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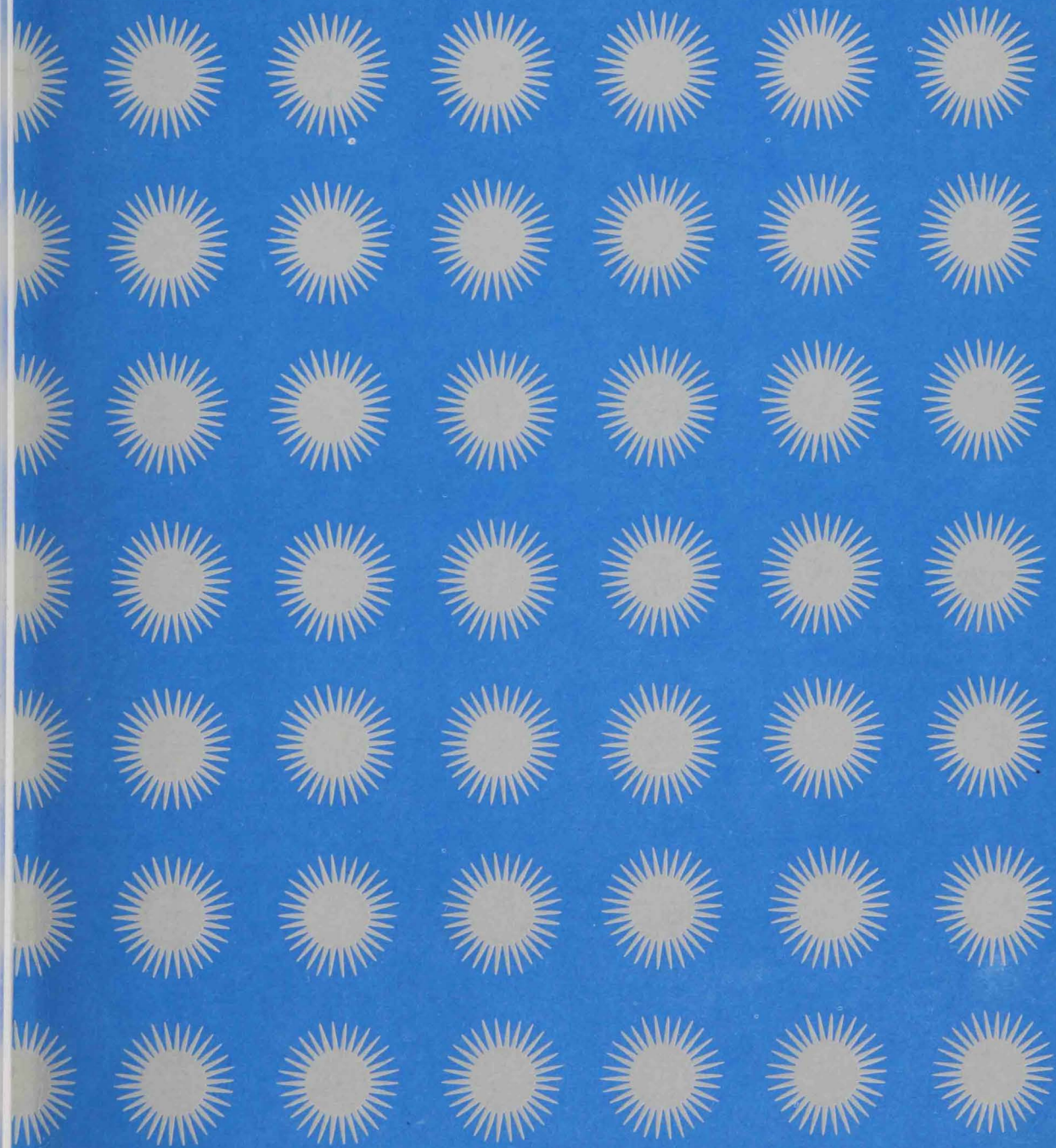
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Colby College, "Colby College Catalogue 1969 - 1970" (1969). *Colby Catalogues*. 78.
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OLBY COLLEGE BULLETIN

3307-10
Catalogue Issue September 1969



COLBY COLLEGE BULLETIN

TERVILLE, MAINE • FOUNDED IN 1813 • ANNUAL CATALOGUE ISSUE • SEPTEMBER, 1969

10
1969/70

Inquiries to the college should be directed as follows:

- ADMISSION HARRY R. CARROLL, *Dean of Admissions*
- ADULT EDUCATION AND
SUMMER PROGRAMS JOHN B. SIMPSON, *Director of Summer and Special Programs*
- FINANCIAL ARTHUR W. SEEPE, *Treasurer*
- HEALTH AND
MEDICAL CARE CARL E. NELSON, *Director of Health Services*
- HOUSING JONAS O. ROSENTHAL, *Dean of Students*
- PLACEMENT EARLE A. MCKEEN, *Director of Career Planning and
Placement*
- RECORDS AND TRANSCRIPTS GEORGE L. COLEMAN, *Registrar*
- SCHOLARSHIPS AND
EMPLOYMENT CHARLES F. HICKOX, JR., *Director of Financial Aid and
Coordinator of Government Supported Programs*
- VETERANS' AFFAIRS GEORGE L. COLEMAN, *Registrar*

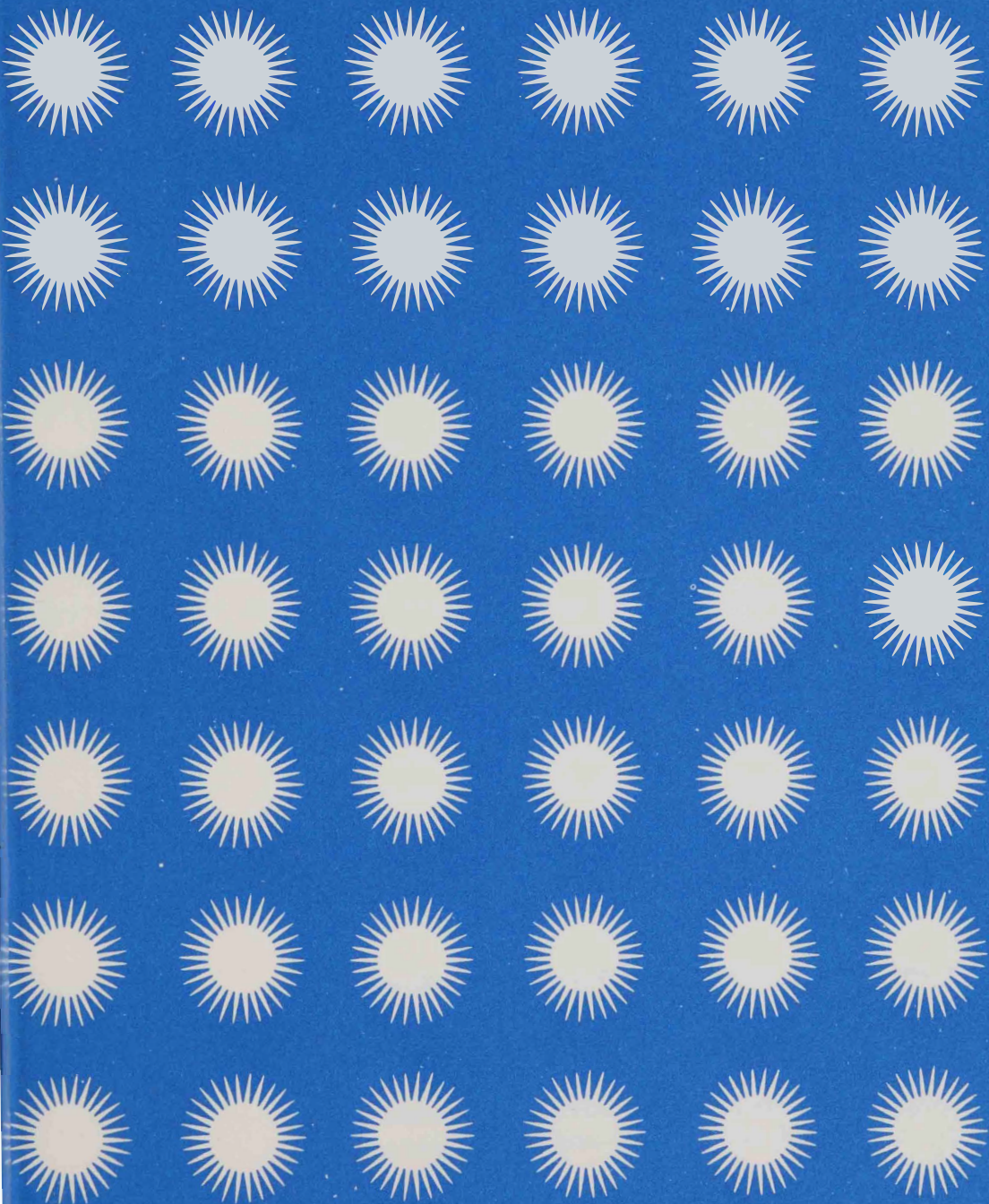
A booklet, ABOUT COLBY, with illustrative material, has been prepared for prospective students and may be obtained from the dean of admissions.

College address: Colby College, Waterville, Maine 04901

SERIES 68 The COLBY COLLEGE BULLETIN is published five times yearly, in

NUMBER 3 May, June, September, December, and March.

SEPTEMBER 1969 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

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	825 men, 692 women.
FACULTY	132 full and part time.
ENDOWMENT	\$15,000,000 (book value).
LIBRARY	Over 260,000 volumes, pamphlets, microfilms, and papers; 750 current subscriptions to periodicals.
ACCREDITATION	Accredited by the New England Association of Colleges and Secondary Schools. Member of the College Entrance Examination Board, the Association of American Colleges, the American Council on Education. Approved by the American Chemical Society, Association of American Medical Schools, American Association of University Women, the American Association of University Professors. The Colby chapter of Phi Beta Kappa was founded in 1895.
LOCATION	Waterville, Kennebec County, Maine; population 19,000. Industries: textiles, paper, molded woodpulp products, shirts, plastics. Bus service: Greyhound Lines. Airport with service of Northeast Air Lines at Augusta; Executive Air Lines at Waterville. On U. S. Interstate Highway 95, connecting with Maine Turnpike at Augusta.

HISTORY OF
COLBY COLLEGE

Colby Yesterday and Today

In 1813 a group of Baptist associations secured a charter from the Massachusetts Legislature which authorized the establishment of the Maine Literary and Theological Institution, but withheld from it the right to confer degrees. Financial stringency caused by the Embargo Act and the War of 1812 delayed the start of instruction. In 1815 the Agent for the Eastern lands assigned to the institution a township of land on the west side of the Penobscot River. When that location proved remote and unfeasible, the trustees were invited to select a site in Kennebec or Somerset counties. They chose Waterville, and in 1818 persuaded the Reverend Jeremiah Chaplin to come from Danvers, Massachusetts, with his family and seven theological students.

During his first year Chaplin was the only teacher, conducting classes in a farmhouse opposite what is now the Central Fire Station. In 1819 he was joined by professor of languages, the Reverend Avery Briggs. The institution had no president, each professor maintaining control over the separate theological and literary departments. Within a decade the former had been abolished and, since 1830, the college has been devoted to undergraduate studies in liberal arts.

Soon after Chaplin's arrival, the trustees purchased land extending eighty rods along the Kennebec River and westward one mile. The first building was a two-storied frame house for Chaplin, in which he boarded students and held classes until the construction of the first that truly could be called a college building, South College, in 1822.

When Maine became a state in 1820, the new legislature granted the institution the right to confer degrees, and in 1821 changed the name to Waterville College. Chaplin then became its first president.

The Maine charter made it clear that the founders never intended that the institution be exclusively for Baptists. In fact several men not of the faith, notably Maine's first governor, William King, were on the original board of trustees. The Maine charter included a clause of which the college has always been proud.

No student shall be deprived of any privileges of said Institution, or be subject to the forfeiture of any aid which has been granted him by the Institution, or be denied the usual testimonials on closing of his studies, or be denied admission to the Institution, on the grounds that his interpretations of the scriptures differ from those which are contained in the articles of faith adopted, or to be adopted, by the Institution.

The college never adopted any "articles of faith," and it has for many years been independent and nondenominational. It is, however, proud of its liberal Baptist heritage and grateful to the many churches and individuals of that persuasion who have nurtured the college through infancy and supported it for more than a century and a half.

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 anti-slavery articles led to his death at the hands of a mob in Alton, Illinois, at the age of thirty-four. Colby graduates through the years have been members of Congress, judges of state and federal courts, governors and legislators; have held high rank in the armed services; have been builders of railroads, telephone lines, and industrial plants in far corners of the earth; have been prominent in business and finance, and have won distinction in the learned professions.

The college marked its first half century with a novel experiment by opening its doors to women; in 1871 Mary Low became the first, and for a time, the lone female student. By 1890 so many women had enrolled that President

Albion Woodbury Small proposed, and the trustees adopted, a system of coordination under which a women's division was established with separate classes and administration. Colby is now, officially, a coeducational college.

During the early years the trustees were compelled to sell much of the college land in Waterville and after the first world war Colby found its campus confined to thirty crowded acres comprising ten buildings and the athletic fields. A short distance away on the main thoroughfare were six buildings of the women's division and two fraternity houses. With much of the physical plant obsolete, and with no room for expansion, the trustees voted in 1930 that the college be moved "as soon as feasible."

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

Throughout his administration, 1942-1960, President J. Seelye Bixler continued the work so well begun by President Johnson, and President Robert E. L. Strider has, in his turn, enforced these principles of achievement. As a result the new campus now consists of thirty-four modern buildings, most of Georgian colonial architecture, valued in excess of thirty million dollars.

The growth of Colby since its transition to Mayflower Hill has been striking. No longer is it a provincial New England college. The enrollment has risen from 600 to over 1,500, and the students come from more than two thirds of the states and many foreign countries. The faculty, numbering 56 in 1940, now exceeds 130. During the same years the endowment has increased from less than three million dollars (original cost) to more than fifteen million. Accompanying the physical expansion has been a growth in variety and quality of the curriculum enabling an increasing number of graduates to seek advanced degrees in the liberal arts and the professions at the leading universities.

In 1963, Colby College observed its one hundred and fiftieth anniversary with a distinguished 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 liberal arts education, experimenting with new educational programs — one of these, Program II, made possible by another Ford Foundation Grant — 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 quote the inaugural address of President Strider, "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, in short, 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. He is encouraged to choose a major which affords him the greatest intellectual stimulation, rather than one which he can necessarily "use" after graduation. Colby does not prepare a student for a particular vocation but rather for *any* vocation, as well as for a full and rewarding life in the contemporary world.

The coming generation of young adults will have to make difficult and fateful decisions. Technical knowledge alone will not be sufficient, for the problems we face are complex and full of uncertainties. To think them through, one must draw upon a capacity for judgment in the broadest sense — judgment involving not only material things but also the intangibles of the human spirit. Liberal education provides young men and women with a basis upon which a system of values can be built, reference to which can sharpen the power of judgment.

The student who comes to Colby should be intellectual, curious, and should have the energy and the ambition to pursue academic objectives with vigor and concentration, as well as participate in a limited number of those extra-curricular activities which supplement the academic program. These include student government, student publications, athletics (intercollegiate and intramural), music, drama, dance, debate, religious groups, and social organizations.

Students participate in all aspects of these activities: they may direct plays they have written, print books of their own and others' poetry, choreograph dance recitals.

It is the philosophy of the college that responsibility be given the student: in the regulation of social life and daily living and in the academic program. Toward this end advising, guidance, and counseling are available. Colby hopes that during the college years the student will mature socially and intellectually, and every opportunity is given him to do so.

One distinctive feature of a Colby education directly bears out this philosophy. The college's *January Program of Independent Study* has as its purpose the encouragement of the student to acquire both 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. Colby students are introduced to independent work even before they reach the campus, for in the summer preceding the freshman year all are given a reading assignment chosen from classics of literature and philosophy to be completed before matriculation.

In its search for better means to demonstrate that learning is a continuous process and to involve students in the excitement of independent study, Colby started 25 freshman students in its experimental Program II in September 1966. Each student was assigned to an advisor who met regularly with the students to assist them in planning a program in which they took advantages of the traditional course offerings at the college, but were not required to take the regularly scheduled courses or examinations. Sponsored by the Ford Foundation, the program will be carefully evaluated to determine its use in future.

