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## Colby College Catalogue 1955 - 1956

Colby College

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COLBY COLLEGE

BULLETIN



*Annual Catalog Issue*

*May, 1955*

*Waterville, Maine*

This issue of The Colby College Bulletin has been published for the purpose of setting forth information relating to formal requirements and regulations, the curriculum and personnel.

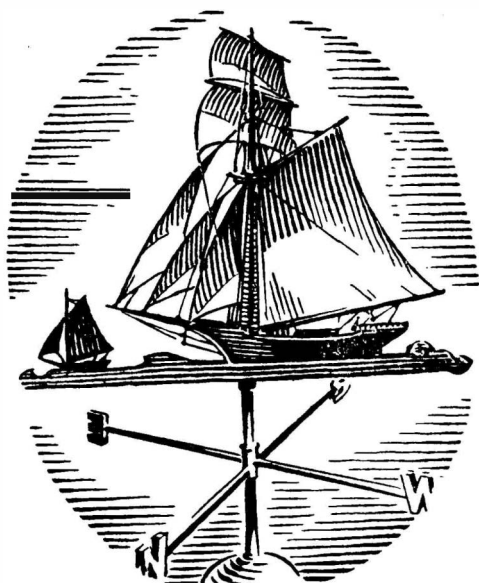
For general and descriptive information about the purpose and history of the college extra-curricular life, and similar matters including photographs, the reader is referred to the illustrated booklet "About Colby" and to the Colby Gray Book.

Colby

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1959

# GENERAL INFORMATION



The Sloop Hero, in which Jeremiah Chaplin sailed from Boston in 1818 to become Colby's first president.

A LIBERAL ARTS COLLEGE  
COLLEGE PLANT  
ADMISSION  
GRADUATION REQUIREMENTS  
HONORS AND PRIZES  
GENERAL REGULATIONS  
AFROTC  
SUMMER SCHOOL  
ADULT EDUCATION  
FINANCES

# General Information

- 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. Authorized to confer degrees by the first Legislature of Maine, June 19, 1820. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. First Commencement, 1822.
- FUNCTIONS:** Independent College of Liberal Arts for Men and Women (women first admitted, 1871); non-sectarian, founded under Baptist auspices.
- DEGREE CONFERRED:** Bachelor of Arts. No other degrees in course and no graduate courses.
- ENROLLMENT:** 600 men, 450 women. Faculty: 82.
- ENDOWMENT:** \$5,070,000. Library: 168,000 volumes.
- ACCREDITATION:** Member of Association of American Colleges, New England Association of Colleges and Secondary Schools, College Entrance Examination Board. Approved by Association of American Medical Schools, American Association of University Women, Phi Beta Kappa Society.
- LOCATION:** Waterville, Kennebec County, Maine. Population, 18,000. Industries: Textiles, Paper. Junction point on Maine Central R. R.; regular stop for all express trains, Boston to Bangor. Airport with service of Northeast Air Lines. On U. S. Highway 201. Distance: from Portland, 80 miles; from Boston, 200 miles; from New York, 400 miles.

## A LIBERAL ARTS COLLEGE

Colby is an undergraduate college of liberal arts. It confers only the Bachelor of Arts degree, has no graduate courses and no professional schools. Colby is dedicated to the aims of unrestricted inquiry and to the task of seeking the truth wherever it may be found. Because life is more important than a living, the Colby student is subjected to the broad fields of knowledge and inquiry which affect not only his vocational career, but also all phases of his life.

Colby does not, however, ignore the career motive which prompts so many students to attend college. The truth, as sought in the liberal arts, cannot be detached from what men call "practical" and "useful". It is not enough for a college to turn out graduates who know something well; they must also be able to do something well. Hence, within the framework of a liberal arts curriculum, the student may prepare for business, for teaching, for study of medicine, dentistry, law, or engineering, but he may not narrowly so prepare. Every candidate for the Colby degree must meet the same broad requirements, demanding that he shall have taken courses in literature, foreign language, science, and the social sciences. Only in his field of concentration is he given direct opportunity to prepare for intended life work. Even here he finds the study general and basic, and not confined to detailed vocational topics.

