Page
Painting

Mark Richard Serdjenian
Writing and Illustrating Children's Literature

Neal Shadoff

*The Development of a Defense System
against Coxsackievirus B5 Infection
in Suckling Mice*

Martha Christine Thurber Wetmore
Mural Painting

Karen Wintringham

*The Education of a Computer:
Development of Computer-Assisted
Instruction of German Grammar*

JULIUS SEELYE BIXLER SCHOLARS

Class of 1973

Richard Lamb Gawthrop
Carole Josephine LaRose

Class of 1974

Karen Dee Sawitz

Class of 1975

Celeste Christie Keefe
Sandra Lou McGowan
Barbara Lynn Miller
Prudence Elizabeth Reed
Janice Anne Waitt

Class of 1976

Diane Susan Szymkowicz

CHARLES A. DANA SCHOLARS

Class of 1973

Paulette Louise Archambault
Alberto Ernesto Bonadona
Heather Lee Burns
Ida Cecile Dionne
Edward Thomas Dore III
Seth Joseph Dunn
Hope Ilona Gottlieb
Judy Beatrice Gundel
Chrisanne Hall
Wendy Knickerbocker
Clifford Moore Lawrence, Jr.
Warren Kimball Oakes
Lewis Endor Paquin III
Susan Jeanne Pinciaro
Gay Cameron Quimby
Sarah Ellen Slaughter
Joseph Colby Small

Ingrid Ellen Svensson

Class of 1974

Lisa Marie Brinkman
Phyllis Ann Brown
Lynne D'Orlando
Catherine Mary Downes
Mark Joel Goldman
Ronda Fay Luce
Brian Scott MacQuarrie
Thomas Newell Metcalf III
Patricia Rachal
Norman James Rattey, Jr.
Barbara Foster Ryder
Maryann Elizabeth Sartucci
Craig Lawrence Weston

Class of 1975

Philip Raymond Agress
Mary Jo Bastron
Joseph Whitney Bowen
Carolyn Theresa Deuringer
Gail Patricia Dixon
JoAnn Louise Fletcher
Craig Alan Houston
Wendy Laura King
Jennifer Mustard
George Leonard Neuberger, Jr.
Sharon Marden Rapp
Deborah Ann Seel
Bernice Margaret Smith
Robin Lee Uerner
George Roland Watts III
Robert Patrick Wood

Class of 1976

Thomas Edward Angers
Ann Wilson Beadle
Martha McDowell Bell
Toby Elaine Bobbitt
Scott Dale Butchart
Ambrose Lin-Yau Cheung
Christine Foster
Carrie Louise Getty
Robert Earl Gray
Virginia Amanda Jaschke
John McKinstry Maull
Joanna Roberts Pease
Esther Mae Smith
Julia Elizabeth Stewart

College Prizes 1972-73

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.

THERESA HILDA BARNES '75, ROBERT WALTER EVANS, JR. '75, MICHAEL WAYNE HANF '75, PETER MICHAEL McNICHOLAS '75, JONATHAN CHARLES PACE '75, DAVID ALAN WHITE '75, RICHARD DAVID WHITECAR '75.

Bixler Bowl Award. Awarded to that fraternity which has as a group contributed most constructively to the overall work of the college program.

Not awarded.

Bixler Scholarships. Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

Frederick F. Brewster Honor Scholarships.

NELLIE L. DLUGAZIMA '77, SAMUEL RENE RIVERA '77.

Colby Library Associates Book Prize.

RICHARD SCOTT DUBIN '73.

Condon Medal. Gift of the late Randall J. Condon '86, awarded to the senior who, by vote of his classmates and approval by the faculty, is deemed "to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life."

CHARLES JAMES HOGAN '73.

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.

MARTHA JEAN AREY '74.

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."

MARTHA LOUISE DEWEY '76, GEORGE THOMAS GREEN '76.

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.

CAROLYN THERESA DEURINGER '75.

Lieutenant John Parker Holden, II, Award. For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

JAMES MICHAEL HAYES '76.

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

LEWIS ENDOR PAQUIN III '73.

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 CHARLES LAPENNA '74.

Lorraine Morel Memorial Award. Given to a junior woman who, by her sense of purpose and service, has made significant contributions to the academic and social life of the campus.

MARTHA ANN BERNARD '74.

George T. Nickerson Award. Presented by the Council of Fraternity Presidents to the fraternity that fosters to the greatest extent student, faculty, and administrative relations.