Students at the college are strongly advised to consider further graduate study in preparation for the professions. Each year an increasing number of Colby graduates enter

medical, law, and divinity school, graduate schools of education, engineering, and business, graduate schools of arts and sciences. Though the major the student selects is often specifically aimed toward graduate study, it does not have to be. Most pre-medical students elect to major in chemistry or biology; most pre-legal students in history, government, or economics; most pre-engineering students in mathematics or physics; most pre-theological students in philosophy or religion. Nevertheless one of the justifications of the liberal arts education is that a student need not constrict his view.

There are available a number of ways of tailoring or broadening the course of study: the January Program can offer opportunities to work in depth in a major field or to explore new fields. Combined majors may cross two or more fields. And it is still possible for students majoring in such subjects as classics, English, or history to go to medical schools — provided, of course, that pre-medical requirements are met and a scientific aptitude is evident; and for students majoring in such fields as mathematics or French to go on to study law. Through carefully planned advising the student is assisted in the selection of the program best suited to his talents and his future aspirations.

The Campus

In 1952, Colby completed its move from a hundred-year-old campus in downtown Waterville to Mayflower Hill, two miles west of the city. Today there are 38 new buildings on this campus of about 1,000 acres, one of the most modern and beautiful in the nation.

The first building was *Lorimer Chapel*, center of the college's religious life. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. The instrument is of special interest because its specifications were drawn up by Albert Schweitzer. The *Rose Chapel* adjoins the main building; in the basement is the *Seraffyn* coffee house.

At the center of the campus is *Miller Library*, which is described in full on page 16.

The *Keyes* and *Life Sciences* buildings provide facilities for an ever-expanding science program with special collections, museums, a seismograph, reference libraries, laboratories, and conference rooms.

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

Administration offices are housed in the *Eustis* building.

The *Bixler Art and Music Center* has classrooms, studios, departmental libraries, auditorium, rehearsal hall, and practice and listening rooms. The college's permanent collection of paintings, sculpture and other arts, and travelling exhibitions, are regularly shown in the *Jetté Gallery*. Lead-

ing off the gallery, and out-of-doors, is the *Montague Sculpture Court*. The *Given Auditorium* is acoustically designed for musical performances and equipped to record programs stereophonically and is used for chamber music and film showings.

Colby women are housed in *Mary Low, Foss, Averill, Dana, East* (made up of three units: *Small, Champlin, and Butler*), *Sturtevant*, and *Taylor Halls*. Housing for men is found in *Coburn, Johnson, Leonard, Marriner, West* (comprised of *Robins, Chaplin, and Pepper*), and *Woodman Halls* and in eight fraternity houses: *Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Tau Delta Phi, Lambda Chi Alpha, and Kappa Delta Rho*.

Dining commons are in *Roberts Union, Dana, Foss-Woodman*, and *Mary Low-Coburn*. All dining is coeducational. *Roberts Union* also houses the *Sherman M. Perry Infirmary*, guest rooms, student organization offices, lounges, the *Seaverns Bookstore*, and the *Paper Wall*.

The *Ninetta F. Runnals Union* is a center for social events, poetry readings, student-faculty teas, lectures, and sorority activities and contains a gymnasium with stage for dramatics and lectures.

The *President's House* is the first building the visitor sees as he enters the campus from downtown Waterville.

Athletic facilities are contained in the new physical education and athletic complex and consist of the *Wadsworth Gymnasium* (badminton, volleyball, and four basketball courts), *Alfond Ice Arena*, the fieldhouse (an eight-lap-to-the-mile track, a baseball diamond, and tennis courts), the *Dunaway Squash and Handball Courts*, and the swimming pool. Also in the complex are a dance studio, coaches' offices, locker rooms, a sauna bath, and a therapy unit.

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

Part of the woodland surrounding the campus has been designated as a wildlife sanctuary, *The Perkins Arboretum*, and includes about one hundred acres. *Johnson Pond*, along one side of the campus, is used for ice-skating in season. The *Colby-Marston Preserve*, a gift honoring the late Walter Forrest Marston, a Colby graduate of 1874, is located in Belgrade, approximately ten miles from the college. The preserve contains many species of flora which are thought to have covered northern New England immediately following glaciation but are now nearly extinct. Used for field studies of biology, ecology, and geology, the preserve has been the subject of several faculty and student studies.

The Library

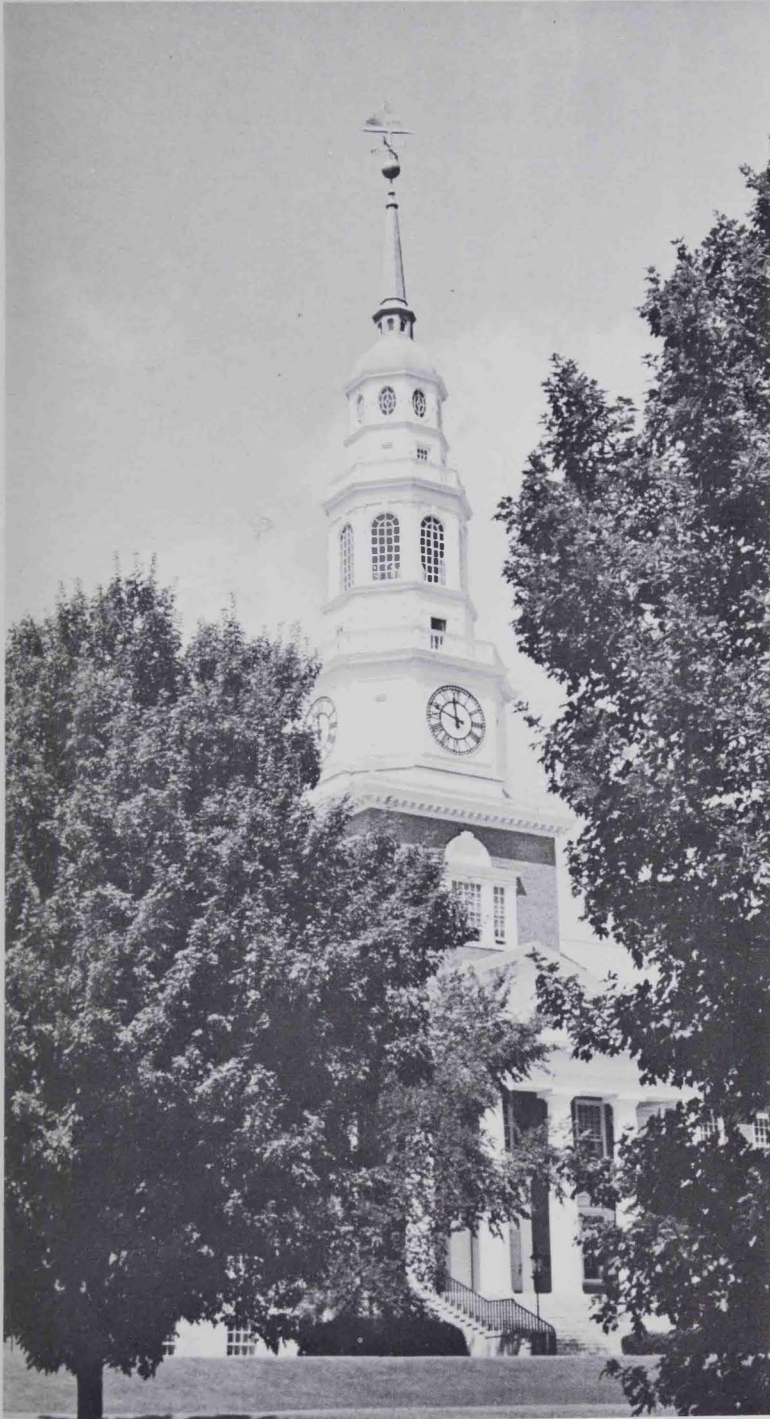
The library plays an integral part in the academic program. The Miller Library, which is centrally located on the campus, furnishes the facilities and materials necessary for reference, research, and independent study. Its reading rooms and individual carrels provide ideal working conditions for more than one-third of the student enrollment.

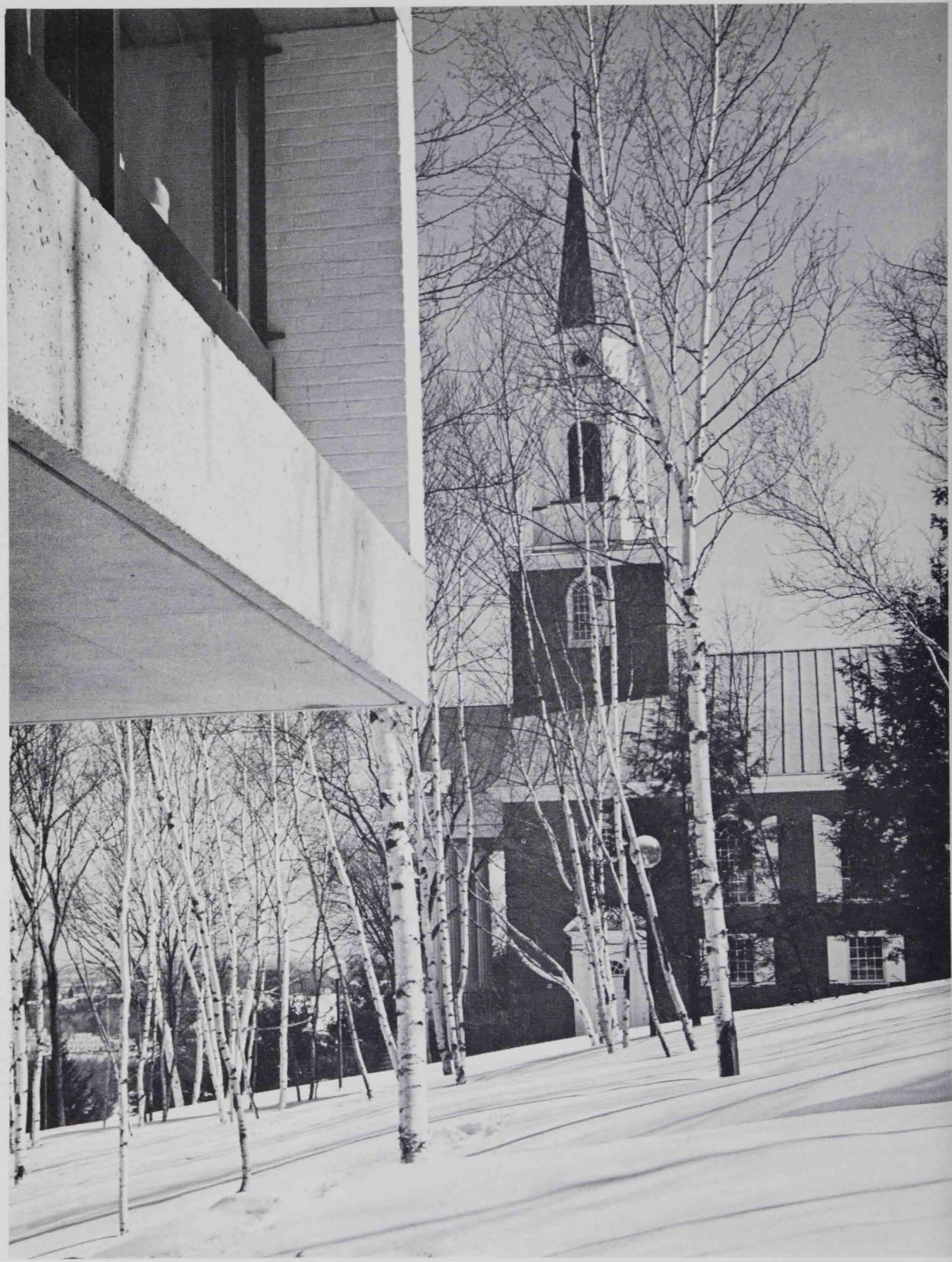
The open-stack system allows the students to browse through a collection of over 260,000 volumes. A periodical collection consisting of over 750 current journals is supplemented by the publications of the United States Government and the United Nations.

Special collections of first editions and manuscripts in the Colby Library have achieved international distinction. The James Augustine Healy Collection of Modern Irish Literature includes numerous inscribed copies, manuscripts, and autographed letters of William Butler Yeats, Sean O'Casey, James Joyce, and many others. The Thomas Hardy collection is considered to be one of the most extensive in the United States. Other authors represented include A. E. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather, John Masefield, William Dean Howells, and Thomas Mann. These are housed in the Edwin Arlington Robinson Memorial Room, named in honor of the great Maine poet, whose books, manuscripts, and personal papers are also located here.

Among the latest additions are a collection of Russian literature in Russian which was given by the class of 1957, and a collection of books on East Asia given by the class of 1958. The Academy of New England journalists has established its archives at Miller Library.

The Colby Library Associates is an organization of friends of the library, many of long standing, with representation from among students and faculty. Meetings feature talks on literary topics. Membership dues are used to purchase books and manuscripts which the library could not otherwise acquire.





Lorimer Chapel from Sturtevant

Award-winning dormitory complex



Championship meet, Fieldhouse





Art Gallery, Art Museum



Science buildings



Colby Ski Area



Bixler Art and Music Center



The Academic Program

DIVISIONS OF INSTRUCTION

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

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

THE STUDENT'S PROGRAM

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

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

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

Prospective students frequently ask what subjects they will study — especially in the freshman year. It would be mis-

leading to present any specific pattern of courses for either of the first two years; though it is then that "requirements" are usually fulfilled, there is considerable latitude within the requirements themselves, and the programs of individual students may vary widely. 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.

The starting of (a) first-year English, (b) work toward completion of the language requirement, and (c) a science, are not specifically prescribed for freshmen. It is expected that most students would, indeed, register for programs involving all these — but they could, for various reasons (with the consent of or perhaps on the advice of their faculty advisers), postpone one or more.

GRADUATION REQUIREMENTS¹

To qualify for the degree of bachelor of arts a candidate must meet specific requirements in quantity, quality, distribution, and concentration and must also participate satisfactorily in the January Program.

¹ The graduation requirements detailed here are those adopted by the faculty in April of 1969, applicable to the students of the class of 1973 and succeeding classes.

Changes were made in requirements with regard to QUANTITY, QUALITY, DISTRIBUTION (requirements in *English Composition and Literature* and the AREA REQUIREMENTS), and RESIDENCE.

The older requirements, applicable in full to the class of 1969, were last listed in the *Bulletins* of September 1968 and May 1969. The change from one set of requirements to the other affects students in the classes of 1970, '71, and '72 generally in proportion to the number of years of college work still lying ahead of them at the close of the 1968-69 academic year.

QUANTITY A minimum of 105 credit hours and eight semesters of residence¹, plus credit for four semesters of physical education.

QUALITY A two-point average in all Colby courses presented to meet the **QUANTITY** requirement.

This demands a *C* average among courses presented to qualify for graduation. Additional uncompensated *D*'s neither aid nor disqualify the student; credit hours in such courses are recorded but are irrelevant to the **QUANTITY** and **QUALITY** standards for graduation.

**DISTRIBUTION
REQUIREMENTS**

I ALL COLLEGE REQUIREMENTS

A. *English Composition and Literature*: 6 credit hours. This requirement will be met by English 115 and English 152.

B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of four ways:

(1) Giving evidence of satisfactory achievement in a foreign language taught at Colby by (a) attaining before entrance a sufficiently high score in a College Entrance Examination

The *registrar's office* has a supply of mimeographed *Auxiliary Information* bulletins for reference by members of the affected classes. It outlines a "sliding scale" of requirements.

Any questions of interpretation should be referred to the *registrar's office*.

It may be noted that students who had completed 60 or more credits by June of 1969 retain the option of completing their degree requirements either under the old requirements (see September 1968 *Catalogue*) or according to the new scale for their class. The set chosen is to be met in all details.

The net effect of the changes is to raise the **QUALITY** requirement slightly at the same time that the minimum **QUANTITY** requirement is lowered and the **DISTRIBUTION** requirements liberalized.

¹ See section on residence requirement for rules applicable to transferred credits.

Board foreign language achievement test (600 for class of '73) or (b) passing an achievement examination testing ability to read the language proficiently.

(2) Successfully completing any six credit hours in courses numbered above 101, 102 in an ancient or modern foreign language offered at Colby College.

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

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

II AREA REQUIREMENTS

A minimum of 6 credit hours in each of the areas described in III below. Three of the credit hours in the sciences must involve laboratory experience.