### DIVISIONS OF INSTRUCTION

For purposes of administration, the subjects in the Colby curriculum are divided into six divisions. The Division of General Studies contains courses whose content covers the field of more than one department or even of more than one of the other divisions. In the Division of Languages, Literature and Arts are the departments of Bibliography, Classics, English, Fine Arts and Music, and Modern Foreign Languages. The Division of Social Sciences includes Business Administration, Economics and Sociology, Education and Psychology, History and Government, Philosophy and Religion. In the Division of Science are Biology, Chemistry, Geology, Mathematics, and Physics. The Division of Health and Physical Education not only offers courses in that field, but also administers the health service, the intercollegiate athletic program, and intramural sports. The Division of Air Science gives instruction in courses provided by the U. S. Air Force for AFROTC.

### METHODS OF INSTRUCTION

The recitation method, so long used in American college classrooms is no longer the predominant means of instruction. Nor does

its successor, the lecture method, in which the student is a passive listener, prevail. Recitations and lectures are still used, but always accompanied by newer methods.

In large courses at Colby, especially in the social sciences, the entire class frequently meets once or twice a week for lectures, then is broken up into small groups for weekly or more frequent sessions. These group meetings are not recitations, but are free discussions of points raised by lectures or reading. In the sciences, lectures are supplemented not only by laboratory experiments in small sections, but also by weekly discussion sections. In the foreign languages, the classes (though normally not more than twenty-five in size) are still further broken into smaller weekly sections for oral instruction. In the classes in speech, in literature and in foreign languages much use is made of phonograph records, tape recorders, and other modern devices. In all departments use is made of slides, motion pictures, and other visual aids. A feature of several departments is the senior seminar.

### THE STUDENT'S PROGRAM

In each of the four years of his Colby course the student takes five subjects to which is added physical education in the first two years. In order to assume distribution among the several divisions mentioned above, every freshman must take English composition, a foreign language (unless covered by an achievement examination), mathematics or one of the four sciences offered, a social science, and physical education. For the fifth academic subject men must take ROTC; women have an elective.

In sophomore year the requirements are a course in literature, one in foreign language unless that requirement has been previously met, a second science or mathematics, a second social science, and ROTC or an elective. One of the required subjects or the elective must be in the field which, at the end of the freshman year, the student has selected for concentration or major.

As a freshman each student is assigned to an individual adviser for his first year. At the end of that year, some member of the staff in the student's major field becomes his adviser for the remainder of his college course.

Prospective students frequently ask just what subjects they will take, especially in the freshman year. It is true that certain requirements must be met, but the programs of individual freshmen differ according to their future educational plans and their tastes. For instance, if a student intends to prepare for a scientific career or for the study of medicine, he should get started on the necessary scientific requirements in freshman year. On the other hand, the student primarily interested in a non-scientific field has a wide

choice of courses to meet the modest science requirement for graduation. To present any specific pattern of courses for freshman and sophomore years is likely to be misleading. Whenever choice must be made, the student should discuss his individual needs fully with his adviser before making out his program.

In order, however, that the fixed requirements may be emphasized, two general programs (one for men, another for women) are here given for the freshman and sophomore years. To understand more fully why certain items appear in these programs, the reader should consult the Graduation Requirements on page 15.

### FRESHMAN YEAR

#### MEN

English Composition  
ROTC  
Physical Education  
Foreign Language, unless requirement  
already met  
A course in Science or Mathematics  
A course in the Social Sciences

#### WOMEN

English Composition  
Physical Education  
Foreign Language, unless requirement  
already met  
A course in Science or Mathematics  
A course in the Social Sciences  
Elective

### SOPHOMORE YEAR

Survey of Literature  
ROTC  
Physical Education  
Foreign Language, unless requirement  
is met  
A course in Science or Mathematics  
A course in the Social Sciences

Survey of Literature  
Physical Education  
Foreign Language, unless requirement  
is met  
A course in Science or Mathematics  
A course in the Social Sciences  
Elective

In junior and senior years, three-fifths of a student's program may be determined by his major department; the remaining two-fifths must include any graduation requirements not previously fulfilled and electives.