Not awarded.

Laurie Peterson Memorial Book Prize. Given to a junior government major who, through academic achievement and evidence of leadership and character, has made an outstanding contribution to the department.

PATRICIA RACHAL '74.

Ninetta M. Runnals Scholarship. Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.

RONDA FAY LUCE '74.

Scott Paper Foundation Award for Leadership. Awarded to a sophomore man who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.

KEVIN SCOTT COOMAN '75.

Student Government Service Awards. Presented to a senior man, a senior woman, and a college employee for service to the college. WAYNE CHARLES BROWN '73, JACQUELINE HOLLY ARMITAGE '73, JOHN RAYMOND ZACAMY, director of student activities.

Philip W. Tirabassi Memorial Award. A book awarded to a junior man who has "willingly assisted his classmates, promoted the best interests of the college, and maintained a superior academic average."

DANIEL RAPAPORT '74.

Carrie M. True Award. Given to a woman selected for pronounced religious leadership and influence on the life of the college.

JEAN ALICE CROWLEY '75.

Waterville Area Colby Alumni Association Award. Presented for scholastic and personal achievement to a senior from the Waterville area.

KENNETH PAUL VIENS '73.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

LYNNETTE FRANCES CILLEY '74, PHILIP HENRY DEFORD '74, STEN CHRISTIAN GOODHOPE '74.

Ernest L. Parsons Prizes.

GLENN ALAN ARMBRUSTER '73, STEPHEN CHESTER JASINSKI '73.

The Wall Street Journal Award in Finance.

ALFRED ALAN TRAVERSI '74.

ART AND ARCHITECTURE *Maine Chapter of the American Institute of Architects Prizes.*

1st Prize: HEATHER LEE BURNS '73, DEBORAH ANN DALEY '73.

2nd Prize: ROBERT GUY FREEMAN '74, ARAM WHITE '73.

3rd Prize: JOANNE TANKARD '74.

Charles Hovey Pepper Prize.

MARTHA CHRISTINE THURBER WETMORE '73.

CLASSICS *John B. Foster Prizes.*

JOSEPH WHITNEY BOWEN II '75, MARIAN HARTMAN '75, GAY CAMERON QUIMBY '73.

DRAMATICS *Andrew Blodgett Award.*

CYNTHIA CAROL SANTILLO '73.

ECONOMICS *Departmental Prizes in Economics.*

ALAN MARK LINSKY '73, SUSAN JEANNE PINCIARO '73.

ENGLISH *Mary Low Carver Prizes for Poetry.*

Women: *1st Prize:* RACHEL FLINDELL PETERS '75.

2nd Prize: HEATHER LEE BURNS '73.

Men: 1st Prize: JONATHAN PUTNAM DAVIS '76.

2nd Prize: RUSSELL ALAN SEHNERT '75.

Solomon Gallert Short Story Prizes.

1st Prize: SUSAN DIANA STORK '74.

2nd Prize: LINDEN DULANEY SUMMERS III '74.

Elmira Nelson Jones Essay Prize.

KENNETH EISEN '73.

HISTORY AND GOVERNMENT *The F. Harold Dubord Prize in Political Science.*

REBECCA HILL FARNUM '73.

Paul A. Fullam History Prize.

RICHARD LAMB GAWTHROP '73.

Edward Lampert History Prize.

KENNETH N. GROSS '73.

William J. Wilkinson History Prize.

MARTIN GERARD BATTCOCK, JR. '74.

MODERN LANGUAGES *Delta Phi Alpha German Prizes.*

PATRICIA MARIE FLANAGAN '73, LEWIS ENDOR PAQUIN III '73.

French Book Prizes.

STEPHEN JAMES CAPALDO '74, JOAN ALICE EMERY '73, HOPE ILONA GOTTLIEB '73, BARBARA JANE McCARTY '76, CHRISTINE ANN SCHOPP '73, DIANE SUSAN SZYMKOWICZ '76, ANDREW MARTIN ZELLER '74.

German Consulate Book Prizes.

ROBIN JANE HAMILL '74, KAREN WINTRINGHAM '73.

Japanese Embassy Book Prizes.

HELENA DUNN '74, MARSHA ELLEN MANN '76.

Harrington Putnam German Prizes.

CHRISTINE MARY BEALE '75, ROBERT BRUCE GREGORY, JR. '76, RICHARD CASE NORWOOD, JR. '75, CHRISTINE ANN SCHOPP '73, SANDRA JANE SPURR '74, JULIA ELIZABETH STEWART '76.