III AREAS

A. HUMANITIES: LIST OF SUBJECTS

Art

Classics (except Ancient History)

Comparative Literature

Dance Composition

English (except 111, 112; 113, 114; 115; 121, 122; 152, 211, 131d, and 253)

Greek

Latin

Modern Languages (except 101, 102, 103, 104 courses)

Music

Philosophy and Religion (certain courses: Religion 223, 224; 311, 312; 315; Philosophy 313, 318, 355, 356 and 372; philosophy and religion seminars when topics are relevant)

B. SCIENCES

Biology
 Chemistry
 Geology
 Mathematics
 Physics and Astronomy

C. SOCIAL SCIENCES

Ancient History
 Business Administration
 Economics
 Education
 Government
 History
 Philosophy and Religion (except courses listed among
 the humanities)
 Psychology
 Social Science 121, 122
 Sociology

PHYSICAL EDUCATION Completion of freshman and sophomore physical education requirements is required for graduation.

RESIDENCE Candidates for the degree must have earned 53 credit hours at Colby and must have been resident students for at least two years — one the senior year.

While the curriculum of the college is planned on the expectation that students will be at the college for four full years, provision is made both for the acceptance of transfer students and for acceleration as follows:

Fifteen approved credits from Advanced Placement work (CEEB), from summer study, or obtained in residence at another institution may be substituted for one semester in residence at Colby. A maximum of four such semesters may be offered for transfer credit.

One, but only one, of these semesters may consist of at least 9 transferable credits combined with no more than 6

Colby credits. The latter must be of at least C-average quality and may not be counted again as Colby credits toward the minimum graduation requirement.

For each semester of transfer credit so accepted, 13 credits are counted toward the 105 hour credit hour minimum for graduation.

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.

OPTION FOR CERTAIN
STUDENTS

A student returning to college after an absence must meet any new requirements for graduation if he still needs more than one-half of the total number of credit hours required for graduation. If he still needs not more than one-half of the total number he may meet either the new requirement or that in effect when he first enrolled.

MAJOR

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

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

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

Any student whose cumulative points in courses completed toward the major fall below a certain scale loses his right to continue with that major. The required scale is as follows: 1.5 grade point average for first 2 courses; 2 points for each credit hour thereafter.

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

A student may change his major at the end of the junior year if he has completed, with the required points, the equivalent of at least 12 credit hours toward the fulfillment of the new major. If, at the end of his junior year, a student finds no department in which he can be accepted as a major, he cannot continue in college. If, in the senior year, the cumulative points in courses completed toward the major fall below the required number, the major requirement is not fulfilled, and the degree cannot be awarded.

COMBINED MAJORS

A combined major in two subjects consists of a minimum of 18 credit hours in each of the two subjects.

The following combined majors are offered:

American Civilization	Geology-Chemistry
Classics-English	Philosophy-Mathematics
Classics-Philosophy	Philosophy-Religion
East Asian Studies	Physics-Mathematics
Geology-Biology	

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 1961-1962 Colby introduced an educational experiment with its *January Program of Independent Study*. The work of the first semester takes place entirely between Labor Day and the beginning of Christmas vacation, and January is devoted to work distinct from the formal course of study of the first and second semesters.

To freshmen and sophomores various programs are offered. Methods of conducting these programs differ from instructor to instructor, but each student works on a single project or problem, under the guidance of a single instructor, throughout the period. Free from the conflicting demands of the usual schedule, he may pursue his thoughts and researches 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.

The program for juniors and seniors is directed by the major departments, but emphasis remains on the basic unity of each student's program.

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." Each student must successfully complete one January Program for each year he is in residence at the college to be eligible for graduation.

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 to allow

sufficient time for it he or she may be excused from 6 credit hours per semester.

JUNIOR YEAR ABROAD

Permission to study abroad during the junior year, either under such programs as those of Sweet Briar, Hamilton, and Smith colleges or under an independent plan, rests with the committee on foreign students and foreign study. Students must apply, on forms provided by the committee, before or immediately after the mid-year examination period of their sophomore year, and only after having arranged details of their plan with their major advisers.

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

STUDENT EXCHANGE PROGRAM

A student exchange program was begun in 1960-61 between Colby College and Fisk University. Each student pays regular tuition and board and room charges at his home college, though residing and studying at the other institution. The only major added expense is for travel. Similar exchange programs have been established with other colleges, including one with Robert College, Istanbul, Turkey. Ordinarily exchanges are arranged for a single semester of the junior year. Students may obtain further information from the dean of students.

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 who do not require financial aid should apply to the dean of admissions.

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

REGISTRATION

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

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

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

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

ELECTION OF COURSES

Each spring, with the approval of their advisers, students elect programs of study for the ensuing year; these elections, with approved revisions, are confirmed during the fall registration period. A student's academic program must bear his adviser's approval and be properly filed with the registrar; credit will be suspended for work in a course

for which a student is not correctly registered. A continuing student registering in the fall is fined two dollars per credit hour if he fails to make spring election.

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

Changes of section, within a course, must be approved by the department or course chairman.

No student whose over-all grade point average in all courses taken in the previous semester is below 1.8 may elect more than 15 hours unless a 5-course program exceeds this total. The only exception is that a student who is not eligible by this rule, but who must have the extra credit hours to complete his degree requirements, may elect in one semester of his senior year one course in excess of these limitations.

AUDITING COURSES

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

Adults who are not students of the college may register to audit courses at a fee of five dollars each semester for each credit hour, provided they obtain written consent of the instructor and of the dean of the faculty. Members of the college staff and their families may register 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 the committee on examinations has specifically exempted. The time and place of semester examinations are fixed by the registrar. The mark for the examination may constitute up to half of the total course mark.

No student may be excused from any semester examination except for illness or emergency so grave as to justify excuse in the judgment of the dean of students, or unless he has filed with the registrar a valid conflict-of-exams form or request based on his having scheduled three examinations in a single day. An excused student may be examined at a later date convenient to the instructor. Under no circumstances may a student be permitted to take a semester examination earlier than the date on which it is scheduled. A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

With the consent of the dean of students a student may for unusual reason accept, in lieu of semester examination, a mark for the course equal to 75 per cent of his average without examination. Because this procedure is costly in reduction of final mark few request it.

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

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

ACADEMIC STANDING

A student's class standing is determined by the faculty's Committee on Standing and is based on the number of credit hours passed. The committee is currently preparing new guidelines for these determinations.

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.

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 examination.

A mark of *Cr.* indicates that a student has been awarded credit but no specific mark for a course.

Marks of *W* and *W/F* indicate withdrawal from course. During a semester a student may withdraw from a course and receive a mark of *W* provided both his adviser and dean consent. If the adviser and dean consent to the withdrawal but agree, after consultation with the instructor, that the course must be considered to have been taken and failed the mark shall be *W/F.* For abandoning a course without permission the student shall receive an *F.*

A course dropped within thirty calendar days before the last class, shall necessitate a mark of *F* instead of *W/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 (above) which should be read with care.

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

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

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

Admission

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

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

Sixteen preparatory units are normally required: English (4); foreign language (2); college preparatory mathematics (3); history or social studies (1); science (laboratory) (1); elective (5).

The New England Association of Colleges and Secondary Schools accredits schools in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school 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 schools meet the standards of membership. Accreditation lends authority to records and recommendations received from the applicant's secondary school.

ADMISSION PROCEDURE

1. Application is made to the dean of admissions. A non-refundable \$15 fee is required and a check or money order in this amount should be returned with the application.

2. Colby subscribes to the first choice *early decision* plan of the CEEB for well qualified applicants. Under this plan the candidate certifies that the college is his first choice, that he will accept an offer of admission if it is extended, provided it includes adequate financial aid, if needed. A candidate may initiate other applications, but agrees to withdraw them when notified of acceptance by Colby. Candidates may apply for early decision and financial aid no later than November 1 and should submit aptitude and achievement tests taken before the fall of the senior year. College notification of action, including the decision on the application for financial aid, is normally given no later than December 1, and successful candidates are exempted from further admission tests, except for placement purposes. 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.
3. Interviews are not required although applicants who have not visited the campus are encouraged to do so, and campus guides are provided week days 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 the first two weeks of April. Individual appointments may be made upon request, except during the period noted above, and these should be scheduled well in advance. The college will arrange meetings with alumni representatives for applicants living some distance from Waterville.
4. The schedule for admission applicants is as follows:
November 1 — deadline for filing for *early decision* and for 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 for financial aid.

Mid-April — notification of actions by admissions committee to regular applicants.

May 1 — regularly accepted applicants must confirm intention to attend Colby by payment of a non-refundable advance tuition deposit of \$100.

COLLEGE BOARD TESTS

All candidates are required 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 not later than December or January of the senior year. The Achievement Tests should include English composition and two others of the candidate's choice, taken not later than January of the senior year.

A foreign language test (including the associated listening comprehension test, if available) should be offered prior to registration, if it is not included in the three achievement scores offered for admission. The language scores are used to determine exemption or placement in languages.

The CEEB tests are given at centers in the United States and foreign countries. Application for tests may be made to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

ADVANCED STANDING

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

TRANSFER STUDENTS/
VETERANS

Admission by transfer from another college is limited each year to a few students with satisfactory academic and personal records.

The prospective transfer student should write to the dean of admissions at Colby, stating his reasons for applying. An application and recommendation form will be sent to be completed and returned with the \$15 application fee.

Transfer students should also ask the College Entrance Examination Board to send the results of any tests to Colby. Scholastic Aptitude Test scores are required for all transfer students. Tests taken in the senior year in secondary school will satisfy this requirement.

Any request for advanced standing based upon completion of service schools or USAFI courses from a veteran must be made in advance of matriculation. Credits usually apply only to freshman courses.

SPECIAL STUDENTS

Subject to limitation of enrollment in individual courses and the consent of the instructors, the college permits adults to enroll as special students to take not more than eleven credits per semester. Such persons must present evidence that they are qualified to pursue the intended courses and pay the regular fee of \$80 per credit hour. Admission of special students is the responsibility of the deans of students.

HEALTH CERTIFICATE

Before matriculation, each student must present a satisfactory health certificate signed by a physician, including evidence of tetanus toxoid immunization and chest x-rays. It is recommended that polio immunization be completed prior to entrance.

Orientation for Freshmen

Freshmen arrive a few days early for an orientation program. Meetings are arranged with advisers and representatives of student groups. Tests are given to determine placement in English and mathematics and to measure speed and comprehension in reading.

The Freshman orientation program is planned with the aim of introducing students to the intellectual and social life of the college.

READING TESTS

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

PLACEMENT IN MATHEMATICS

Students who have taken at least one semester of calculus but who have not taken the Advanced Placement Examination of the CEEB may, upon passing the placement test offered during the Freshman Orientation Period, enter *Mathematics 211d (Calculus II)* or *Mathematics 212d (Calculus III)* without other prerequisite.

PLACEMENT IN FOREIGN LANGUAGES

Students offering a foreign language for entrance credit who wish to continue it in college will be placed on the basis of the CEEB Language Achievement Test required prior to entrance. If two or more units of the language are presented for entrance credit, continuation must be in a course numbered above the 101, 102 level. Should placement tests or performance indicate a student to be unqualified for this level, the language is repeated at the elementary level without credit, or a new language may be elected for credit.

An exception is made for students of Latin. Those with not more than two years of the language, all completed prior to the last two years of secondary school may, with the approval of the department chairman, take elementary college Latin for credit.

Fees and Financial Aid

ANNUAL STUDENT CHARGES 1969-1970	Tuition	\$2,100
	Board	600
	Room	500
	General Fee ¹	150
		\$3,350

CALENDAR OF PAYMENTS

1969-1970	<i>Upon acceptance for admission</i>	Admission deposit — freshmen	\$ 100
	<i>July 31</i>	Attendance deposit — upperclassmen	\$ 200
FIRST SEMESTER	<i>On or before August 31</i>	One-half of annual student charges for tuition, board and room plus the general fee for the year	\$1,750 ²
	<i>November 30</i>	First Semester bill (Following pages)	
SECOND SEMESTER	<i>On or before January 20</i>	One-half of annual student charges for tuition, board and room	\$1,600 ²
	<i>March 31</i>	Second Semester bill	
	<i>April 15</i>	Room deposit for following year	\$ 50

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

¹ Includes sickness and accident insurance, and student activities fee.

² Students who are permitted to eat or live off campus may deduct \$300 for board or \$250 for room from the amount due in advance of each semester.

FEES AND CHARGES
EXPLAINED

No formal bills are issued for the following items:

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

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

Attendance Deposit A non-refundable deposit of \$200 is required of all upperclass students on or before July 31 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For entering students the \$100 admission deposit satisfies this requirement.

ADVANCED PAYMENTS *Tuition* The tuition charge is \$1,050 per semester for schedules of 9 to 18 credit hours and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than 9 hours and for hours in excess of 18, the tuition charge is \$80 per credit hour. The tuition charge for hours in excess of 18 will be included in the semester bill. Special students will be charged at the rate of \$80 per credit hour.

Board Board in college dining halls is charged at the rate of \$300 per semester. Payment must be made prior to each semester in accordance with the calendar of payments.

All resident women and resident freshman men are required to board at the college. Upperclass men electing to board at the college must pay the board charge in advance in accordance with the calendar of payments. An election to board on campus is irrevocable and no refunds may be made.

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.

General Fee The general fee is \$150 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.

Accident and Sickness Insurance All students are required to have adequate accident and sickness insurance coverage. Coverage is provided in a group insurance policy. The premium for this coverage is included in the general fee. Details of the insurance plan are mailed to all parents during the summer.

Students having other comparable coverage and who do not wish the additional protection of the compulsory student insurance program — including the major medical supplement — must make written application for waiver at the office of the treasurer each year prior to the opening of college. Colby College cannot assume responsibility for serious accidents and illness not covered by appropriate insurance.

Health Service Free service in the Sherman M. Perry Infirmary is provided for a total of two weeks in any college year. Students not covered by the college group accident and sickness insurance are charged \$4 per day for infirmary care beyond the two-week free period. Non-boarding students are charged \$4 per day for meals in the infirmary. There may be additional charges for special diets ordered by the college physician.

SEMESTER BILL

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

MISCELLANEOUS

The fee for each semester hour in excess of 18 hours per semester is \$80 per hour.

A chemistry laboratory fee of \$20 per course is charged on the first semester bill. Students enrolled in chemistry courses are required to pay for excessive breakage or loss of apparatus.

All students living in college dormitories must pay a \$15 deposit which is included on the first semester bill. All expenses resulting from damage to or loss of college property in the dormitories will be charged against these deposits except in cases where the responsible students can be identified. The unused portion of these deposits is refunded on a pro-rated basis at the end of the year.

All fraternity men are charged a fee in excess of the room rent established for college dormitories. The fee is charged on the semester bill and applies whether the student resides in the fraternity house or not. The amount of the fees is determined by each fraternity.

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

Students may have official transcripts mailed to other institutions, prospective employers, or other authorized agencies by completing the *transcript request form* available at the registrar's office. The fee for this service is one dollar for each transcript after the first. Official college transcripts are not delivered to students. A student may

have an unofficial transcript upon request; the same regulations and fee apply.

PAYMENT OF BILLS Tuition, room, board, and general fee must be paid in full in accordance with the calendar of payments (see previous pages) before a student is permitted to register or attend classes. Students excluded from classes under this rule for longer than ten days may be suspended from college for the remainder of the semester. A fine of \$2 per day may be imposed for failure to make payments of financial obligations to the College on or before the due date.

A plan providing for monthly payments at moderate cost is available through the Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

The treasurer cannot permit deferred payment of any portion of the charges due prior to registration, but may, at his discretion, grant partial extension for a brief period on the semester bill. Concerning college bills, students and parents must deal directly with the treasurer, as no other officer of the college has authority over their collection.

REFUNDS To students drafted into the armed services before the end of a semester, a pro-rata refund of tuition, board, room and fees will be made.

To all other students, 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 is 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 \$22 per full or partial week. No reduction is made for periods less than a full week.

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

OVERPAYMENTS Credit balances on semester bill are ordinarily carried forward to the student's account for the following semester. After semester bills have been completed and mailed, requests for refund of credit balances will be honored promptly. Participants in tuition payment plans may make special arrangements for earlier refund at the office of the treasurer. Credit balances on the accounts of graduating seniors will be refunded automatically.

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

FINANCIAL AID

Financial aid in excess of \$850,000 is distributed annually in scholarships, employment, and loans to students with demonstrated financial need. Need is determined by analysis of the *Parents' Confidential Statement*, the application for which should be filed annually with the financial aid office by the end of spring recess. The forms for Parents' Confidential Statements are designed and processed by the College Scholarship Service of Princeton, New Jersey. This service is used by most of the accredited colleges and universities of the country so that the financial contribution expected from the parents will vary little from one college to the next.