## SUPPLEMENTING THE CURRICULUM

Education at Colby is not limited to the classroom. Visiting lecturers and artists come frequently to the campus. The Averill Lecture series is unique in that it brings noted scholars not merely for one lecture, but for a visit of two or three days, during which they hold informal meetings with faculty and students. The Gabrielson Lectures are given weekly during the second semester by persons prominent in public life, and are closely correlated with courses in government. Other lecturers and artists come under the auspices of the International Relations Club, the department of Fine Arts and Music, and the department of Business Administration.

Musical life at Colby is enriched by the Colby-Community Symphony Orchestra and by the chorus, choirs, and smaller singing



groups. The Colby Eight, a double quartette of male singers, and the Colbyettes, a group of female singers, have won wide renown. The Walcker Organ, gift of Dr. Matthew Mellon, is not only played regularly by the college organist, but also gives opportunity for recitals by organists of national and international repute. The Department of Music has a large collection of records to which students are welcome to listen at any time.

Religion has always played a prominent part in Colby life. Although now independent of formal affiliation with any denomination, Colby is proud of its Baptist heritage. With their insistence on religious liberty and right of private conscience, the Baptist founders of Colby endowed it with Christian principles which still invigorate its program.

By every means consistent with its belief in religious freedom, Colby seeks to develop the religious character of each student. Attendance at services is not required; rather those services are made so attractive that many students voluntarily attend them. In the Lorimer Chapel, either the chaplain or a visiting preacher conducts a weekly Sunday morning service. Four times a week, a brief devotional service is held at noon, led by the chaplain, a faculty member, or a student.

The Interfaith Association and the various denominational groups which comprise it offer many opportunities for participation in religious activities. A notable event of the year is Religious Emphasis Week, when the association brings to the campus prominent religious leaders, who take up residence in the student houses, and conduct informal discussions.

The vitality of religious life at Colby is shown by the fact that every year several graduating seniors enter theological school. The missionary tablet on a wall of the Rose Memorial Chapel testifies to the interest of Colby men and women in foreign missions for more than a hundred years.

Many activities in which students and faculty both participate enrich the campus life. Dramatics, debating, campus publications, student government bodies, and many departmental clubs offer opportunity for varied interests. Because of unusual facilities for winter sports and out-of-door recreation besides organized athletics, an organization of special prominence is the Colby Outing Club.

Greek letter social fraternities began their existence at Colby more than a hundred years ago. The College recognizes the fraternity system as a cooperative feature in campus life. Six of the eight fraternities occupy new houses on the campus, built by cooperation of the fraternity alumni and the college. Each house is controlled by a prudential committee, on which both the fraternity and the college are represented. A house mother is resident in each

house. Members of two of the fraternities, whose houses have not yet been built occupy adjoining rooms in dormitories. Colby's eight fraternities, in order of the establishment of their local chapters, are Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Lambda Chi Alpha, Kappa Delta Rho, and Tau Delta Phi.

For the women there are four sororities, but no sorority houses. All resident women are required to live in dormitories. On the third floor of the Women's Union each sorority has its own room for meetings, tastefully decorated with appropriate colors and insignia. The four sororities are Sigma Kappa (founded at Colby), Chi Omega, Delta Delta Delta, and Alpha Delta Pi.

The athletic program includes men's intercollegiate contests in football, basketball, baseball, track, hockey, tennis, golf, and winter sports. For both men and women there is a complete and varied program of intramural sports.