Russian Book Prizes.

Not awarded.

Spanish Book Prizes.

JOHN ARAUJO '76, MARTIN GERARD BATTCOCK, JR. '74, SCOTT DALE BUTCHART '76, FRANCIS XAVIER CALLANAN '76, SHIRLEY MAE CUNNINGHAM '76, LINDA ANN GUTE '75, PAULA NANCY LUST '76.

MUSIC *Colby College Band Award.*

DAVID HILL BAILEY '74.

Glee Club Awards.

IDA CECILE DIONNE '73, JAMES FRANCIS KING '73.

Alma Morrissette Award.

Not awarded.

Symphony Orchestra Awards.

CAROL ROLFE FOSS '75, CLAUDIA JOAN KRAEHLING '74.

NATURAL SCIENCES *ACS Undergraduate Award in Analytic Chemistry.*

ALAN BLAIR JANES '73.

American Institute of Chemists Medal.

JEAN CATHERINE BECKMAN '73.

The Webster Chester Biology Prize.

ALICE EMMALYN HANSON '73.

Chi Epsilon Mu Prize in Chemistry.

RAYMOND WALTER PETZOLD '76.

*Departmental Prizes in Science.**Biology:* RUTH ANNE RICHARDS '74, DEBORAH ANN SEEL '75
STERLING G. WILLIAMS '73.*Chemistry:* JEAN CATHERINE BECKMAN '73, CRAIG ALAN HOUSTON
'75, BARRY WAYLAND WALCH '74, CRAIG LAWRENCE WESTON '74
MARTIN COLTON WOMER '75.*Geology:* ELEANOR LURAH BETZ '75, CHRISTOPHER POZZY CARLISLE
'74, JONATHAN HARRY FINK '73, FREDERICKA SUZANNE OTT '76.*Mathematics:* RICHARD MERLE BEVERAGE '73, CATHERINE MARY
DOWNES '74, ROBIN LEE URNER '75, GEORGE ROLAND WATTS III '75*Physics:* JOHN ARTHUR CONANT '75, FRANCIS JOSEPH DUNN '73
GUY HAMILTON HAYES '75.*Samuel R. Feldman Award for Premedical Studies.*

JAMES RUSSELL PUTNAM '73.

Mark Lederman Prize for Study of Medicine.

Not awarded.

Mark Lederman Scholarships in Biology.

RONDA FAY LUCE '74, ROBERT PATRICK WOOD '75.

William A. Rogers Prize in Physics.

CAROLYN DUSTY '74.

Alan Samuel Coit Biology Prize.

KAREN WINTRINGHAM '73.

PHILOSOPHY *Stephen Coburn Pepper Prize in Philosophy.*

HEATHER LEE BURNS '73.

PUBLIC SPEAKING *Coburn Speaking Prizes.**1st Prize:* STEPHEN ABBOT NEILL '73, REBECCA LYNN ROSS '73.*2nd Prize:* NICHOLAS BALLAS '74.*3rd Prize:* GARY PHILIP ARSENAULT '73, CYNTHIA CAROL SANTILLO '73.*Goodwin Public Speaking Prizes.**1st Prize:* BRUCE DEVEREUX CUMMINGS '73.*2nd Prize:* SARA ANN EARON '74.*3rd Prize:* NORMAN HARTMAN OLSEN, JR. '73, SCOTT HENRY SURDUT '74.*Hamlin Speaking Prizes.**1st Prize:* JANE WHITELEY '76.*2nd Prize:* PAULA ANN SACKS '76.*3rd Prize:* SCOTT ANDERSON '76.*Julius and Rachel Levine Speaking Prizes.**1st Prize:* CHARLES JAMES HOGAN '73.*2nd Prize:* BRUCE DEVEREUX CUMMINGS '73.*3rd Prize:* DAVID JOSEPH FINGER '74.*Herbert Carlyle Libby Prize.*

Not awarded.

*Murray Debating Prizes.**1st Prize:* SARA ANN EARON '74.*2nd Prize:* BRUCE DEVEREUX CUMMINGS '73.**SOCIOLOGY** *Albion Woodbury Small Prizes.*

STEPHEN MARTIEN KELSEY '74.

ATHLETICS *J. Seelye Bixler Award in Track.*

LEWIS ENDOR PAQUIN III '73.