Financial aid at Colby, as at most similar institutions, is packaged in the form of: 1. *gift scholarship*, plus 2. *self-help*, consisting of low interest loan and/or work requiring no more than 10 hours a week. For freshmen the first

\$500 of need is met by self-help, the balance is gift scholarship. For the three upper classes the first \$500 of need is self-help, plus \$75 additional self-help for every \$250 of remaining need. For example, a freshman with a need of \$2,250 would receive \$1,750 in gift scholarship and be asked to contribute \$500 in self-help. On the other hand, an upperclassman with the same \$2,250 need would be offered a scholarship of \$1,225 and be asked to contribute \$1,025 in self-help. Quite probably his self-help would consist of a campus job for about \$400 and a low interest loan for \$625. No student is asked to contribute more than \$1,100 per year in self-help.

SELF-HELP
LOANS

Guaranteed Loan Program This program, sponsored by most eastern states and by the Federal Government, is intended to assist students from middle income families. These government insured loans carry 7% interest rates and lenient repayment schedules that begin 60 days after graduation from college. Many students will be asked to consider borrowing as much as \$1,000 under this plan as a supplement to other college aid. Application is initiated by a student through a bank or other lending institution in his home state.

National Defense Student Loan This plan, intended to aid needy students, is administered by the college. Students whose aid package includes NDSL may sign the necessary papers in the office of the college treasurer prior to registration. NDSL have special features which are advantageous to the student planning a career in teaching, otherwise the terms are similar to the Guaranteed Loan Program. Because these federal funds are limited, relatively few Colby students are permitted to borrow under this program.

JOB

Campus Jobs A limited number of campus jobs are available to students receiving financial aid. No job requires more than 10 hours a week, but at a pay rate of \$1.45 per

hour a student can earn as much as \$400 per school year. Most working students are employed either as cafeteria workers, librarians, or receptionists in the dorms. They are to submit weekly time sheets signed by their supervisors. Payment is made by check through the treasurer's office. These checks may, at the discretion of the student, be credited toward the semester bill.

Work Study Program This is a program funded by the federal government but administered by the financial aid office of the college. The rate of pay varies with the skill and experience of the employee but is never less than the minimum legal wage. A full time student may not work more than 10 hours a week while school is in session but may work up to 44 hours a week during vacations. Ordinarily, these are off-campus jobs with youth organizations, poverty programs, hospitals, and sanatoriums. The financial aid officer appoints eligible students to these jobs.

GIFT SCHOLARSHIPS

Over \$500,000 is awarded annually as gift scholarship to Colby undergraduates. These funds are derived from interest from endowments, scholarship funds donated by alumni and friends, and funds from outside sources such as the Sloan Foundation, Hathaway-Warnaco, the Reader's Digest and the Travelli and Dana Scholarships. Most of these scholarships are administered by and awarded by the financial aid office and require no special application on the part of the student.

A few scholarships, however, are restricted. The Kling, for example, is limited to "needy male students of American colonial or Revolutionary ancestry." Applications for the Kling Scholarship may be obtained from the financial aid office.

GENERAL REGULATIONS

Financial aid is granted each semester and renewal is contingent upon continuing scholastic achievement, good citi-

zanship, and financial need. Thus a student receiving aid during the fall semester will be continued on aid during the spring semester provided he remains eligible. To qualify for scholarship aid an applicant must have achieved the following minimum grade average.

	fall semester (for spring aid)	spring semester (for fall aid)
Freshmen	1.8	2.0
Sophomores	2.0	2.2
Juniors	2.2	2.4
Seniors	2.4	—

Parents are asked to file a *Parents' Confidential Statement* each year prior to spring recess so that the students' grants may be adjusted to fit changing financial conditions at home. Filing of this form constitutes formal application for financial aid for the following academic year. All recipients are expected to report appreciable changes in their family circumstances as soon as they occur.

Students should report any scholarship or other award received from outside sources so that Colby aid can be adjusted.

Students receiving financial aid are not permitted to own or register motor vehicles. The philosophy behind this ruling is that students sufficiently affluent to support a vehicle do not need financial aid from the college. This rule applies even though the student lives off campus and irrespective of whether he is married.

Financial aid may be withdrawn at any time because of changes in financial circumstances, academic or social probation, possession of a motor vehicle, or plagiarism. For certain acts which contribute "to a substantial disruption of the administration of [the] institution" (P.L. 90-575),

federal law requires the denial of aid for a period of two years under the following programs:

Student Loan Programs (NDSL)

Educational Opportunity Grants (EOG)

Student Loan Insurance Program (guaranteed loans)

College Work-Study Program (CWSP)

Transfer students become eligible for financial aid at the beginning of their second semester at Colby.

Normally a student electing to study at another school, either in this country or abroad, for a semester or a year will not be eligible for financial aid from Colby while in absentia.

CAREER PLANNING AND PLACEMENT

Some time before obtaining a degree, most Colby students become involved in making major decisions concerning career plans. They are invited to make use of the resources available to them in the office of career planning and placement. The director is prepared to discuss the various aspects of planning with all students who need assistance. The office library of information on graduate schools, jobs and social service is available throughout the year.

Seniors are urged to take advantage of the opportunity to have personal interviews with visiting representatives of graduate schools, business firms, government agencies and school systems between October and April each year. Personal files are established for seniors who register.

RELIGION

Student Life and Activities

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

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

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

The coordinating organization for the various religious groups is the Interfaith Association, in which Protestant, Roman Catholic, and Jewish students cooperate. Protestants conduct their activities through the Student Christian Association (United Protestant), Roger Williams Fellowship (Baptist), Student Religious Liberals (Unitarian-Universalist), Canterbury (Episcopal), Inter-Varsity Christian Fellowship, and the Christian Science Organization. Roman Catholics have the Newman Club, and Jewish students have Hillel.

In 1969 the topic of the religious convocation was *What's Happening in Religion?* Professor Joseph Williamson of the Andover Newton Theological School was the keynote speaker; other participants were Professor Robert Ferrick, s.j., Boston College, and Rabbi Lawrence Halpern, Temple Israel, Boston.

In 1969 the Interfaith Association also sponsored three symposia in which outside speakers, students, and faculty participated. They were entitled *Traditional Education: Irrelevant for Urban Man; Rural Poverty;* and *The Future of the American Indian from a White Bureaucrat's Perspective.*

Many Colby graduates have entered the ministry, and the list of missionaries is especially impressive. The missionary tablet in the Rose Memorial 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, lectures and concerts bring outstanding scholars, musicians, and artists to the campus. There are three lecture series — the Guy P. Gannett, Gabrielson and Ingraham — 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 scholarly subjects; the Gabrielson Lectures, on certain Thursdays in the second semester, are concerned with national and international topics; the Ingraham Lectures are in philosophy and religion. The Winthrop H. Smith Visiting Scholars Program brings to the campus each year a distinguished speaker for two or three days to lecture, speak in classes, and meet informally with students and faculty. The Clara Southworth endowed lectureship brings a prominent lecturer to speak on a subject in “the broad field of environmental design with emphasis on understanding some of the underlying philosophies of design which relate to the way in which men live.”

There are also annual events such as the Recognition Assembly; Religious Convocation; and the Lovejoy Convocation, honoring prominent newspaper men: in 1969 Carl T. Rowan, columnist, author, former director of United States Information Services, deputy assistant secretary of state, and ambassador to Finland.

Among lecturers in 1968-69 were Richard Barksdale Harwell, Robert H. Estabrook, Davidson Nicol, James Luther Adams, James Farmer, Eugene Callender, I. M. Levitt, Lucy Lippard, Robert M. Cook, Paul Davidoff, Wallace Stanley Sayre, Donald Louria, Buckminster Fuller, Paul H. Douglas, Willard L. Thorp, Soulima Stravinsky, Robert C. Wood, and Dwight Sargent.

MUSIC

Musical organizations which offer opportunities in serious vocal and instrumental music are the Colby Community Symphony Orchestra, the glee club, chapel choir, band, brass choir, and student-inspired ensembles. These are under faculty direction and carry academic credits.

There are also informal groups for those interested in lighter vocal music: the Colby Eight (men), the Colbyettes (women), and the Colby Folk Song Society. Recitals are presented on the Mellon Organ in Lorimer Chapel.

Concerts are given by Colby's own musical groups as well as visiting performers. The Colby Music Associates offer performances by the Melos Ensemble of London, Ralph Kirkpatrick, and Sylvia and Benno Rabinof. In the year 1969-70 the Colby Music Associates program will be augmented by a similar series offered by Student Government.

The college and associated organizations also sponsored the New York Consort and Takako Nishizaki, violinist, as well as Pete Seeger, Janis Joplin, and Judy Collins. The orchestra, glee club, and Waterville Area Community Chorus, in their annual combined concert, presented Brahms' *Song of Destiny*, Poulenc's *Stabat Mater*, and Morton Gold's *Psalm 98*. There was a program of music for harp, two flutes, and two choirs, and the Colby Community Symphony Orchestra presented three concerts, two of them featuring guest artists: the Music in Maine Woodwind Quintet and Soulima Stravinsky, pianist.

ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions featuring selections from the college's permanent collection as well as original and travelling shows are shown in the Jetté Gallery. Special collections are the Harold T. Pulsifer Collection of Winslow Homer, the Bernat Collection of Oriental Ceramics and Bronzes, the Adelaide Pearson Collection, The American Heritage Collection, and the Helen Warren and Willard Howe Cummings Collection of Ameri-

can Art. The permanent collection features European and American painting, sculpture and graphic art.

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

Among the 1968-69 exhibitions were *William S. Horton: American Impressionist (1865-1936)*; *Language of the Print* from the Donald H. Karshan collection; *Drawings, Sculpture, and Medals from the Collection of David Daniels*; *Paintings by Fairfield Porter, Photographs by Eliot Porter*; and *Selections from the Permanent Collection*.

DRAMATICS

Powder and Wig, the dramatic society, has a distinguished record of productions under the supervision of the director of dramatics, who is a member of the English faculty. Students not only act in plays, but direct, build scenery and supervise staging and lighting. In addition, several plays written and produced by students are presented each year. History of drama courses are offered by the English department. The 1968-69 Powder and Wig repertoire included *The Mandrake* (Machiavelli), *The Rimers of Eldritch* (Lanford Wilson), and *Macbeth*.

Plays, films, dance, and music are also presented by student organizations.

SPEECH AND DEBATE

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

FILM

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

FRATERNITIES AND
SORORITIES

Colby recognizes the fraternity system as a cooperative feature of campus life. There are chapters of nine national fraternities, three national sororities, and one local sorority. Eight of the fraternities occupy separate houses on the campus, controlled by prudential committees on which the fraternity alumni association, the local chapter, and the college are represented. A housemother is resident in most of the houses. Members of one fraternity are quartered in a dormitory. Sororities do not have houses, but each chapter has a room in Runnals Union.

The Colby fraternities in order of founding 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, Delta Alpha Upsilon (local, formerly Delta Delta Delta) and Alpha Delta Pi.

The board of trustees requires that fraternities and sororities be able to satisfy the board that they have the right to select their members without regard to race, religion or national origin. The societies must meet this requirement to remain active at Colby, either as national affiliates or local groups.

STUDENT ORGANIZATIONS

There are over fifty student organizations active on the campus. Some of these are oriented toward religious affiliation, others are academic in nature. Among the latter are the various foreign language clubs — French, Spanish, and German; the educational societies: Chi Epsilon Mu (chemistry),

Delta Phi Alpha (German), Phi Sigma Iota (Romance language) and Sigma Pi Sigma (physics); and the Forensic Society, and the John Marshall Society. College publications include the weekly newspaper, *The Echo*, the yearbook, *The Oracle*, and *Pequod*, a literary magazine.

Service organizations include Blue Key, Cap and Gown, Campus Chest, Student Judicial Board, Pan-Hellenic and Inter-Fraternity Councils.

Other groups are the Arnold Air Society, Camera Club, Chess Club, Folk Song Society, Film Direction, Colby Graphic Arts Workshop, Modern Dance Club, and Ski Council.

There are other societies and clubs described in this section of the catalogue under their appropriate headings.

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

GENERAL REGULATIONS

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

Colby Collge is concerned as much with the social habits and character of its students as with their academic standing. The college reserves the right to dismiss any student whose presence its officers believe to be detrimental to the general welfare of the college.

- ATTENDANCE A. Students are expected to attend class regularly and are held responsible for all work done in any class from which they are absent. Each student is, however, permitted at least two unexcused absences from each course in any semester. The maximum number allowed, if

beyond two, is determined by individual instructors. Each instructor explains at the first meeting of every semester what constitutes unsatisfactory attendance in his class. Any student whose attendance the instructor judges to be unsatisfactory is warned by the dean of students. Flagrant repetitions may lead to dismissal from the course without credit.

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

Medical excuses are issued only to students who fall within one of four classifications:

- i. Those confined to the college infirmary or hospital because of illness or surgery.
- ii. Students treated by the medical staff at the dispensary, infirmary, or hospital.
- iii. Students visited by the college physician in dormitories or other places of residence.
- iv. Women students confined to their dormitory for no longer than 24 hours.

Medical excuses are not granted on a retroactive basis unless one of these classifications is satisfied.

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

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

BEHAVIOR Responsibility for behavior is borne by the individual. This is true of all phases of campus life, including academic integrity, relationships between students, adherence to college regulations, and use of alcoholic beverages.

Colby College does not encourage the use of intoxicating beverages by its students. If the conduct of a student who has been drinking comes into question, he will be subject to disciplinary action up to and including expulsion.

The Maine State Law has provisions which makes punishable by a fine of not more than \$50 any person under the age of 20 years who purchases intoxicating liquor or consumes it in any on-sale premises or who has liquor in his possession or whoever furnishes, gives or delivers liquor to a minor. Violators of the laws cannot expect the college to provide them with immunity from prosecution.

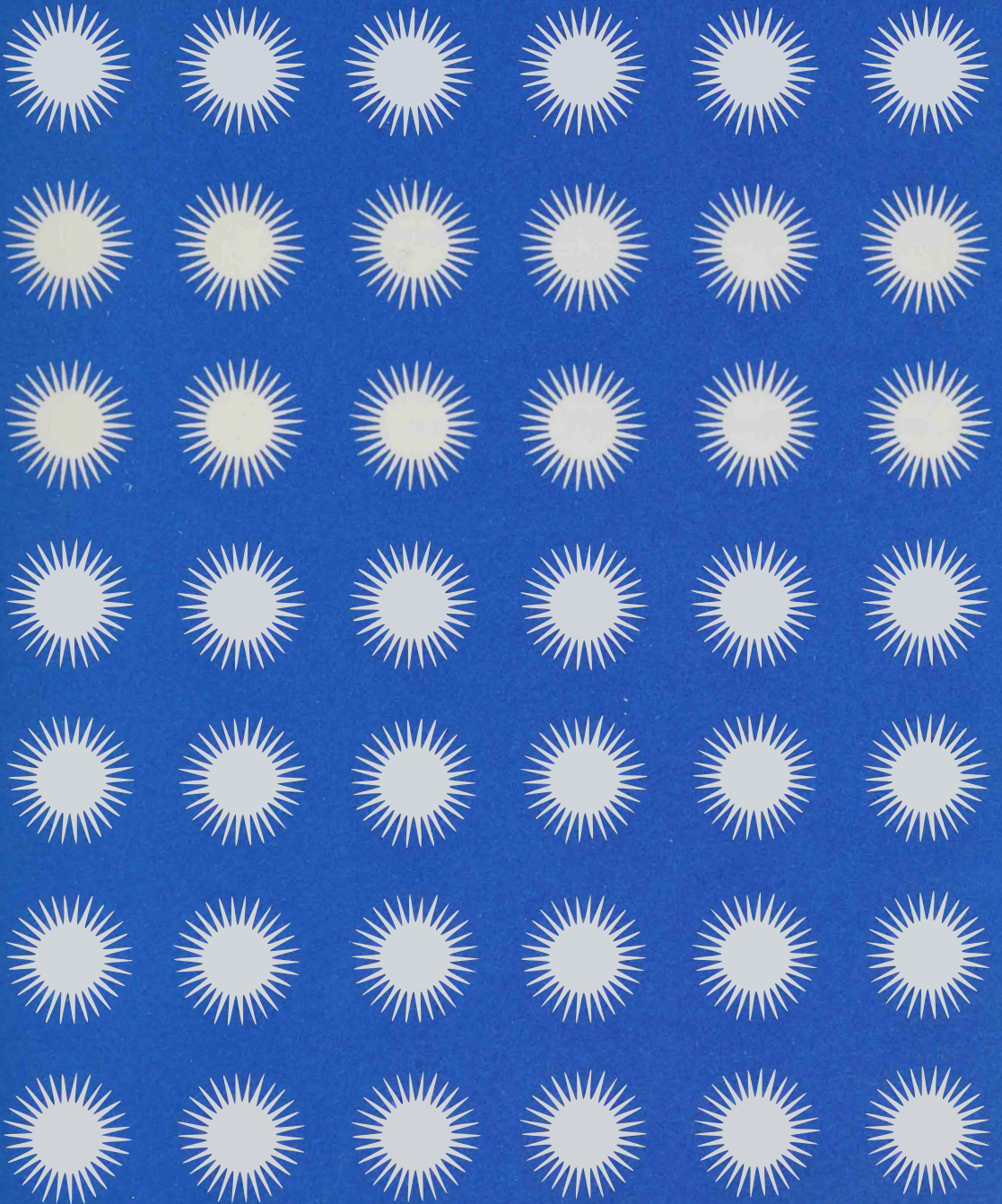
We expect students to conduct themselves — in drinking as in other matters — as mature and responsible human beings.