## GUIDANCE

The guidance program for men students is directed by the Dean of Men, for women students by the Dean of Women. Upon arrival at the college, each student is assigned to one of a selected corps of freshman advisers, who helps the student select his academic program and make needed adjustments to college life. The adviser holds frequent conferences with the student throughout the freshman year, and is available at all times to help the student meet problems as they arise.

In addition to his faculty adviser, each freshman is assigned a student adviser carefully selected from the junior and senior classes. Student advisers work both independently and with the faculty advisers and, like the latter, are available to the student throughout the freshman year. Special orientation assemblies for freshman are held during the year by the respective deans.

A special feature of the Colby program is the Orientation Week for freshmen at the beginning of their college career.

When the student selects his field of concentration, his adviser for the remainder of his college enrollment is a member of the department in which the concentration or major is taken. In the case of a pre-professional or a combined major, the adviser is the faculty member who heads the specified program.

A valuable member of the guidance staff is the College Chaplain, who is available for the same sort of advice for which the student would go to his own home pastor. The dormitory counselors for men and the head residents for women, as well as the college physician and nurses, also serve as guidance workers.

Employment placement for graduating seniors is handled by the deans of men and women. They inform students about employment opportunities, arrange for interviews, and keep a personnel file on each student. Career Conferences focus attention on various vocations.

Information concerning graduate work both in the professions and the arts and sciences is available at the office of the Dean of the Faculty, under whose direction the various tests demanded for admission to graduate and professional schools are conducted.

### THE LIBRARY

Because the liberal arts college must be a reading college, the library is the focus of the academic program. At Colby the library building, the Miller Library, is literally at the focal point of the campus. Here are spacious reading rooms, private study carrels, and six tiers of stacks, housing more than 162,000 books and manuscripts, all in charge of a competent and highly trained staff.

The library does not merely supply the materials for reference, required reading, and research papers. It also compiles bibliographies, prepares exhibits, publishes a quarterly journal, and stimulates interest in reading. It receives regularly more than 300 periodicals, including many from foreign countries; it is a selective depository for publications of the U.S. Government; and it is one of a few libraries in the nation designated as a depository for the U. S. Army Map Service.

The Colby Library has achieved international distinction through its special collections. These are housed in the Edwin Arlington Robinson Treasure Room, so named because the Library has been made the custodian of the books, manuscripts, and personal papers of that American poet. Here also is the world's most comprehensive collection of works by and about Thomas Hardy. Other noteworthy collections concern Sarah Orne Jewett, Jacob Abbott, Henry and William James, A. E. Housman, Mathew and Henry Carey, Elijah Parish Lovejoy, James Brendan Connolly, the poetry library of Harold Trowbridge Pulsifer, the library of Thomas Sargeant Perry, and items of local interest.

The Book Arts Collection contains examples from well known private presses and examples of the work of famous book designers and printers.

The Colby Library Associates is an organization of alumni and friends who have particular interest in the library. Membership dues are devoted to the purchase of books and other materials outside the scope of the Library's regular budget. The organization holds regular meetings with programs devoted to topics of interest to book lovers, and it awards annually the Library Associates Book Prize.

**COLLEGE PLANT**

In 1952, Colby College completed its move from a hundred-year-old campus in downtown Waterville to its new 600-acre site two miles west of the city. Here, in entirely new buildings, are housing and dining facilities for all resident students, library, chapel, classrooms, laboratories, student unions, gymnasium, and playing fields.

There are four housing units for women: *Mary Low*, *Louise Coburn*, *Woodman*, and *Foss* halls. The men's dormitories are *West Hall*, divided into three units called *Chaplin*, *Pepper*, and *Robins*; *East Hall*, with three units called *Butler*, *Champlin*, and *Small*, *Averill Hall*, and *Johnson Hall*. There are six fraternity houses, occupied by Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, and Tau Delta Phi.