James Brudno Award in Track.

EMMANUEL STARR MYERS '75.

*Coaches Awards.**Basketball:* JOHN BRUCE KVERNLAND '73.*Football:* PETER BRIAN CARD '73, BRIAN EDWIN CONE '73, LUTHENE GILMAN KIMBALL, JR. '73, JOHN PETER KRASNAVAGE '73, ROBERT W. LANDSVIK, JR. '73, DAVID RAYMOND LANE '73, ROBERT THOMAS O'NEILL, JR. '73, FRANK ALEXANDER WILSON '73.*Baseball:* DANIEL RAPAPORT '74.*David W. Dobson Memorial Skiing Award.*

JOHN EVERARD WENTWORTH '73.

Peter Doran Award in Track.

MALCOLM J. PERKINS '73.

Paul F. "Ginger" Fraser Award for a Nonletterman in Football.
MARK PETER TANGUAY '76.

Free Throw Award in Basketball.
THOMAS STEPHEN SULLIVAN '74.

Robert LaFleur Memorial Basketball Award.
BRADFORD ARTHUR MOORE '75.

Gilbert F. "Mike" Loeb's Soccer Award.
ALLAN DWIGHT HILL '73.

Ellsworth W. Millett Award for Outstanding Contribution to Athletics over Four Years.
BRIAN EDWIN CONE '73.

Ellsworth W. Millett Hockey Award.
RICHARD ERIC ENGLUND '73.

Cy Perkins Track Award.
DAVID ARTHUR DELANDE '75.

Edward C. Roundy Memorial Baseball Award.
GARY DAVID MILLEN '74.

Mike Ryan Track Award.
EDWARD ADAM SNYDER '75.

Theodore N. Shiro Basketball Award.
MORRIE JACK HERMAN '73.

Herbert E. Wadsworth Football Award.
BRIAN EDWIN CONE '73.

Robert "Tink" Wagner Baseball Award.
KEVIN PATRICK MAYO '75.

Norman E. Walker Hockey Award.
PAUL DAMIEN HATTON '75.

Norman R. White Leadership and Sportsmanship Award.
DAVID RAYMOND LANE '73.

Matthew Zweig Award.
WILLIAM LOUIS CLAY '74.

Interviewers for Admission 1973-74

ALASKA

Fairbanks 99701

Dr. William V. Chase '62

Mrs. William V. Chase
(Barbara Haines '63)

151 Hamilton Avenue, #1

ARIZONA

Tempe 85283

Dr. Randall L. Holden, Jr. '65

Mrs. Randall L. Holden, Jr.
(Pamela Harris '66)

1121 East Watson Drive

CALIFORNIA

Eureka 95501

Mrs. Sara S. Johnson '58

(Sara M. Stewart)
2140 South Street

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)

1623 Silver Dell

Los Altos 94022

Mrs. Lawrence W. Carr

(Janice Rideout '60)
24285 Summerhill

Santa Maria 93454

The Rev. Robert Peale '51

500 South Concepcion

COLORADO

Denver

Mr. Ceylon L. Barclay '63

P.O. Box 5588 T.A. 80217

Mrs. George Clymer

(Janet Kimball '57)
508 High Street 80218

Miss Martha DeCou '66

1000 South Osage Avenue 80223

Golden 80401

Mr. Lawrence R. Pugh '50

6 Dekker Drive

Littleton 80122

Mr. Nathaniel Butler '63

Mrs. Nathaniel Butler

(Karen Moore '63)

6838 South Elizabeth Street

CONNECTICUT

Darien 06820

Mr. Richard Aube '66

24 Park Lane

Lakeville 06039

Mr. Arthur White '52

Hotchkiss School

Manchester 06040

Miss Paula 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 06711

Mr. Henry N. Silverman '61

281 West Rock Avenue

Southbury 06488

Mrs. James C. Hummel

(Jean Smith '59)

White Oak

Stamford

Mr. Karl B. Ostendorf '66

196 Ridge Park Avenue 06905

Mr. Jay H. Sandak '68

Greycliff Wallachs Drive 06902

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

West Redding 06896

Mr. George M. Cain '66

R.F.D. #1

Willimantic 06226

Mr. Thomas Callaghan '23

201 Lewiston Avenue

(From November 15 to April 15:

5505 North Ocean Boulevard

Delray Beach, Florida 33444)