With regard to drugs: Colby does not tolerate violation of state and federal laws, nor does it tolerate unauthorized experimentation by its students with drugs.

AUTOMOBILES The use of motor vehicles at the college is not permitted to freshmen nor to students who are on scholarship. All motor vehicles used at the college by students or staff must be registered at the office of the superintendent of buildings and grounds. Failure to register a vehicle, or failure to comply with the college's traffic regulations, may lead to a fine or other penalty. A more extensive statement is to be found in the *Student Handbook*.

MARRIED STUDENTS A married woman student may enroll or remain in college if her residence is with her husband or parents. A woman student who wishes to continue living in her dormitory after being married must obtain permission from the dean of students.

Divisions, Departments, and
Courses of Study



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Divisions, Departments, and Courses of Study

The courses are offered within five divisions as follows:

DIVISION OF HUMANITIES

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

DIVISION OF SOCIAL SCIENCES

Divisional courses in social science and education and courses in the departments of *Business Administration; Economics; History and Government; Philosophy and Religion; Psychology*; and *Sociology*.

DIVISION OF NATURAL SCIENCES

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

DIVISION OF AEROSPACE STUDIES

Courses in *Aerospace Studies*.

DIVISION OF PHYSICAL EDUCATION AND ATHLETICS

Courses in *Physical Education*.

In the departmental statements below, members of the active faculty anticipated for the academic year 1969-70 are listed.

Division of Humanities

Chairman, ASSOCIATE PROFESSOR GORDON SMITH

Combined majors are offered in classics-English and classics-philosophy.

COMBINED MAJORS

Requirements for the major in classics-English

In English: 211, 212 or 214; one full year period course or its equivalent in semester courses; 421, 422.

In classics: either three years of Latin above the level of 122 or three years of Greek.

Requirements for the major in classics-philosophy

In classics: either three years of Latin above the level of 122 or three years of Greek, subject to departmental approval.

In philosophy: Philosophy 112 or 211, 212; 331, 332; 491 or 492; and 431a, 432.

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

ART

Chairman, PROFESSOR CARPENTER

Professor Carpenter; Associate Professor Miller¹; Assistant Professors Meader and Matthews; and Mr. Freedman.

Requirements for the major in art.

Art 121, 122, 221; at least three semester courses chosen from 252 (or 271), 311, 312, 314, 318, 353, 372, 411; additional courses in art to bring the total to nine semester courses; two semester courses in ancient, European, or American history, or one semester each of history and music.

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

CLASSICS

Chairman, ASSOCIATE PROFESSOR WESTERVELT

Professor Howard; Associate Professor Westervelt; and Assistant Professor D. Koonce.

Requirements for the major in classics

Three years of Latin above 122 and three years of Greek.

¹On leave, 1969-70.

Requirements for the major in Greek

Four years of Greek and Ancient History 261, 262. Two further semesters of history may be substituted for one year of language.

Requirements for the major in Latin

Four years of Latin above 122 and Ancient History 261, 262. Two further semesters of ancient history may be substituted for one year of language.

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

ENGLISH

Chairman, PROFESSOR BENBOW

Professors Strider, Alice Comparetti, Benbow, and Cary; Associate Professors Sutherland, MacKay¹, Suss, Witham, and Curran; Assistant Professors H. Koonce, Brancaccio², Mizner¹, Norford, Sweney, Russ, E. Kenney, Spiegelberg, Meek, Bassett, Stratman, and S. Kenney³; Mrs. E. Pestana³, Mr. Hunt and Mr. Arnold.

Requirements for the major in literature in English

English 211, 212 or 214; English 421-422; and six additional semester courses in English numbered 300 or above, one of which must be in English literature before 1800, one in literature after 1800. Courses at the 100-level and English 253, 374, 391 and 393 do not count toward fulfillment of major requirements. In addition each student must elect two semester courses in history; or in the history of philosophy, music, or art; or literature in a foreign language. These courses are not computed in establishing the major average.

Requirements for honors program in literature in English

Students may apply for admission to the *honors program* at the end of the sophomore year. Students in the *honors program* substitute English 394 and 495 (honors seminars) for two of the regular major offerings. In addition, in the second semester of the senior year they must submit an honors essay and pass an honors examination which will be based on a supplemental reading program and which will include the Graduate Record Examination in literature. Honors will be awarded to those students who

¹On leave, second semester, 1969-70.

²On leave, 1969-70.

³Part-time.

attain honors on essay and examination, and who achieve a 3.1 average in major courses at the end of the senior year.

Attention is drawn to the combined *classics-English* major. See division of humanities combined majors.

MODERN FOREIGN LANGUAGES

Chairman, PROFESSOR BUNDY

Professors Kellenberger, Bundy, and Holland; Associate Professors G. Smith, P. Bither, Biron, Schmidt, and Kempers; Assistant Professors Cauz, Kueter, F. Pérez, C. Ferguson, P. Doel, L. Ferguson, and Filosof; Mrs. Kerkham, Mrs. Mursin, and Mr. Doan.

Placement Test: If a student offers a foreign language for entrance credit and wishes to continue it in college, he must either have taken the CEEB Achievement Test in that language or make arrangements to take a placement test during Freshman Week.

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

Requirements for the major in French

French 125, 126, and eight semester courses numbered 200 or above, with the exception of 211 and 411. Beginning with the class of 1972, majors may elect the sequence French 203, 204; 303, 304; 403, 404 for completion of the major.

Requirements for the major in German

German 215, 216 (or German 107-108) and six semester courses at the 300- or 400-level; or equivalent.

Requirements for the major in Russian

Eight semester courses beyond Russian 103-104. Freshmen who take Russian 101-102 and plan to major in the language are urged to take the equivalent of Russian 103-104 during the summer so that they can take Russian 225, 226 in their sophomore year. The following supporting courses are strongly recommended: History 341, 342.

Requirements for the major in Spanish

Spanish 125, 126 or 141, 142; 257, 258, 321, 322, 351, 352, 355, 356; or equivalent. Spanish 491, 492 may be substituted for one 300-level course.

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.

MUSIC

Chairman, PROFESSOR E. COMPARETTI

Professors E. Comparetti and Ré; Assistant Professor Heinrich; Mrs. Reuman.¹

Requirements for the major in Music

Music 101, 102, 121, 122, 211, 212, 325, 326 and either 321, 322 or 215 and 312; and either French 103-104 or German 103-104. Students planning graduate work in musicology should elect both languages. Some skill at the keyboard is required of all majors.

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

Division of Social Sciences

COMBINED MAJORS

Chairman, ASSOCIATE PROFESSOR WEISSBERG

Opportunity is offered for concentration in three interdepartmental majors: American civilization, East Asian studies and philosophy-mathematics.

Requirements for the major in American civilization

(Adviser: Mr. Bridgman)

Six semester courses in American history; two semester courses in American government and politics: either Philosophy 352 or American religion; four semester courses in American literature, exclusive of English 367, 368; and three additional semesters of American studies.

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

In the Division of Social Sciences generally all courses carry three credit hours. There are a few exceptions in the psychology department and philosophy department. Students should consult the course descriptions to ascertain the exceptions.

¹Part-time.

Requirements for the major in East Asian Studies

(Advisers: Mr. Elison and Mr. Mavrinac)

Japanese 101, 102; 103, 104; and 221, 222 or 241, 242; two of the three following: History 213, 221, 222; two of the three following: History 359, 363, 364; Religion 311, 312; a seminar in East Asian government, history, or literature. Recommended supplements are courses in Indian thought and the art of Asia.

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

Requirements for the major in philosophy-mathematics

(Advisers: Mr. Clark and Mr. Combellack)

In philosophy: either 112 or 211, 212, 331 and 332; 357 and 431a, 432.

In mathematics: at least 18 credit hours, including 361, 362 (113d and 361, effective with the class of 1972).

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

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

BUSINESS ADMINISTRATION

*Chairman, PROFESSOR W. ZUKOWSKI**Professors Williams and W. Zukowski; Assistant Professor Knight and Mr. Landsman.**Requirements for the major in business administration*

Business Administration 221, 222, 321, 322, 413, 414; two semesters of mathematics; Economics 241, 242; and two semester courses selected from the following: Mathematics 241, 242, 243, 244; Economics 336, or any additional courses in business administration.

The point scale for retention of the major applies to all business administration courses and to Mathematics 241, 242, 243, 244 and Economics 336, where these courses are used to satisfy major requirements.

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

ECONOMICS

Chairman, PROFESSOR PULLEN

Professor Pullen; Assistant Professors Gemery, Hogendorn, and Dunlevy; and Mr. Cox.

Requirements for the major in economics

Economics 241, 242, and eight additional semester courses in economics, including Economics 411. Also required is a satisfactory percentile rating in the Graduate Record Examination in Advanced Economics, given in the spring of the senior year. Business administration 221, 222 or 321, 322 may be substituted for two of the eight semester courses in advanced economics required for the major.

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

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

EDUCATION

Director of the Office of Education,

ASSOCIATE PROFESSOR JACOBSON

Courses carrying credit toward professional certification are offered by Professor Jacobson in cooperation with the teaching staff from the departments of English, philosophy, psychology, and modern foreign languages.

Courses are aimed at preparing students for certification as secondary school teachers. These courses are generally accepted by most states for professional certificates. The standard program consists of 30 hours in the student's major subject (commonly taught in the secondary schools) and 18 hours in a minor subject commonly taught in the secondary schools, *e.g.*: 30 hours in French, 18 hours in Spanish or 30 hours in chemistry and 18 hours in physics. In addition, the student's standard program includes 18 hours in professional education courses. The teaching candidate must consult with Professor Jacobson during his freshman year or early in his sophomore year to clarify the requirements for certification.

The following courses carry credit toward certification and constitute the education program at Colby: Education 213, 214; Psychology 321, 322; Philosophy 333 and 352; courses numbered 411 and 411-L in English, French, German, and Spanish; and Education 441, 442. Courses 213, 214; 321, 322; 333 or 352; and 441, 442 meet the requirements of the Maine State Department of Education for the provisional certificate.

A brochure explaining the relation of the Colby program to certification requirements may be obtained at the education office, Room 207E, Miller Library, or, by mail, from the dean of admissions.

HISTORY AND GOVERNMENT

Chairman, PROFESSOR MAVRINAC

Professors Mavrinc, Gillum, and Raymond; Associate Professors Weissberg, Berschneider, and Bridgman; Visiting Associate Professor Foner; Assistant Professors Elison, Jacobs, Makinen, Pan; Mrs. Mavrinc.

The department offers majors both in government and in history. Attention is also invited to the opportunity for majoring in American civilization, or in East Asian studies, each an interdepartmental program (see requirements listed under combined majors, division of social sciences).

Requirements for the major in government

For students in the class of 1969 and subsequent classes: ten semester courses in government. Students are expected to take at least one semester course in government numbered in the 400's.

Requirements for the major in history

For students in the class of 1970 and subsequent classes: ten semester courses in history and two semester courses in government. Majors in history planning to do professional work in history are encouraged to enroll in a senior seminar, but this is not required.

PHILOSOPHY AND RELIGION

Chairman, PROFESSOR CLARK

Professors Clark and Reuman; Visiting Professor Naravane; Associate Professor Todrank¹; Assistant Professors Y. Hudson, Peters, Thorwaldsen; and Mr. Longstaff.²

¹On leave, second semester, 1969-70.

²Part-time.

Requirements for the major in philosophy

Philosophy 112 (unless waived by permission of the department): 211, 212, 331, 332, 353, 431a, 432 and two additional semester courses in philosophy. Social Science 121, 122 may, with consent of the department, be substituted for two of the latter.

Requirements for the major in philosophy and religion

Religion 111, 223, 224, 311; Philosophy 211, 331, 332, 354, 372 and 431a, 432.

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

Combined majors are offered in *philosophy-mathematics* and *classics-philosophy* (see list of requirements above under division of social sciences).

Recommended to the general students as beginning courses in the department are: for freshmen, the sequence, Religion 111, Philosophy 112; for sophomores and upperclassmen, Philosophy 211, 212; for upperclass students interested in historical development and great figures in western philosophy, Philosophy 331 and 332.

PSYCHOLOGY

Chairman, PROFESSOR GILLESPIE

Professors Johnson and Gillespie; Associate Professor Perez; Assistant Professor Zohner, and Dr. DeHart², Lecturer.

Requirements for the major in psychology

Students majoring in psychology will offer the following courses or their equivalent: two semesters of college biology, Mathematics 241, 242, Psychology 211, 232, 381, 382, 392, and nine additional hours in psychology approved by the department.

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

Requirements for the honors program in psychology

In the spring of their junior year, psychology majors may be invited to apply for admission to the *honors program*. Students in this program will meet the regular course requirements for the major, and, in the second semester of the senior year, submit an honors essay (for which they may be enrolled in Psychology 491, 492) and pass an honors examination based on a supplemental reading program and incorporating a nationally standardized

²Part-time.

advanced test in psychology. Honors will be awarded to those who attain honors on essay and examination and who achieve a 3.1 average in major courses by the end of the senior year.

SOCIOLOGY

Chairman, PROFESSOR BIRGE

Professor Birge; Associate Professors Geib¹ and Rosenthal; Assistant Professor Doel; Mr. Marks, and Mrs. Nutting².

Requirements for the major in sociology

Sociology 221, 222, and eight additional semester courses in sociology, including sociology 411, 412; Economics 241, 242; and two semester courses in history.

The point scale for continuation of the major applies to all courses required for the major.

Students planning to enter social work should, at the beginning of their sophomore year, consult with their instructor concerning requirements.

Division of Natural Sciences

COMBINED MAJORS

Chairman, PROFESSOR MACHEMER

The division offers combined majors in geology-biology, geology-chemistry and physics-mathematics. The object is to provide a broad integration of classical geology with life-sciences generally or with aspects of chemistry, mathematics, and physics underlying modern advances in geological science.

Requirements for the major in geology-biology

(Advisers: Mr. Koons and Mr. Scott)

In geology: One of the year-sequences 121, 122; 141, 142; or 161, 162 and 212; plus three additional semester courses as approved.

In biology: Six semester-courses including 111, 114 and 271, as approved. Chemistry 141E, 142 and Mathematics through 112d are required also.

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

Requirements for the major in geology-chemistry

(Advisers: Mr. Allen and Mr. Machemer)

In geology: beginning in the sophomore year 211; 241, 242; 311, 312.

¹On leave, second semester, 1969-70.

²Part-time.

In chemistry: 141e, 142; 331, 332; 341, 342. Physics 141, 142 and mathematics through 212 are required also.

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
(Advisers: Mr. Bancroft and Mr. Combellack)

In physics: 141, 142, plus four additional semester courses as approved.

In mathematics: 112d, 113d, 211d, 212d, 311d, plus one additional semester course as approved.

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

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

BIOLOGY

Chairman, PROFESSOR SCOTT

Professors Scott and Terry; Associate Professors Easton and Davis; Assistant Professors Quillin and Fowles.

Requirements for the major in biology

Mathematics through 112d; Chemistry 141, 142; 32 credit hours in biology including 111, 114, 271, 272; one additional year of science and participation in the biology seminar in the senior year. Biology 111, 114, 271 and 272 constitute a core program and are normally prerequisite to all other biology courses. With special permission of the department a student may arrange to take certain higher numbered courses with Biology 271, 272. The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for graduate study in the biological sciences, including those planning to enter dental, medical or veterinary schools, must take Mathematics 211d, Physics 141, 142, and organic chemistry. It should be noted that requirements for the PH.D. degree in areas of biological science include a reading knowledge of two modern foreign languages.