Two spacious unions offer a variety of facilities. The *Roberts Union* provides recreation rooms, offices for student organizations, dining service for men, rooms for staff and guests, and houses in one wing the College Infirmary. *The Women's Union* includes a gymnasium for women's physical education, with stage for dramatics and lectures, rooms for meetings and recreation, comfortable lounges, and a separate room for the use of each sorority. Each union is in charge of a resident director. Dining service for women is in the women's dormitories.

In addition to facilities provided by *The Miller Library*, *The Lorimer Chapel*, *The Keyes Science Building*, and *The Life Science Building*, there will soon be completed a large classroom building for languages, literatures, and social sciences.

*The President's Home* is fittingly situated as the first building which the visitor encounters as he enters the campus from the city.

*The Gymnasium-Field House* has a seating capacity of 2,400, contains facilities for men's physical education, offices, locker rooms, showers, and remedial rooms. It has one of the largest basketball floors in Northern New England.

*Athletic Areas* include two football fields, two baseball diamonds, fourteen tennis courts, areas for field hockey and archery, spacious playing fields for informal games, and a ski slope with tow. Johnson Pond, a body of water on the campus fed by natural springs, offers an excellent area for winter skating.

*The Maintenance Building* contains the shops and offices of the Department of Buildings and Grounds.

**ADMISSION**

All matters pertaining to admission for both men and women are administered by the Director of Admissions.

Acceptance of candidates for admission is determined by a selective process during which character, health, and personality are considered in conjunction with academic records. The College reserves the right to select for admission those candidates who appear most likely to profit by attendance.

Fifteen units (in which four years of high school English count for only three units) are required:

English	3	History (or Social Studies)	1
Foreign Language	2	Science	1
Algebra	1	Elective	6
Geometry	1		

The quality of a candidate's competence and preparation will be judged by his school record, the recommendations of his principal and teachers, and his scores on certain tests administered by the College Entrance Examination Board.

### College Board Tests

All applicants are required to take the Scholastic Aptitude Test. In individual cases the Director may require one or more of the subject-matter examinations, called achievement tests.

During the academic year 1955-1956, the College Entrance Examination Board will hold a complete series of examinations on each of the following dates:

Saturday, December 3, 1955	Saturday, March 17, 1956
Saturday, January 14, 1956	Saturday, May 19, 1956
Wednesday, August 19, 1956	

On each of the dates listed above, the schedule of tests will be as follows:

8:45 A.M. — Scholastic Aptitude Test  
(Verbal and Mathematical Sections)

1:45 P.M. — Afternoon Tests — Candidates may take not more than three of the following:

Achievement Tests:

English Composition	Latin Reading
General Composition (May only)	Spanish Reading
Social Studies	Biology
French Reading	Chemistry
German Reading	Physics
Greek Reading (March only)	Advanced Mathematics
Italian Reading (March only)	Intermediate Mathematics

Aptitude Test: Spatial Relations

Greek Reading, Italian Reading, and General Composition will be given only to candidates who register in advance specifically for these tests.

The schedule permits a candidate to take the morning Scholastic Aptitude Test and a maximum of three of the afternoon tests (only two afternoon tests if one is the two-hour General Composition Test).

Copies of College Board Tests (Bulletin of Information), obtainable without charge from the College Entrance Examination Board, contain rules regarding applications, fees, and reports; rules for the conduct of the tests; advice to candidates; descriptions of the tests; sample questions and answers; and lists of examination centers.

Candidates should make application by mail to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey. Applicants in the Mountain and Pacific Coast states apply at the western office of the Board, P. O. Box 9896, Los Feliz Station, Los Angeles 27, California.

Application forms will be sent to any teacher or candidate upon request. When ordering the forms candidates must state whether they wish applications for the December, January, March, May, or August tests. Application forms for the December tests will be available early in the fall; those for the January tests will be ready for distribution about November 20; those for the March series, about January 3; forms for the other two series will be available immediately after the preceding series has been held. A copy of the bulletin of information is routinely sent to every candidate requesting an application blank.