Wilton 06897

Mr. Robert E. Neilson '59

26 Woodchuck Lane

FLORIDA

Boca Raton 33432

Mr. William D. Hood '61

P.O. Box 974

Jacksonville 32217

Dr. Carl E. Reed '35

7378 San Jose Boulevard

GEORGIA

Clarkston 30021

Miss Betty Ciaffone '69

3819 K Brockett Trail

ILLINOIS

Charleston 61920

Mrs. William H. Ackerman

(Mary Michelmores '63)

1019 Coolidge Avenue

Chicago 60637

Mr. Peter W. Mackinlay '70

International House, Rm. 941

1414 East 59th Street

Darien 60559

Mrs. Eugene Ryzewicz

(Carolyn R. Welch '68)

6728 Tennessee

Evanston 60201

Dr. James P. Dolian '63

Mrs. James P. Dolian

(Joan Richards '65)
1926 Sherman Avenue

Glen Ellyn 60137
Mr. Robert G. Hartman '60
23W224 Cambridge Court

INDIANA

Indianapolis 46256
Mrs. Albert J. Robinson
(Marcia Peterson '60)
7221 Scarborough Boulevard
East Drive

Richmond 47374
Prof. Claude Stinneford '26
404 College Avenue

KENTUCKY

Louisville 40222
Mr. William P. Clark '58
Mrs. William P. Clark
(Nancy J. Harmon '58)
1610 Clearview Drive

MAINE

Bangor 04401
Mr. Roderick Farnham '31
Mrs. Roderick Farnham
(Margaret Davis '28)
M.R.C. Box 17

Camden 04843
Mrs. Kenneth E. Danielson
(Roberta Stockwell '67)
Molyneaux Road

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

Rumford Center 04278
Mr. Kenneth P. Nye '64
Star Route

Scarboro 04074
Mr. Thomas Skolfield '59
Oak Hills

Winterport 04496
Mrs. Gordon Bowie
(Mary Stimson '65)
Box 93

MARYLAND

Chevy Chase 20015
Mrs. George C. Spiegel
(Betty Ann Royal '42)
8803 Clifford Avenue

MASSACHUSETTS

Andover 01810
Mr. Leland Potter '67
Mrs. Leland Potter
(Linda Mitchell '66)
10 Torr Road

Bedford 01730
Mr. Benjamin R. Sears '52
31 Sweetwater Avenue

Beverly 01915
Mr. Gerald Wolper '58
6 Berrywood Lane

Brockton 02401
Mr. Herbert Nagle '52
106 Crickett Road

Mr. Ronald J. Saad '65
75 Huntington Street

Brookline 02146
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

Miss Susan Nutter '66
1729 Wedgewood Common

Danvers 01923
Mr. Robert S. Lee '51
Hotwatt, Inc.
128 Maple Street

Dover 02030
Mr. William C. Foehl '59
Centre Street

Edgartown 02539
Mrs. Stephen Gentle
(Mary Ballantyne '62)
Box 331

Falmouth 02540
Mr. George H. Leberherz, Jr. '52
61 Miami Avenue

Fitchburg 01420
Mr. Richard Fields '61
Renauld International, Ltd.
380 River Street

Framingham 01701
Mr. Stephen Wurzel '69
15 Rolling Lane

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

Lexington 02173
Mr. Benjamin C. Potter, Jr. '64
42 Middle Street

Manchester 01944

Mr. David Berquist '61
4 Harrington Way

Marblehead 01945

Mrs. Richard B. Canton
(Marilyn Perkins '58)
12 Gallison Avenue

Mr. David Thaxter '62
13 Sagamore Road

Marshfield 02050

Mr. Fred J. Wetzel '65
Meetinghouse Lane

Natick 01760

Mr. J. Cary Parsons '65
Mrs. J. Cary Parsons
(Janice Wood '65)
15 Greenleaf Road

Newton Highlands 02161

Mr. Marvin S. Joslow '48
74 Elinor Road

Newtonville 02160

Mr. Howard L. Ferguson '31
133 Lowell Avenue

Northampton 01060

Dr. David Morse, Jr. '52
Mrs. David Morse
(Deborah Brush '52)
26 Washington Avenue