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

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

Attention is called to the combined *geology-biology* major.

CHEMISTRY

Chairman, PROFESSOR REID

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

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

Requirements for the basic major in chemistry.

Chemistry 141e, 142; 241e, 242; 331; 341, 342; Mathematics 112d, 211d, 212d; Physics 141, 142. Other courses or substitutions should be selected in consultation with the chairman of the chemistry department.

Requirements for the A.C.S. accredited major in chemistry

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

Freshman year: Chemistry 141e, 142; Mathematics 112d, 211d; German 101, 102; or Russian 101, 102.

Sophomore year: Chemistry 241e, 242; Mathematics 212d, and another mathematics or laboratory course chosen in consultation with the adviser; Physics 141, 142; German 103, 104; or Russian 103, 104.

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

Senior year: Chemistry 412, 431. Two other semester courses may be taken as electives.

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

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

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

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

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

The point scale for retention of the major applies to all chemistry courses. All prospective chemistry majors should meet with the chairman as early as possible during the freshman year in order to plan their full chemistry programs.

Attention is called to the combined *geology-chemistry* major.

GEOLOGY

Chairman, PROFESSOR KOONS

Professor Koons; Assistant Professors Coleman and Pestana; Mr. Allen.

Requirements for the major in geology

Geology 121, 122 or 141, 142, or 161, 162; 211, 212; 241, 242; 311, 312; 352; Mathematics 112d; Chemistry 141, 142.

Students planning to teach in the secondary schools may select the *Earth Science Option*; the requirements are: Geology 141, 142; 192; 211, 212; 221, 222; 261; Chemistry 141.

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

Students planning professional careers in geology should remember that graduate schools will require for admission a summer field course or its equivalent, at least one year in physics and

biology, and, frequently, additional mathematics; and that candidates for the doctorate must demonstrate a reading knowledge of two foreign languages.

Attention is also called to the combined *geology-chemistry* and *geology-biology* majors.

MATHEMATICS

Chairman, PROFESSOR COMBELLACK

Professors Combellack; Associate Professor Lucille Zukowski; Assistant Professors Hayslett¹, Junghans and Small; Mr. Fuglister and Mr. Knox.

Requirements for the major in mathematics

Mathematics 112d, 211d, 212d, 311d; 314 or 381; 361, 362, 421, 422, 423; 432; (and 113d, effective with the class of 1972).

The point scale for retention of the major applies to all courses taken in the department above 111.

Attention is invited to the combined major in *philosophy-mathematics* and *physics-mathematics*.

PHYSICS AND ASTRONOMY

Chairman, PROFESSOR BANCROFT

Professor Bancroft¹; Associate Professor Dudley; Assistant Professors Metz and Taffe.

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

It is advisable to take Physics 141, 142 and a mathematics course in the freshman year. A major in physics requires completion of mathematics courses through Mathematics 314, Chemistry 141, 142 and eight courses in physics, including Physics 141, 142 and Physics 421, 422.

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 physics, chemistry, and mathematics.

¹On leave, 1969-70.

It is recommended that the physics major fulfill his college language requirement in either German or Russian. Students contemplating graduate work should acquire a reading knowledge of both or of one of these, plus French.

Attention is also called to the combined major *physics-mathematics*.

Division of Aerospace Studies

Chairman, ASSISTANT PROFESSOR HARRIS¹

Assistant Professor Harris; Captain Hilinski and Captain Korejwo.

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

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

Students may qualify for the two-year Professional Officer Course by completing the Officer Qualifying Test and attending a six-week summer field training course at an Air Force base in the summer between the sophomore and junior years. Students apply for this two-year program during the first semester of their sophomore year.

¹Designated Professor of Aerospace Studies.

Division of Physical Education and Athletics

Chairman, ASSOCIATE PROFESSOR WINKIN

Associate Professors Winkin, and Mrs. M. Bither; Assistant Professors Ullom², Gunn, McGee, Burke, and Covell; Mr. Scholz, Mr. Nelson, Mr. Green, Miss Barry, Mr. Hodges, and Mr. Schulten.

PHYSICAL EDUCATION FOR
MEN

The physical education program for men includes required

²On leave, 1969-70.

classes, intramural sports, intercollegiate athletics (varsity and freshman) and informal recreational activities.

Physical Education 1, 2 — instruction and supervised competition in individual and team sports, in leisure-time carryover activities, and in a program of physical fitness — is required of all freshmen.

Physical Education 3, 4 provides a similar program and is required of all sophomores.

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

The Intramural Athletic Council, composed of a representative from each participating unit, promotes athletics for men; every student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball, bowling, hockey, ping-pong, volleyball, winter sports, track, squash, handball, swimming, softball and tennis. As new interests develop the program will be increased.

The indoor Harold Alfond Arena provides artificial ice for skating. The college operates a ski area with a 1200-foot T-Bar lift and a 32-meter jump convenient to the campus.

PHYSICAL EDUCATION FOR
WOMEN

All freshmen and sophomores are required to attend classes equivalent to three hours per week. Each year is divided into four seasons, and during the freshman year each student must elect one season each of swimming, dance, and an individual sport. Free elections in the sophomore year should provide an opportunity to become proficient in at least one leisure time activity. Beginning, intermediate, and advanced levels of instruction are offered. Posture examinations and specialized fitness tests are given to freshmen and used for subsequent advising.

The department cooperates with the Women's Athletic Association in carrying on activities throughout the year. There is a limited intercollegiate program in some areas sponsored by this group. The Modern Dance Club provides opportunity for those

interested in dance. A Red Cross Water Safety Instructors' course is given. There is skiing instruction on a credit and voluntary basis at the ski area. Figure skating instruction is provided in women's classes at the Alford Arena.

Juniors and seniors may participate in physical education activities when space permits.

All participation is subject to the approval of the college physician.

Seasonal offerings from which election may be made include: fall: archery, field hockey, golf, tennis, riding, swimming, judo, track and field, and modern dance; winter: badminton, balance beam and free exercise, basketball, folk, square and modern dance, fencing, swimming, volleyball, skating, skiing, judo, riding, squash, and body mechanics; spring: archery, golf, lacrosse, tennis, swimming, riding, and modern dance.

INTERCOLLEGIATE ATHLETICS FOR MEN

Athletic teams, varsity and freshman, include baseball, basketball, football, hockey, track, cross country, golf, tennis, skiing, and soccer. All coaches are members of the faculty in the department of physical education and athletics. Colby is a member of the National Collegiate Athletic Association and the Eastern Colleges Athletic Conference.

The rules that govern intercollegiate sports are those adopted by the athletic conferences in which Colby holds membership.

No member of the freshman class and no undergraduate previously enrolled in another college or university and in attendance at Colby College for less than one full college year is eligible to represent Colby on varsity athletic teams.

Summer and Special Programs

Recognizing the diversity of educational interests existing in every community, Colby College maintains a division of summer and special programs with a full-time director.

During the academic year this division arranges such conferences as the *Annual Institute for Maine Industry*. Each summer more than 2,000 individuals from throughout the nation are on campus for courses and institutes covering a range of subjects from *Great Books* to *Hospital Administration*. High school

teachers of science and mathematics attend the six-weeks *Summer Institute for Science*, sponsored by Colby and the *National Science Foundation*. Doctors enroll in the *Lancaster Courses in Ophthalmology*.

Since 1955 Colby has assisted teachers to earn certificate credit, presenting courses through simultaneous telecasts from stations which reach into Maine, Vermont, New Hampshire, New York and Canada.

Information may be obtained by writing to John B. Simpson, 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); or *an odd number* — an independent semester course.

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

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

The letter *a* after a course number indicates an accumulative course, in which course-credit may be obtained only through an accumulation of credit over several semesters.

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 one determined by the instructor. An *E* course finally carries a separate permanent mark for each semester.

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

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

[] Brackets indicate that the course will not be offered in 1969-70.

* An asterisk indicates that the course will probably not be offered in 1970-71.

† A dagger indicates that the course will probably be offered in 1970-71.

A schedule of hours and rooms for courses listed in this catalog 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.

Aerospace Studies

133d
WORLD MILITARY
SYSTEMS
MR. HILINSKI

A study and analysis of the purpose and causes of war and the factors and instruments of national power. The military instrument of the United States is examined in detail including a broad view of the Department of Defense and the three military services. The study concludes with an investigation of the sources of conflict in the world today and an assessment of the progress and prospect for peace. *Three credit hours.*

313d
DEVELOPMENT OF
AEROSPACE POWER
MR. HARRIS

A course dealing with the growth and development of airpower in the United States, airpower today, space operations, and probable future development in manned aircraft and space operations. Conducted primarily in seminar. Three hours of lecture or seminar per week. *Three credit hours.*

413d
AEROSPACE STUDIES
MR. KOREJWO

An introduction to the theoretical aspects of leadership including a study of military management functions, principles, and techniques. Three hours of lecture or seminar per week.

Prerequisite: AS 313d or 332, and permission of the instructor.
Three credit hours.

462
THE PROFESSIONAL
OFFICER
STAFF

A study of professionalism in the Air Force including the management tools, practices, and controls at the junior officer level. Three hours of seminar per week. Required for all AFROTC cadets prior to commissioning.

Prerequisite: Permission of the instructor. *Non-credit.*

Ancient History

IN THE DEPARTMENT OF CLASSICS

261, [262]
HISTORY OF THE
ANCIENT WORLD
MRS. KOONCE

An introduction to the classical world through a political and institutional analysis of ancient life. First semester: the social and political history of Greece from the Minoan and Mycenaean civilizations through the reign of Alexander; second semester:

Roman history from the early Italian civilizations to the Roman empire.

No prerequisite: open to freshmen with the permission of the instructor. *Three credit hours.*

352
PROBLEMS IN
GREEK HISTORY
MRS. KOONCE

Greece in the sixth century.

Prerequisite: Ancient History 261. *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 art from the Renaissance to the present. *Three credit hours.*

221, 222
BASIC DESIGN
MR. MEADER

Principles of design, explored in both two and three dimensions utilizing various media. *Three credit hours.*

241, 242
INTRODUCTION TO
DRAWING
MISS MATTHEWS

Exploration of graphic media while learning basic representational and expressive means. Much emphasis is placed on out-of-class drawing. *Three credit hours.*

†[252]
ARCHITECTURE

Architectural styles with emphasis on modern developments. Course work includes problems in architectural design and the making of models of historical buildings. *Three credit hours.*

271
AMERICAN ART
MR. FREEDMAN

Architecture, sculpture and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. *Three credit hours.*

-
- *311
ART OF THE RENAISSANCE IN
NORTHERN EUROPE
MR. CARPENTER
- 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.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.
-
- †[312]
ART OF THE RENAISSANCE
IN ITALY
- The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major painters and sculptors.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.
-
- *314
VENETIAN AND BAROQUE ART
MR. FREEDMAN
- The art of the sixteenth to eighteenth centuries, with emphasis on the major painters.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.
-
- 318
EUROPEAN ART SINCE 1800
MR. CARPENTER
- Emphasis on French painting of the nineteenth and twentieth centuries.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.
-
- 331d
STUDIO WORK: PAINTING
MR. MEADER
- Oils and other media as vehicles for fully formed original expressions. Offered each semester.
Prerequisite: Art 211, or 221, 232 or 241, permission of instructor. *Three credit hours.*
-
- 335d
STUDIO WORK: SCULPTURE
MISS MATTHEWS
- Work in several sculptural media with emphasis on expressive means.
Prerequisite: Art 211, or 221, 232 or 241, permission of instructor. *Three credit hours.*
-
- †[353]
THE GRAPHIC ARTS
- History and criticism of drawing and print-making with emphasis on European art since the Renaissance.
Prerequisite: Art 121, 122 or permission of the instructor.
Three credit hours.

371d
ADVANCED STUDIO WORK:
PAINTING
MR. MEADER

Offered each semester.
Prerequisite: Art 331d and permission of the instructor. *Three credit hours.*

372
AMERICAN ART OF THE
TWENTIETH CENTURY
MR. FREEDMAN

The world art center moved from Paris to New York in the early '40's making the United States, for the first time, the leading artistic force in the western world. This course pursues the origins and consequences of this change.
Prerequisite: Art 121, 122 or permission of the instructor. *Three credit hours.*

375d
ADVANCED STUDIO WORK:
SCULPTURE
MISS MATTHEWS

A continuation of Art 335d.
Prerequisite: Art 335d and permission of the instructor. *Three credit hours.*

411
SEMINAR IN ART CRITICISM
MR. CARPENTER

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

491, 492
SPECIAL PROBLEMS
STAFF

Individual study of special problems in the practice, history or theory of the visual arts.
Prerequisite: Permission of the instructor.
Three credit hours.

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

[101, 102]
DESCRIPTIVE ASTRONOMY I

The earth as an astronomical body. The moon, the sun and the solar system as a whole. The planets, asteroids, satellites, comets and meteors. Theories of the origin of the solar system. Stellar astronomy. The stars, their distribution, constitutions, evolution, and probable future development.
Prerequisite: Permission of instructor. *Three credit hours.*

[103, 104]
DESCRIPTIVE ASTRONOMY II

This is the course 101, 102 supplemented by regular laboratory sessions. Astronomy 103, 104 satisfies the distribution requirement in laboratory science; Astronomy 101, 102 does not.

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

Biology

111
LOWER INVERTEBRATES
AND PLANTS: ELEMENTS
OF GENETICS
STAFF

Part I: the biology of the lower invertebrates and the lower plants; Part II: an introduction to genetics.

Except with special permission 111 is prerequisite to all other courses in the department. *Four credit hours.*

114
VERTEBRATE BIOLOGY:
DEVELOPMENT, ANATOMY,
AND ORGAN PHYSIOLOGY
STAFF

An introduction to the comparative anatomy and embryology of the vertebrates.

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

115, 116
CONCEPTS IN BIOLOGY
STAFF

These courses are primarily designed for students majoring in the social sciences or humanities. Each 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. Each satisfies one semester of the distribution requirement of a year of laboratory science. *Three credit hours.*

271
INVERTEBRATE AND PLANT
BIOLOGY
MR. DAVIS AND
MR. FOWLES

Part I: Evolution, morphology, and other studies of the invertebrate phyla; lecture, field and laboratory. Part II: Introductory survey of the plant kingdom, including life cycles and evolutionary relationships; microscopic anatomy of the higher plants; lecture and laboratory.

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

-
- 272
CELL BIOLOGY
MR. QUILLIN
- Cellular and associated molecular biology. Laboratory will involve microscopic study of cells and investigation of pertinent physico-chemical phenomena.
Prerequisite: Biology 271 or equivalent, and Chemistry 141, 142 (may be taken concurrently). *Four credit hours.*
-
- 311
FIELD AND SYSTEMATIC
BOTANY
MR. FOWLES
- Plant variation and evolution, illustrating the diversity of problems investigated by plant systematists and the variety of techniques used in studying these problems. A plant collection is required. *Four credit hours.*
-
- 312
GENETICS
MR. SCOTT
- Mendelian principles and their physical basis; of linkage, mutation and the nature of the gene. The genetic mechanisms in evolution are a primary concern of the course.
Four credit hours.
-
- †[313]
INVERTEBRATE ZOOLOGY
- The morphology, physiology and classification of the invertebrates in lecture and in laboratory. The first few weeks of the semester are spent largely in the field, gaining familiarity with invertebrate fauna and preparing collections. *Four credit hours.*
-
- 314
PLANT METABOLISM,
GROWTH AND BEHAVIOR
MR. FOWLES
- The essential mechanism of plant growth and development; photosynthesis, trans-location and enzymology will be studied.
Four credit hours.
-
- 315
PHYSIOLOGY
MR. TERRY
- An introduction of the physiological processes, including enzyme action, respiration, permeability, muscular contraction, nervous and hormonal coordination. *Four credit hours.*
-
- †[317]
HISTOLOGY AND HISTOLOGICAL
TECHNIQUE
- Normal cells and tissues of vertebrates, and their arrangement into organs in the body, with practice in basic techniques of preparing tissues for microscopic observation. *Four credit hours.*
-
- 318
MICROBIOLOGY
MR. TERRY
- The biology of yeast, molds, and bacteria. The aims of the course are (1) to develop general knowledge in this area and (2) to give technical training to those who will become laboratory technicians or research workers. *Four credit hours.*

-
- *331
EMBRYOLOGY
MR. SCOTT
- Animal development with emphasis on experimental analysis.
Four credit hours.
-
- *333
CHORDATE EVOLUTION
MR. EASTON
- Origin of vertebrate form through consideration of homologies in extinct and living organisms. The laboratory will consist of examination and dissection of representative higher invertebrates and non-mammalian vertebrates. *Four credit hours.*
-
- 352
ECOLOGICAL THEORY
MR. DAVIS
- Discussion and reading on populations and ecosystems. *Two credit hours.*
-
- *354
MARINE ECOLOGY
MR. DAVIS
- Field and laboratory studies of marine systems; 354 must be taken together with or following 352. *Two credit hours.*
-
- †[356]
INLAND ECOLOGY
- Field and laboratory studies of terrestrial and fresh water systems; 356 must be taken together with or following 352. *Two credit hours.*
-
- 358
ECOLOGY FIELD STUDY
MR. DAVIS
- A week-long 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.*
-
- 401, 402
BIOLOGY SEMINAR
STAFF
- One credit hour for the year.*
-
- 491, 492
SPECIAL PROBLEMS
STAFF
- Normally open only to senior biology majors whose work in the department has been of better than average quality.
Prerequisite: Special permission of the department. *Four credit hours.*
- All courses at the 300-level have as prerequisite: Biology 272 or permission of the department.