Each application submitted for registration must be accompanied by the examination fee. A detailed schedule of fees follows:

Scholastic Aptitude Test and one, two, or three hours of afternoon tests .....	\$12.00
Scholastic Aptitude Test only .....	6.00
One, two, or three hours of afternoon tests only .....	8.00

All applications and fees from within the United States should reach the appropriate office of the Board not later than the dates specified below:

<i>For Tests On</i>	<i>Closing Date for Application</i>
December 3, 1955	November 12
January 14, 1956	December 18
March 17, 1956	February 25
May 19, 1956	April 28
August 8, 1956	July 18

Applications received after these closing dates will be subject to a penalty fee of three dollars in addition to the regular fee, but no application can be accepted, even with the extra fee, later than one week prior to examination date.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates holding tickets of admission to the centers at which they present themselves will be admitted to the tests. Requests for transfer of examination centers cannot be considered unless these reach the appropriate Board office at least one week prior to the date of the examination.

**ADMISSION PROCEDURE**

1. Write to the Director of Admissions for an application form.
2. Fill out the form and carefully return it. No payment is required with the application.
3. The Director of Admissions will instruct applicants as to any tests that may be required.
4. Personal interviews are required of all candidates either at the College or nearer the applicant's home with a Colby representative.
5. The majority of the entering class is not selected until after the College Entrance Examinations in the spring, but a number of candidates are admitted on the basis of winter College Board tests and satisfactory school records.
6. If admitted, an applicant must make the required deposit of \$50 not later than the date agreed upon by certain member colleges of the College Entrance Examination Board. That group of colleges has agreed that no admitted applicant is required to assure the college of his acceptance of admission earlier than a common date fixed annually by those colleges. In 1955 the acceptance date is May 18. In 1956 it will be a date about the same time in May. An applicant may assure his chosen college of his acceptance of admission as much earlier than the May date as he may desire.

**ADMISSION BY TRANSFER**

Admission by transfer from other colleges, including junior colleges, is limited to a few carefully selected students. A student wishing to transfer to Colby from another college should request and file a formal application for admission. After this application has been received, the student will be instructed to proceed as follows:

1. Request the Registrar of his present or previously attended college to send an official transcript of his academic record at that college.
2. Request the Dean of that college to write a letter of personal recommendation.
3. Send to the Director of Admissions at Colby College a catalog of the college which he attended or is attending with the courses taken or in progress clearly marked. Transfer students cannot be accepted for less than two years of residence at Colby.

## GRADUATION REQUIREMENTS

The degree of Bachelor of Arts is the only degree-in-course conferred at Colby College. To qualify for this degree a candidate must meet certain specifications in quantity, quality, distribution and concentration.

### QUANTITY

Twenty year-courses, or their equivalent in semester courses, regardless of the number of credit hours in excess of three for each semester course.

Two years of Physical Education.

### QUALITY

A total of 26 quality points. For each half-course (or semester course) a mark above 89 entitles the student to three quality points, a mark from 80 to 89 to two quality points, and a mark from 70 to 79 to one quality point. No quality points are given for marks below 70.

### DISTRIBUTION

1. English Composition (English 121, 122) in the freshman year.  
Any student whose average in English 121, 122 is passing, but below 70, and whose low mark, in the opinion of the instructor is caused by deficiency in English usage, is required to take a course in corrective English Composition and must pass this course as a requirement for graduation.
2. Literature (English 221, 222) in the sophomore year.
3. One year-course, or two sequence semester courses, in each of two of the following: Biology, Chemistry, Geology (not including Geography), Mathematics, Physics.
4. Three year-courses or equivalent in semester courses, selected from three different subjects in the Division of Social Sciences, or General Studies 121, 122 and two different subjects in the Division of Social Sciences; provided that not more than one of the following courses may be counted toward this requirement. Business Administration 121, 122; General Studies 121, 122; Religion 101, 102; or any other course in the Division of Social Sciences which is open to freshmen.
5. A basic knowledge of one of the ancient or modern foreign languages taught at Colby. This requirement may be met in one of the three following ways:
  - (a) Passing an achievement examination designed to test the student's ability to read the foreign languages proficiently.
  - (b) Successful completion of any year-course numbered above 101, 102 in an ancient or modern foreign language offered at Colby College, beginning in freshman year and pursued in sequence until the requirement is fulfilled.