Mrs. Kiernan J. Murphy '55
56 Ridgewood Lane

North Andover 01845

Mrs. Douglas B. Allan
(Elizabeth Swanton '33)
37 Bradstreet Road

Mr. Dennis Dionne '61
99 Raleigh Tavern Road

Northboro 01532

Mr. Brian Shacter '66
64 Cedar Hill Road

Norwood 02062

Mr. Charles R. Levin '67
2704 Village Road West

Peabody 01962

Mr. Richard A. Vose '51
2 Livingston Drive

Plymouth 02360

Mr. Andrew Karkos '31
14 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

Somerset 02736

Mr. Raymond J. Billington '54
Mrs. Raymond J. Billington
(Priscilla Eaton '53)
217 Pratt 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

Topsfield 01983

Mrs. Richard L. Hampton
(Eugenie Hahlbohm '55)
48 Fox Run Road

Walpole 02081

Mr. Whitford S. Bond '63
1270 North Street

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

Westfield 01085

Mr. Arthur E. Goldschmidt, Jr. '59
55 Broadway

Worcester 01602

Mr. William Byers '61
28 Saxon Road

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

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

MINNESOTA

Minneapolis 55410

Mrs. Howard Lawrence
(Donna Cobb '63)
4840 Vincent Avenue, So.

Rochester 55901

Mr. Mark Janes '69
1809 7th Street S.W.

MISSOURI

St. Louis 63110

Dr. Ralph A. Bradshaw '62
Dept. of Biological Chemistry
Washington University
660 South Euclid Avenue

NEBRASKA

Lincoln 68520

Mrs. H. G. Birky
(Ann Marie Eisentrager '61)
1915 South 77 Street

Omaha 68144

Mrs. Donald G. Sachs
(A. Roberta Holt '45)
13574 Montclair Drive

NEW HAMPSHIRE

East Rochester 03867

Mr. Ralph W. Hilton '44
53 Main Street

Haverhill 03765

Mr. Frank Stiegler '28
Route 10

Laconia 03246

Miss Pamela Taylor '62
492 Union Avenue

Londonderry

Mrs. Richard P. Vacco
(Marjeanne Banks '62)
Gilcreast Road
(Mailing: P.O. Box 102
Derry, N.H. 03038)

Manchester 03104

Mr. Hermon E. Smith III '63
88 Lowell Street

Tilton 03276

Mr. Alfred J. Gengras III '59
Tilton School

Waterville Valley 03223

Mrs. Peter A. Aydelott
(Judith Fassett '64)
Box 182

Weirs Beach 03246

Mr. N. Scott Brackett '61
Winnepesaukee Flagship Corp.
P.O. Box 367

NEW JERSEY

Basking Ridge 07920

Mr. Charles R. DeBevoise '48
R.D. #1

Belle Mead 08502

Mr. Anthony S. Glockler '57
Mrs. Anthony S. Glockler
(Beverly Jackson '60)
29 Whippoorwill Way
R.D. #2

Cherry Hill 08034

Mrs. Peter G. Cote
(Janet Jolicoeur '66)
805 Johns Road

Cranford 07016

Mrs. Roland C. McEldowney
(Barbara Read '63)
205 Elizabeth Avenue

Kennelton 07405

Mr. Christopher A. Sinton '67
Mrs. Christopher A. Sinton
(Ruth M. Seagull '67)
3 Brickwood Trail

Madison 07940

Mr. Roy V. Shorey, Jr. '54
56 Niles Avenue

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)
715 St. Marks Avenue

NEW MEXICO

Albuquerque 87109

Mrs. John Hilford
(Barbara J. Klein '57)
4009 Montgomery N.E., Apt. L-8

NEW YORK

Albany 12210

Mrs. John H. P. Holden
(Janet Jacobs '45)
168 Chestnut Street

Binghamton 13901

Mr. Stuart H. Rakoff '65
State University of New York
Dept. of Political Science

Bohemia 11716

Mr. Robert A. Gordon '65
20 Westgate Drive, Apt. 13

Chappaqua 10514

Mr. William B. Neil, Jr. '65
11 Salem Road

Delmar 12054

Mr. Bruce MacDonald '59
Associated Community College
Faculties
2 Normanskill Boulevard

Elnora 12065

Mrs. J. Rene Gonzales
(Coral Crosman '63)
R.D. #2, Tanner Road

Gouverneur 13642

Mr. C. MacDonald Grout '54
Mrs. C. MacDonald Grout
(Eleanor Edmunds '56)
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Ithaca 14850

Prof. David S. McKeith '56
Mrs. David S. McKeith
(Shirley Coatsworth '55)