Business Administration

- 221e, 222
PRINCIPLES OF ACCOUNTING
MRS. KNIGHT
- A study of the underlying theory and the analytical aspects of accounting. Emphasis is placed on accounting as a control device and tool of management. *Three credit hours.*
-
- 321, 322
FINANCE
MR. ZUKOWSKI
- An analytically structured approach to decision-making in the financial area. Money and capital markets are considered.
Prerequisites: Business Administration 221, 222 and Economics 241, 242 or special permission. *Three credit hours.*
-
- 341, 342
ADVANCED
ACCOUNTING
MR. ZUKOWSKI
AND MRS. KNIGHT
- Advanced study of accounting theory with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.
Prerequisite: Business Administration 221e, 222.
Three credit hours.
-
- 343, 344
MARKETING
MR. LANDSMAN
- An analytical approach to the study of marketing functions, activities, and institutions. Business, economics, and social implications of major policies underlying the activities of such institutions are examined.
Prerequisite: Business Administration 221, 222 or Economics 241, 242. *Three credit hours.*
-
- 353
MANAGERIAL
ECONOMICS
MR. ZUKOWSKI
- The business decision-making process examined in an economic context.
Prerequisites: Business Administration 221, 222 and Economics 241, 242 or special permission. *Three credit hours.*
-
- 354
LAW
MR. LANDSMAN
- A study of those processes of law which underlie business relationships. *Three credit hours.*
-
- 411
THE CONSUMER
IN SOCIETY
MRS. KNIGHT
- Consumer behavior is examined within the framework of the financial and social institutions which comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives and decisions. *Three credit hours.*

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- 412
INVESTMENTS
MR. WILLIAMS
- The principles of investment, with special attention to investment analysis, the investment process, and criteria for investment decisions.
Prerequisites: Business Administration 221, 222, 321, 322.
Three credit hours.
-
- 413
ORGANIZATIONAL
BEHAVIOR
MR. LANDSMAN
- 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.
Prerequisites: Sociology 221, 222 or special permission of instructor. *Three credit hours.*
Note: This course may be offered cooperatively with Sociology 393. A student may not receive credit for both Business Administration 413 and Sociology 393.
-
- 414
SPECIAL TOPICS
MR. ZUKOWSKI
- Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class.
Prerequisites: Business Administration 221, 222, 321, 322, 413 and two additional semester courses in business administration or from the approved group (see major requirements). *Three credit hours.*
-

Chemistry

- 141C, 142
GENERAL CHEMISTRY AND
ELEMENTARY QUANTITATIVE
ANALYSIS
MR. MACHEMER
- Certain selected fundamental principles in inorganic chemistry. First semester covers stoichiometry and ionic equilibria, with laboratory practice in introductory quantitative analysis. Second semester: atomic and molecular structure, with the laboratory devoted chiefly to systematic semimicro qualitative analysis. Three hours of lecture, one hour of discussion, and three hours of laboratory per week. *Four credit hours.*
-
- 241C, 242
ORGANIC CHEMISTRY
MR. REID
- The chemistry of aliphatic, aromatic and heterocyclic compounds from the point of view of synthesis, structure, properties and uses. Three hours of lecture, one hour of discussion, and five hours of laboratory per week.
Prerequisite: Chemistry 142. *Five credit hours.*

-
- 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. Two hours of lecture and a minimum of six hours per week of laboratory work.
Prerequisite: Chemistry 142. *Four credit hours.*
-
- 332
INSTRUMENTAL ANALYSIS
MR. MACHEMER
- Instrumental analytical chemistry, affording theoretical and practical instruction in the use of special instrumental methods, such as colorimetric, conductometric, amperometric, potentiometric, spectrophotometric, and others. Two hours of lecture, one hour of discussion, and five hours of laboratory per week.
Prerequisite: Chemistry 331, 342; Mathematics 212d. (Chemistry 342 may be taken concurrently). *Four credit hours.*
-
- 341, 342
PHYSICAL CHEMISTRY
MR. RAY
- The laws governing the physical and chemical behavior of substances, emphasizing the theories and methods of physical chemistry. Particular attention is given to the application of physical chemical principles to the solution of problems. Three hours of lecture, one hour of discussion, and five hours of laboratory per week.
Prerequisite: Chemistry 142; Mathematics 212d; Physics 142. *Five credit hours.*
-
- 411
ADVANCED PHYSICAL
CHEMISTRY
MR. SMITH
- Important topics in physical chemistry 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 group theory, and chemical spectroscopy. Three hours of lecture per week. *Three credit hours.*
-
- 412
INORGANIC CHEMISTRY
MR. SMITH
- Current models and concepts of inorganic chemistry with emphasis on both reaction and structural aspects, including nuclear chemistry, acid-base theory, chemical bonding, periodic properties, and coordination compounds. Three hours of lecture per week. *Prerequisite or corequisite:* Chemistry 342. *Three credit hours.*

431
 QUALITATIVE ORGANIC
 ANALYSIS
 MR. REID

The systematic identification of organic compounds. Two hours of lecture, six hours of laboratory per week.
Prerequisite: Chemistry 332; Chemistry 342. *Four credit hours.*

432
 ADVANCED ORGANIC
 CHEMISTRY
 MR. MAIER

Fundamental principles of physical organic chemistry with emphasis on organic reaction mechanisms and transition state theory. Two hours of lecture per week. *Two credit hours.*

467, 468
 BIOCHEMISTRY
 MR. MAIER

Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Three hours of lecture, five hours of laboratory per week. Biology 111 and 114 are recommended as preparation. *Four credit hours.*

491, 492
 SPECIAL TOPICS
 STAFF

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

All 400-level courses have, as prerequisite, Chemistry 342 or permission of the department.

Classics (IN TRANSLATION)

IN THE DEPARTMENT OF CLASSICS

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

131
 EARLY GREEK POETRY
 MR. WESTERVELT

A close reading of the *Iliad* and the *Odyssey* of Homer in the light of the techniques of oral poetry.
No knowledge of Greek required. Three credit hours.

232
 GREEK DRAMA
 MR. WESTERVELT

Greek tragedy with particular emphasis on the *Oresteia* of Aeschylus, the *Oedipus* of Sophocles and the *Hippolytus* of Euripides.
 This course is open to freshmen. *Three credit hours.*

Comparative Literature

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

212, 214
THE ART OF THEATRE
MR. SMITH AND
MR. WESTERVELT

In the academic year 1969-70 these are the courses described elsewhere as Classics 232 and French 357d2.

Prerequisites: for 212 (Classics 232) none; for 214 (French 357d2) the Classics 232 must be taken concurrently. *Each three credit hours.*

[321, 322]
FORMS OF THE NOVEL

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

337, 339
LITERARY MOVEMENTS
MR. BUNDY AND
MR. MIZNER

Intensive study of one of the major literary movements as manifested in various nations and cultures. Representative works studied in English. For 1969-70 this course consists of French 337 and English 339.

Prerequisites: Both must be taken concurrently. *Each three credit hours.*

Economics

241e, 242
PRINCIPLES OF ECONOMICS
STAFF

Principles of economics and their applications to modern economic life. *Three credit hours.*

321, 322
ECONOMICS OF GOVERNMENT
REGULATION
MR. COX

Economic power in a private enterprise economy and the role of government in this context. In the second semester, an examination and evaluation of the antitrust laws.

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

323, 324
PUBLIC FINANCE AND
FISCAL POLICY
MR. DUNLEVY

American tax structure — federal, state and local — and of the economic effects of various types of taxes and of government fiscal policy.

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

-
- 331
INTERMEDIATE ECONOMIC
THEORY
MR. COX
- Theoretical concepts involved in the determination of price and output in a market economy. Analysis of both commodity and factor markets will be undertaken.
Prerequisite: Economics 241, 242. *Three credit hours.*
-
- †[334]
ECONOMIC DEVELOPMENT
- The developing areas and their drive toward economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process.
Prerequisite: Economics 241, 242. *Three credit hours.*
-
- 336
MODERN THEORY OF INCOME
DETERMINATION
MR. 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.
Prerequisite: Economics 241, 242. *Three credit hours.*
-
- *341, 342
MONEY AND BANKING
MR. PULLEN
- The role of money, credit and banking in the American economy, and the applicability of monetary policy to the problems of economic stability.
Prerequisite: Economics 241, 242. *Three credit hours.*
-
- †[361, 362]
LABOR ECONOMICS
- The American labor movement, emphasizing the development of unionism, union collective bargaining policies and practices, labor legislation, and the economic aspects of some major problems of labor.
Prerequisite: Economics 241, 242. *Three credit hours.*
-
- 372
EUROPEAN ECONOMIC
HISTORY
MR. GEMERY
- The framework of economic analysis applied to European historical patterns and trends. Study of aspects of industrialization, capital accumulation, technology change, trade and migration, and effects of entrepreneurial and government decisions.
Prerequisite: Economics 241, 242. *Three credit hours.*
-
- *381, 382
INTERNATIONAL ECONOMICS
MR. HOGENDORN
- International trade theory, the balance of payments, commercial policy, and problems of international disequilibrium and adjustment.
Prerequisite: Economics 241, 242. *Three credit hours.*

†[391] COMPARATIVE ECONOMIC SYSTEMS	The basic types of economic systems, with special attention to the problems of economic planning and economic development. Emphasis is on Western Europe, Japan, the Soviet Union, and China. <i>Prerequisite: Economics 241, 242. Three credit hours.</i>
411 MAJOR ECONOMISTS, 1750-1900 MR. GEMERY	An examination and appraisal of the contributions of the major economists from Adam Smith to Alfred Marshall to the development of economic thought. Extensive use of source material. <i>Prerequisite: Economics 241, 242, and senior standing. Required of all majors. Three credit hours.</i>
491, 492 SPECIAL TOPICS IN ECONOMICS STAFF	Independent study devoted to a topic chosen by the student with the approval of the department. Open only to senior majors in economics. May be elected for either semester, or for the full year. <i>Three credit hours.</i>

Education

ARRANGED AND COORDINATED BY THE EDUCATION OFFICE

213 INTRODUCTION TO EDUCATION: THE AMERICAN SCHOOL, SEVENTEENTH-NINETEENTH CENTURIES MR. JACOBSON	American public education today and its historic roots; emphasis on the contemporary elementary school and the profession of teaching. Required for Education 441. <i>Two credit hours.</i>
214 INTRODUCTION TO EDUCATION: THE AMERICAN SCHOOL, TWENTIETH CENTURY MR. JACOBSON	The American public school in the twentieth century; emphasis on the junior high school and the profession of teaching. Required for Education 441. <i>Two credit hours.</i>
321 CHILD PSYCHOLOGY MR. ZOHNER	This course, carrying credit toward certification, is listed as Psychology 321 (<i>q.v.</i>). Required for Education 441. <i>Three credit hours.</i>

322
ADOLESCENT PSYCHOLOGY
MR. ZOHNER

This course, carrying credit toward certification, is listed as Psychology 322 (*q.v.*). Required for Education 441. *Three credit hours.*

333
PHILOSOPHY OF EDUCATION
MR. HUDSON

This course, carrying credit toward certification, is listed as Philosophy 333 (*q.v.*). Recommended before Education 441. *Three credit hours.*

352
AMERICAN THOUGHT
MR. HUDSON

This course, carrying credit toward certification, is listed as Philosophy 352 (*q.v.*). Recommended before Education 441. *Three credit hours.*

441, 442
STUDENT TEACHING
MR. JACOBSON

A study of the senior high school and general teaching-learning problems and techniques. Actual classroom observations and teaching experiences are analyzed in a theoretical framework. First semester prepares the individual for student teaching in January. Second semester focuses on specific problem areas and an applied research and development project which the student conducts in the local school system. Intensive readings in curriculum, methodology, tests and measurements, etc., required.

Prerequisites: Education 213, 214, Psychology 321, 322, plus one approved elective taken previously or concurrently. Permission of the instructor is required prior to registration. *Three credit hours.* Required for certification.

411 or 411-L
TEACHING METHODS

Attention is drawn to teaching methods courses offered in English (English 411) and in various modern foreign languages (courses listed at 411, 411-L).

English

111, 112
113, 114
ENGLISH FUNDAMENTALS
MR. SPIEGELBERG

Courses offering tutorial aid and intensive drill in written English for those whose training in English is limited.

Prerequisite: Recommendation of the department. *Three credit hours.*

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- 115
ENGLISH COMPOSITION
STAFF
- Frequent practice in expository writing. Emphasis will be on the rhetorical modes of organization and the development of analysis and argument. *Three credit hours.*
-
- 116
EXPOSITORY WRITING
STAFF
- A course for those who desire further practice in the fundamentals of composition.
Prerequisite: English 115 or exemption.
-
- 118
CREATIVE WRITING
STAFF
- Introduction to the writing of poetry, with emphasis upon line forms (*e.g.* meter, syllabics) and fixed forms (*e.g.* sonnets, villanelle).
Prerequisite: English 115 or exemption.
-
- 131d
GENERAL SPEECH
MR. WITHAM
- Fundamental principles of the composition and oral delivery of speeches. *Two credit hours.*
-
- 152
INTRODUCTION TO
LITERATURE
STAFF
- An introduction to the analytic study of the structure and meaning of major works of literature. Particular attention will be paid to ways in which a nonrational rhetoric of imagery and paradox may communicate emotions, intuitions, and insights.
Prerequisite: English 115 or exemption.
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- 211d
INTRODUCTION TO LITERATURE
IN ENGLISH
STAFF
- Literature in the English language (medieval through Renaissance).
Prerequisite: English 152 or sophomore standing. *Three credit hours.*
-
- 212d
INTRODUCTION TO LITERATURE
IN ENGLISH
STAFF
- Literature in the English language (eighteenth through twentieth centuries) through a study of selected English authors.
Prerequisite: English 211. *Three credit hours.*

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- 214d
INTRODUCTION TO LITERATURE
IN ENGLISH
STAFF
- Literature in the English language (eighteenth through twentieth centuries) through a study of selected American authors.
Prerequisite: English 211. *Three credit hours.*
-
- 253
ARGUMENTATION AND DEBATE
MR. WITHAM
- Principles of argumentation with application in extended persuasive speeches and formal debate.
Prerequisite: English 131 or permission of the instructor.
Three credit hours.
-
- 311
ANGLO-SAXON LITERATURE:
MEDIEVAL LITERATURE I
MR. MACKAY
- English literature from the beginning to 1400. The first third considers *Beowulf* and selected Anglo-Saxon literature. The remainder is devoted to Chaucer's *Canterbury Tales*.
Prerequisite: English 212 or 214. *Three credit hours.*
-
- †[312]
MEDIEVAL LITERATURE II
- An intensive study of *Troilus and Criseyde*, the *Book of the Duchess*, the *Parliament of Fowls*, *House of Fame*, and *Boece*.
Prerequisite: English 311 or permission of the instructor.
Three credit hours.
-
- 313d2
MEDIEVAL LITERATURE III
MR. RUSS
- The contemporaries and immediate successors of Chaucer. The course will focus on *Piers Plowman* (passus I-VII); *Sir Gawain and the Green Knight*; *The Tale of the Death of Arthur* (i.e., the last tale in Malory's *Works*), and selected lyrics.
Prerequisite: English 311 or permission of the instructor.
Three credit hours.
-
- 314
THE ENGLISH RENAISSANCE
MR. ARNOLD
- The prose and poetry of the sixteenth century within the context of humanism and the Reformation. Consideration will be given to the major literary traditions, and readings will be drawn from Erasmus, Marlowe, More, Shakespeare, Surrey, Wyatt, and others.
Prerequisite: English 212, or 214. *Three credit hours.*
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- †[316]
SPENSER
- The poetry of Edmund Spenser. Attention will be focused upon *The Faerie Queene* and the problem of Renaissance epic.
Prerequisite: English 212, or 214. *Three credit hours.*