(c) A transfer student whose work has been in a foreign language other than one taught at Colby will have fulfilled the foreign language requirement provided he has completed at an accredited institution the equivalent of two years of that language at the college level, and provided the marks received are high enough to make the work acceptable toward the Colby degree.

6. *For men students only*: two years of basic AFROTC (Air Science 121, 122; 221, 222).

All candidates for the degree are required to have been resident students at Colby College for at least two years, one of which must have included the senior year.

### CONCENTRATION

Near the end of the freshman year each student must tentatively elect a major, the field of study to which he wishes to devote his chief attention during subsequent college years. The major may be chosen in a single subject, such as English, Chemistry, History, or in one of a few designated combinations. At the end of the sophomore year the student either confirms the tentative major as permanent or elects a different major as his permanent choice.

The respective academic departments specify those courses constituting a major in the department. Prior to selecting a major each student should acquaint himself thoroughly with the requirements of the proposed field. These requirements are stated immediately preceding the description of courses offered in each department.

### GENERAL INFORMATION

Three-fifths of a student's program in junior and senior years may be determined by his major department, but need not consist wholly of courses offered by that department.

Each student is required to maintain a cumulative average of at least 70 in his major. Any student whose cumulative average in courses completed toward the major falls below 70 at the end of the sophomore year or at the end of junior year is not permitted to continue with that major. Such a student may change to another major, provided, however, that at the end of junior year a student can be accepted into a new major only if he has completed, with an average not lower than 70, at least the equivalent of two year-courses which may be applied toward fulfillment of the new major. If, at the end of junior year, a student finds no department in which he can be accepted as a major, he cannot continue in college. If the work of senior year results in the cumulative average in courses completed toward the major falling below 70, the major requirement shall be considered as not fulfilled and the degree shall be withheld.

Each department designates those courses to which the "70" rule applies for a major in that department.

In order to offer a subject major, a department is obligated by faculty regulation to require at least four year-courses or their equivalent in semester courses in a single subject.

### COMBINED MAJORS

At present the only combined majors are those in American Civilization, in History-Government-Economics, and in Philosophy-Religion.

In order to offer a combined major, permitting a student to divide his concentration between two subjects, or among more than two subjects, a department must have each proposed combination approved by vote of the faculty. The following general regulations must be complied with:

1. A combined major in two subjects shall consist of a minimum of three year-courses or their equivalent in semester courses in each of the two subjects.
2. A combined major in three subjects shall consist of a minimum of three year-courses or their equivalent in semester courses in each of two of the subjects, and two year-courses or their equivalent in semester courses in the third subject.
3. A combined major in more than three subjects, built around an approved central theme, shall consist of a minimum of eight year-courses or their equivalent in semester courses, at least three of them being in one subject.

### JUNIOR YEAR ABROAD

Students who desire to study abroad during the junior year, either through the organization operated under the auspices of Sweet Briar College and called "The Junior Year Abroad," or under an independent plan, must arrange all details of the foreign program with the Dean of Men or the Dean of Women. Permission to undertake such a plan requires a previous average of at least 75.

### REGISTRATION

Students must register on assigned days at the beginning of each academic year, and at any other time of original entrance.

Registration consists of preparing and filing with the Recorder certain records in accordance with specific instructions issued at each registration period. For registration later than the date specified for a particular student for any registration period a fine of one dollar

for each day of delay is charged on the student's semester bill, provided, however, that the maximum fine shall not exceed five dollars.