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Dept. of History

Kings Park, Long Island 11754

Mr. William C. Droll '60
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Manhasset, Long Island 11030

Mr. M. Colby Tibbetts '45
15 Ridge Circle

Manlius 13104

Mr. John J. Pallotta, Jr. '61
Mrs. John J. Pallotta, Jr.
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4828 Westfield Drive

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Mr. Edwin Roy Eisen '54
1020 Park Avenue 10021

Mr. Paul L. Marsolini '64
301 East 21st Street, Apt. 65 10010

Miss Marsha F. Palmer '63
415 East 80th Street 10021

Miss Helen Strauss '45
240 East 79th Street 10021

Pelham Manor 10803
Dr. Anthony Arthur '54
446 Wynnewood Road

Mr. Robert L. Schultz '55
Mrs. Robert L. Schultz
(Xandra McCurdy '55)
25 Garden Road

Rochester 14625

Mrs. Pieter Punt
(Beryl Baldwin '53)
55 Lincoln Mills Road

Rockville Centre, Long Island 11570

Mrs. David B. Pressman
(Madelyn Wechsler '53)
43 Berkshire Road

Mrs. Gerald Seidenberg
(Gloria Shine '48)
1 Forestdale Road

Scarsdale 10583

Mr. Henry K. Wingate '61
18 Tunstall Road

Schuylerville 12871

Miss Charlotte Killam '67
Ranger Road

Syracuse 13203

Mr. John Carvellas, Jr. '66
Mrs. John Carvellas, Jr.
(Elizabeth Savicki '68)

220 Dorchester Avenue, Apt. 3-c

Tappan 10983

Mr. Robert W. Drewes '64
82 Lafayette Street

Westbury, Long Island 11590

Mrs. Robert Merriman

(Nancy Weare '52)
2226 Elderberry Drive
West Sand Lake 12196
Mr. Kenneth Van Praag '55

NORTH CAROLINA

Charlotte 28205
Mr. Byron Petrakis '63
2821 Springway Drive
Raleigh 27609
Mr. Ray Deltz '49
5235 Knollwood Drive

OHIO

Cleveland 44112
Miss Dorothy Nyman '54
14309 Terrace Road
Columbus 43209
Mr. John Reisman '55
46 North Roosevelt Avenue
Mr. Frederick W. Ziegler '52
3082 Elbern

Granville 43023

Mr. George S. Wales '51
Route 1

Hudson 44236

Mr. Ormande Brown '51
85 Manor Drive

Mr. William D. Wooldredge '61
7740 Holyoke Drive

Kent 44240

Dr. Lawrence S. Kaplan '47
Dept. of History
Kent State University

Toledo 43607

The Rev. Philip A. Shearman '50
1947 Potomac Drive

OREGON

Eugene 97401
Miss Frances C. Gray '40
Apt. 604B, 1040 Ferry Street
Portland 97219
Mr. Peter Lax '66
7522 S.W. 33rd Avenue

PENNSYLVANIA

Ambler 19002
Dr. Charles C. Leighton '60
John's Lane

Bethlehem 18015

Mrs. James McIntosh
(Sally Phelan '59)
246 Uncas Street

Cheyney 19379

Mrs. Barbara S. Knoka
(Barbara Grant '43)
Box 137, Cheyney Road

Doylestown 18901

Mr. Thomas McK. Thomas '63
Mrs. Thomas McK. Thomas
(Patricia Raymond '65)
Church School Road, R.D. #4

Easton 18042

Prof. David Crocket '52
301 Burke Street

Gladwyne 19035

Mr. Richard Beal '51
936 Merion Square Road

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Mrs. Douglas F. Bevin '58
131 Fayette Street

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Miss Audrey Bostwick '51
6705 Springbank Lane

Sewickley 15143

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Mr. J. Lawrence Eckel '66
620 Academy Road

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249 Haverford Avenue

Villanova 19085

Mr. Chester D. Harrington, Jr. '51

"Outpost Hill"

757 Newton Road

RHODE ISLAND

Cumberland 02864

Mr. Norval E. Garnett '51

Mrs. Norval E. Garnett
(Norma Bergquist '52)