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- 317
POETRY OF THE LATER
RENAISSANCE
MR. ARNOLD
- Selected poets including Shakespeare, Donne, Jonson, Herbert, and Marvell.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 318
RESTORATION LITERATURE
MR. SWENEY
- Selected works by Bunyan, Butler, Dryden, Locke, Wycherley, Etherege, Farquhar, Shadwell, and other major English writers of the period from 1660 to 1700.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 323, 324
ENGLISH DRAMA TO 1642
MR. SUSS
- Plays and dramatic instances from medieval times to the closing of the theatres in 1642, viewed in terms of literary values and theatrical techniques. There will be collateral readings in continental drama. Qualified students may be admitted to the second semester without the first.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 331
MILTON
MR. NORFORD
- Milton's poetry and prose.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 333
EIGHTEENTH CENTURY
LITERATURE: THE
RATIONAL TRADITION
MR. SUTHERLAND
- A study of selected works by Congreve, Gay, Pope, Swift, Fielding, Johnson, and others. Special attention will be given to the genres of comedy and satire, and to problems involved in the literary expression of rational and analytical attitudes toward men and society.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 334
EIGHTEENTH CENTURY
LITERATURE: SENSIBILITY
AND VISION
MR. SUTHERLAND
- A study of selected works by Smollett, Sterne, Gray, Smart, Blake, and others. An attempt will be made to trace the development of new attitudes toward the feelings and institutions of individuals as these found expression in literature. The interaction of visual and literary art in William Blake's illuminated books will be examined.
Prerequisite: English 212, or 214. *Three credit hours.*

[335] Selected writings of Wordsworth, Coleridge, Lamb and Hazlitt.
 WORDSWORTH AND HIS Emphasis will be mainly on romantic poetry and criticism.
 CONTEMPORARIES *Prerequisite:* English 212, or 214. *Three credit hours.*

[336] The development and chief works of Byron, Shelley and Keats.
 BYRON, SHELLEY, AND KEATS *Prerequisite:* English 212, or 214. *Three credit hours.*

337 From 'the hero as man of letters' to 'art for art's sake,' a study of
 VICTORIAN LITERATURE: changing aesthetic theory from 1832 to 1900, with emphasis both
 ART AND SOCIETY on poetic technique and on the social function of art and the
 MISS CURRAN artist. Works by Tennyson, Browning, Arnold, the Pre-Raphaelites, Ruskin, Pater, Hopkins, and others.
Prerequisite: English 212, or 214. *Three credit hours.*

338 The Victorian comic tradition, emphasizing the nature of comedy
 VICTORIAN LITERATURE: and the conditions which produced it. Works by Carlyle, the
 THE COMIC SPIRIT early *Punch* writers, Thackeray, Dickens, the nonsense writers,
 MISS CURRAN Meredith, Wilde and Shaw.
Prerequisite: English 212, or 214. *Three credit hours.*

339 A study of the romantic movement in England as seen in the
 ROMANTICISM various literary genres and in other areas. Guest lecturers will
 MR. MIZNER discuss the impact of romanticism in several countries, affecting
 art, music, and philosophy.
Prerequisite: English 212 or 214 and concurrent enrollment in
 French 337. *Three credit hours.*

†[341, 342] The modern theatre in America and Europe, approached through
 MODERN DRAMA critical reading and discussion of the outstanding plays of the
 late nineteenth and twentieth centuries, with lectures on the im-
 portant theatrical movements of the time. Qualified students may
 be admitted to the second semester without the first.
Prerequisite: English 212, or 214. *Three credit hours.*

351 Selected prose and poetry from the Puritan period, the Age of
 EARLY AMERICAN AUTHORS Reason, and the pre-romantic movement in American literature.
 MR. BASSETT *Prerequisite:* English 212, or 214. *Three credit hours.*

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- 352
REALISM AND NATURALISM
IN AMERICAN FICTION
MR. BASSETT
- The development of fictional techniques in America during the late nineteenth and early twentieth century. Readings will be drawn from the following authors: Twain, James, Crane, Howells, Norris, Garland, and Dreiser.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 353
TWENTIETH CENTURY
POETRY
MR. HUNT
- The major poetry of Yeats, Pound, Eliot, W. C. Williams, Thomas, and others with emphasis on the formal and experimental qualities of the works read.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 354d
TWENTIETH CENTURY
FICTION
MR. KENNEY
- The fiction of Conrad, Joyce, Lawrence, Woolf, Hemingway, Faulkner, and others with emphasis on the central question of form in the twentieth century novel.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 356
HISTORY OF THE ENGLISH
LANGUAGE
MR. RUSS
- A brief introduction to linguistics, followed by a study of the historical development of the sounds, structure, vocabulary, and levels of English, from its origins to its current American usage.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 358
LITERARY CRITICISM
MR. SPIEGELBERG
- Analysis of the techniques of literary criticism emphasizing modern theory and practice.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 374d
ORAL INTERPRETATION
MR. WITHAM
- Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 391
FICTION WORKSHOP
MR. MEEK
- Practice in the writing of short stories with major emphasis upon student manuscripts.
Prerequisite: English 212, or 214 and permission of instructor. Applicants must submit manuscripts to instructor to secure permission to elect this course. *Three credit hours.*

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- †[393]
POETRY WORKSHOP
- Practice in the writing of poetry with major emphasis upon student manuscripts.
Prerequisite: English 212, or 214 and permission of instructor. Applicants must submit manuscripts to instructor to secure permission to elect this course. *Three credit hours.*
-
- 394
HONORS SEMINAR
MR. NORFORD
- Topics, which change each semester, normally investigate a genre and cut across literary periods.
Prerequisite: Open only to members of *honors program*. *Three credit hours.*
-
- 411
THE TEACHING
OF ENGLISH
MR. BENBOW
- Reading and discussion of current issues in the teaching of English.
Prerequisite: Concurrent enrollment in Education 441. *One credit hour.*
-
- 421, 422
SHAKESPEARE
MR. BENBOW AND
MR. KOONCE
- Selected plays with special attention to the intellectual background and to Shakespeare's development as a dramatist. First semester, a study of histories, romantic comedies, and early tragedies; second semester: problem comedies, tragedies, and romances. 422 may be elected separately by permission of the instructor.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 423, 424
MAJOR AMERICAN
ROMANTICS
MR. CARY
- The golden age of romanticism in American literature. First semester: representative works of Poe, Emerson, Thoreau; second semester, Whitman, Melville, Hawthorne. The first semester may be taken alone, but it is a prerequisite for the second.
Prerequisite: English 212, or 214. *Three credit hours.*
-
- 491, 492
TOPICS IN LITERATURE
STAFF
- Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the chairman. *Three credit hours.*
-
- 493, 494
SEMINAR IN ENGLISH
AND AMERICAN LITERATURE
STAFF
- Topics which change each semester may cover an author, a genre, or a literary movement.
Prerequisite: Permission of the department. *Three credit hours.*

495
HONORS SEMINAR
MR. SWENEY

Topics, which change each semester, normally investigate a genre and cut across literary periods.

Prerequisite: Open only to members of *honors program*. *Three credit hours.*

French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

101, 102
ELEMENTARY FRENCH
MR. BUNDY AND STAFF

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

103, 104
INTERMEDIATE FRENCH
STAFF

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

Prerequisite: French 101, 102 or two years of high-school French and appropriate score on the placement test. *Three credit hours.*

123, 124
ADVANCED FRENCH
STAFF

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

Prerequisite: French 103, 104 or three years of high-school French and appropriate score on the placement test. *Three credit hours.*

125, 126
INTRODUCTION TO
FRENCH LITERATURE
STAFF

Introduction to French literature through the reading of selected masterpieces illustrative of the major genres. Intensive reading and *analyse de texte*. Conducted chiefly in French. French 127, 128 is highly recommended as a one-hour course which offers additional training in writing and language.

Prerequisite: French 103, 104 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, 128
WRITING WORKSHOP
IN FRENCH
STAFF
- Practice in writing, free composition, grammar review. Conducted chiefly in French.
Prerequisite: Student must be registered concurrently in French 125, 126. *One credit hour.*
-
- 203, 204
MAJOR FRENCH
AUTHORS
STAFF
- A study of thematically grouped works of major French authors and critical and background materials. Two lectures and one discussion period per week. Conducted chiefly in French.
Prerequisite: French 125, 126 or the equivalent. Open only to sophomore majors in French. *Four credit hours.*
-
- 211d
FRENCH COMPOSITION
MR. BIRON
- Extensive practice in oral and written composition; some translation from English to French. Attention to some finer points of grammar and elements of style. Offered each semester.
Prerequisite: French 125, 126 or permission of the instructor. *Three credit hours.*
-
- 241, 242
CONTEMPORARY FRENCH
LITERATURE
MR. SMITH AND MR. FILOSOF
- Introduction to literature of the 20th century, with representative works in prose, poetry, and theatre. Conducted chiefly in French.
Prerequisite: French 125, 126. *Three credit hours.*
-
- †[303, 304]
INDEPENDENT
STUDY
- Students work independently on a tutorial basis in one or more areas of French literature and civilization.
Prerequisite: French 203, 204. Open only to junior French majors. *Four credit hours.*
-
- 337
FRENCH
ROMANTICISM
MR. BUNDY
- A study of the romantic movement in France as seen in the various literary genres as well as in other areas. Guest lecturers will discuss the impact of romanticism in several countries and in art, music, philosophy, etc. Conducted chiefly in French.
Prerequisite: French 125, 126 or the equivalent and concurrent enrollment in English 339. *Three credit hours.*

338
BAUDELAIRE
AND THE
SYMBOLISTS
MR. BUNDY

A study of the poetry and related works of Baudelaire and the symbolist poets of the late 19th and early 20th centuries. Conducted primarily in French.

Prerequisite: French 125, 126 or the equivalent. *Three credit hours.*

*341, 342
FRENCH LITERATURE OF THE
SEVENTEENTH CENTURY
MR. FERGUSON

The development of French classicism; particular attention to Descartes, Corneille, Molière, Pascal, La Fontaine, and Racine. Collateral readings on the social and historical background. Conducted chiefly in French.

Prerequisite: French 241, 242 or permission of the instructor. *Three credit hours.*

†[343, 344]
FRENCH LITERATURE OF THE
EIGHTEENTH CENTURY

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

Prerequisite: French 241, 242 or permission of the instructor. *Three credit hours.*

†[347, 348]
THE FRENCH REALISTIC
NOVEL

The form and development of the realistic novel in France in the 19th and early 20th centuries, from Stendhal through Balzac, Flaubert, Zola to Proust. Conducted chiefly in French.

Prerequisite: French 241, 242 or permission of the instructor. *Three credit hours.*

357d2
THE CONTEMPORARY
FRENCH THEATRE
MR. SMITH

The development of French drama from the Théâtre Libre to the present. Plays representative of the various movements, chosen from the works of Maeterlinck, Porto-Riche, Cœuret, Claudel, Romain, Lenormand, Sarment, Cocteau, Giraudoux, Montherlant, Sartre, Beckett, Ionesco, Genet, and others. Conducted chiefly in French.

Prerequisite: French 241, 242 or permission of the instructor, and concurrent enrollment in Classics 232. *Three credit hours.*

-
- 358d1
THE CONTEMPORARY
FRENCH NOVEL
MR. SMITH
- The French novel from 1900 to the present day, with readings from Gide, Proust, Mauriac, Sainte-Exupéry, Camus, Sartre, Robbe-Grillet, and others. Conducted chiefly in French.
Prerequisite: French 241, 242 or permission of the instructor.
Three credit hours.
-
- [403, 404]
HISTORY OF
FRENCH LITERATURE
- Senior majors review the history of France and its literature using the individual projects of the junior year as a point of departure. Conducted in French.
Prerequisite: French 303, 304. Open only to senior majors in French. *Three credit hours.*
-
- 411
TEACHING OF MODERN
FOREIGN LANGUAGES
MR. 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 Certificate. Conducted in English.
Prerequisite: French 241, 242. *Three credit hours.*
-
- 411-L
LANGUAGE TEACHING
STAFF
- Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in French 411.
Two credit hours.
-
- 412
ADVANCED COMPOSITION
AND STYLISTICS
MR. BIRON
- Characteristics of French style as seen in various authors. Representative readings and free composition, with some work in the history of the language. Conducted in French.
Prerequisite: Permission of the instructor. *Three credit hours.*
-
- 491, 492
TOPICS IN
FRENCH LITERATURE
MR. KELLENBERGER
AND MR. BUNDY
- Topics, which change each semester, may cover an author, a genre, or a literary movement. Topics for 1969-70: 491, Voltaire; 492, Balzac. Conducted on a seminar basis.
Prerequisite: permission of the instructor. *Three credit hours.*

Geology

<p>121e, 122 INTRODUCTION TO GEOLOGICAL SCIENCE (I)¹ MR. KOONS</p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes. (Satisfies science distribution requirement, but not laboratory science.) <i>Three credit hours.</i></p>
<p>141e, 142 INTRODUCTION TO GEOLOGICAL SCIENCE (II)¹ MR. KOONS</p>	<p>Lecture and text material the same as Geology 121e, 122, but with the addition of laboratory and field sessions. Enrollment limited to one laboratory section of 25-30 students; recommended for those planning to major in geology. <i>Four credit hours.</i></p>
<p>161e, 162 PROBLEMS IN GEOLOGY¹ STAFF</p>	<p>The 8-10 'open' problems in geology: major problems under active investigation at the present time, about which there may be honest disagreement among competent scholars. Regular written or oral discussions will be required. At least one problem each semester involves extensive individual laboratory or field investigation. Not recommended for students wishing an introduction to geologic mechanisms and processes, or those planning to major in geology. Enrollment limited to 20-25 students per section. <i>Three credit hours.</i></p>
<p>*192 METEOROLOGY MR. KOONS</p>	<p>Physical properties of the atmosphere; the origin and classification of weather types; air mass analysis and principles of prediction. Does not satisfy the science requirement. <i>Three credit hours.</i></p>
<p>211 DESCRIPTIVE MINERALOGY MR. ALLEN</p>	<p>Crystallography, physical properties, and chemical structure of minerals. <i>Prerequisite:</i> Chemistry 141. <i>Four credit hours.</i></p>
<p>212 SEDIMENTATION AND SEDIMENTARY ROCKS MR. PESTANA</p>	<p>Mechanical and chemical processes of sedimentation, environments, methods of mechanical analysis of sediments, and a description and classification of the sedimentary rocks. <i>Prerequisite:</i> Geology 122, or 142, or 161, 162. <i>Four credit hours.</i></p>

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

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- †[221, 222]
MAP INTERPRETATION AND
GEOMORPHOLOGY
OF THE UNITED STATES
- Origin, history, and classification of landforms, based on study of topographic maps of the United States leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States.
Prerequisite: Geology 122, or 142, or 161, 162. *Three credit hours.*
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- †[241, 242]
GEOLOGIC STRUCTURES AND
FIELD METHODS
- Analysis of rock structures and their significance, and techniques of field mapping.
Prerequisite: Geology 122, or 142, or 161, 162. *Four credit hours.*
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- 261, 262
INVERTEBRATE
PALEONTOLOGY
MR. PESTANA
- Morphology of invertebrates and general principles including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification.
Prerequisites: for 261: Geology 122, or 142, or 162, or one year of biology; for 262: Geology 261 or Biology 271. *Four credit hours.*
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- *271
GLACIAL GEOLOGY
MR. KOONS
- The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field mapping problem will be assigned.
Prerequisite: Geology 122, or 142, or 162. *Three credit hours.*
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- 311
OPTICAL MINERALOGY
MR. ALLEN
- Optical properties of crystals; technique in the determination of minerals using the petrographic microscope.
Prerequisite: Geology 211. *Four credit hours.*
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- 312
PETROLOGY OF THE IGNEOUS
AND METAMORPHIC ROCKS
MR. ALLEN
- Optical study of the igneous and metamorphic rocks, and their origin, structure, and composition.
Prerequisite: Geology 311. *Four credit hours.*
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- †[314]
PETROLEUM GEOLOGY
- The origin, occurrence, and production of petroleum, natural gas, and related compounds. Attention is given to methods of discovery and correlation of petroliferous rocks.
Prerequisite: Geology 212. *Four credit hours.*