39 Bear Hill Road

Pawtucket 02860

Mr. John S. Baxter '58

41 Fiume Street

Saunderstown 02874

Mr. Courtney Davis '60

Box 63

TEXAS

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Mr. James S. Hall '50

3928 Royal Palms Court 75234

Mrs. Warren J. Randolph

(Leslie A. Wyman '57)
13320 Rolling Hills 75240

Mr. Alden E. Wagner '44

4054 McKinney, Suite 200 75204

Houston 77042

Mr. Lewis Krinsky '65

11015 Olympia

VERMONT

Essex Junction 05452

Mr. Michael D. Flynn '61

Mrs. Michael D. Flynn
(Joyce Dignam '62)

Rustic Drive, R.F.D. #2

Plainfield 05667

Mr. David S. O'Neil '51

Marsh-Plain Motel

Putney 05346

Miss Mary Adams '58

Fort Hill Road, R.F.D. #1

Saxton River 05154

Mr. William B. Williamson '71

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VIRGINIA

Alexandria 22312

Miss Patricia L. Hickson '73

5540 North Morgan Street,
Apt. 302*Arlington 22201*

Mrs. David T. Scheele

(Frances Buxton '59)
3418 North Pershing Drive*Virginia Beach 23451*

Mrs. Robert N. Miner

(Deborah Nutter '68)
525 Fountain Lake Drive, Apt. 101

WISCONSIN

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Mrs. Russell V. Brown

(Karen Jaffe '65)
115 Summit Avenue*Madison*

Miss Rosemarie Carbino '62

1317 Rutledge Street 53703

Mr. Bruce Davey '65

Mrs. Bruce Davey
(Margaret Chandler '65)
518 Virginia Terrace 53705

Mr. Thomas H. Hopgood '67

62 Craig Avenue 53705

Milwaukee 53202

Mrs. John Robert More

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Mrs. Andrew M. Hayashi
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Surrey

Mr. Douglas A. Davidson '58

Mrs. Douglas A. Davidson

(Barbara Borches '60)

Burwood Park, Albany Road

Walton on Thames

The Research Institute of the Gulf of Maine (TRIGOM)

Colby College is a charter member of The Research Institute of the Gulf of Maine. This is a nonprofit corporation established as a consortium to conduct research and to provide educational and informative services relative to oceanography. TRIGOM carries out projects that involve faculty members and students, as well as the physical facilities of institutional members.

Academic members of TRIGOM, apart from Colby College, are Bates and Bowdoin colleges, Cornell University, Maine Maritime Academy, Nason College, Southern Maine Vocational Institute, St. Francis College, and the University of Maine at Farmington, at Orono, and at Portland-Gorham.

In recent years a limited-enrollment summer course in oceanography, carrying college credit, has been offered. Information is available from the offices of TRIGOM at 96 Franklin Street, Portland, Maine 04103, or from Professor Miriam Bennett, Colby's academic representative to TRIGOM.

WCBB-TV

WCBB-TV, a public television station, is licensed to the Colby-Bates-Bowdoin Educational Telecasting Corporation, formed by the three colleges in 1961. Offices and studios are in Lewiston. At the time of its founding, WCBB-TV was the first educational television station in Maine, the third in New England, and the sixth in the nation.

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College Calendar 1974-75

FIRST SEMESTER

Thursday, September 12	Freshman program begins
Sunday, September 15	Upperclass registration
Monday, September 16	First classes
Saturday-Sunday, October 5-6	Upperclass Parents Weekend
Saturday-Sunday, October 19-20	Freshmen Parents Weekend
Saturday, October 26	Homecoming
Wednesday, November 27, at the conclusion of the 11:30 class period to	Thanksgiving recess
Monday, December 2, 8:00 a.m.	
Thursday, December 12	Last classes of the first semester
Saturday, December 14 <i>through</i>	Examinations
Friday, December 20	
Saturday, December 21	Make-up examinations
Monday, January 13 <i>through</i>	January Program
Friday, February 7	

SECOND SEMESTER

Tuesday, February 11	Registration
Wednesday, February 12	First classes
Friday, March 28, 5:30 p.m. to	Spring vacation
Monday, April 7, 8:00 a.m.	
Monday, May 5 <i>through</i>	Spring registration
Friday, May 9	
Monday, May 5 <i>through</i>	Reading period for 300 and 400 courses
Friday, May 16	
Friday, May 16	Last classes for 100 and 200 courses
Tuesday, May 20 <i>through</i>	Final examinations
Monday, May 26	
Tuesday, May 27	Make-up examinations
Sunday, June 1	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.

1974

S M T W T F S

JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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1975

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JUNE

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1976

S M T W T F S

JANUARY

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FEBRUARY

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MARCH

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