Normally no student will be permitted to register later than the tenth day after the first day of classes. The Recorder may permit registration later than the tenth day only if the Dean of Men or the Dean of Women certifies in writing that exceptional circumstances justify such registration.

Preceding registration for any year a student must secure from the Treasurer's office a receipt for the required tuition fee and any other required advance payments, and to gain permission to register he must present that receipt at the Recorder's office.

The Treasurer is not authorized to permit deferred payment of any fees concerning which the Board of Trustees requires advanced payment before registration. It is important that students shall understand the distinction between payment of fees and registration. These are two distinct procedures administered by two different officers of the College. Each student must complete the financial procedures preliminary to registration, as laid down by the Treasurer, before he can perform the act of registration at the Recorder's office.

### ELECTION OF COURSES

In the spring of each year all students except seniors elect tentatively, with approval of advisers, programs of study for the ensuing year. These elections with approved revisions are confirmed during the fall registration period of the following year. A student's academic program must bear his adviser's approval and be properly filed with the Recorder, since credit will be suspended for work in a course for which a student is not correctly registered. A continuing student registering in the fall without election in the previous spring is fined \$2.00 for failure to make spring election.

With the approval of the adviser, voluntary changes in a student's program may be made during the first eleven calendar days of a semester, the first day of classes being considered the first day of the semester, and a fee of \$1.00 is charged on the semester bill for each such voluntary change. After the eleventh day no students will be permitted voluntarily to change from one course or section to another, but during a semester a student may drop a course and receive a mark of "Dr." provided both his adviser and dean consent. If the adviser and dean agree that a course may be dropped, but it must be considered as having been taken and failed, the mark shall be "40." If a course is dropped without permission the student shall, in addition to receiving a "40" in the course, be placed on probation. A course dropped after receipt of a major mid-semester warning shall necessitate a mark of "40" instead of "Dr" for that course; likewise a course dropped within thirty calendar days before the last class.

With the consent of his adviser a student may elect one, but only one course in excess of the usual five courses, provided his over-all average in all courses taken in the previous semester is at least 70. Under no circumstances is a student permitted to pursue more than six courses in any one semester.

If, on the insistence of his adviser or of the department concerned, a student repeats, as an extra course, any course which he has already passed, he shall not be charged an extra course fee; but such a student shall not be permitted to carry such a course in addition to six courses.

A student who has failed a year-course may not secure credit for it by repeating merely the second semester of the course, even if his tentative mark at the end of the first semester was passing. He must repeat the entire year if he is to get credit for that particular course. By definition a year-course is one which has no finally recorded mark until the end of the year and no credit until the final mark is recorded. The tentative mark, showing the student's progress in a year-course at the end of the first semester, is not a permanent record and carries no credit toward graduation.

### **WITHDRAWAL**

Voluntary withdrawal from the College may be effected officially only by filing with the Recorder a "Notice of Withdrawal," a form which may be obtained from the office of one of the deans. No refund will be paid by the Treasurer until he has received from the Recorder the formal "Notice of Withdrawal" and in computing refund the date on the official withdrawal notice shall be considered the date of withdrawal. A student who withdraws from the college and neglects to effect official withdrawal until later cannot collect refund for the elapsed interval.

### **SPECIAL STUDENTS**

Subject to limitation of enrollment in individual courses and the consent of the instructors thereof, the College permits adult persons to enroll as special students to take not more than three courses. Such persons must present evidence that they are qualified to pursue the intended courses, and they must pay the regular per-course tuition fee. They are not required to pay the Student Activities Fee.

### **AUDITING COURSES**

Colby students are permitted to audit courses for which they are not registered by obtaining consent of the instructor, their adviser and their dean. They are not charged an auditing fee.

Adults who are not students of the College are permitted to audit courses at a fee of \$5.00 each semester for each audited course, provided they obtain the consent of the instructor and of the Dean of the Faculty. Members of the college staff and their families may audit courses without charge.

Permission to audit courses will usually 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.

When entering the course the person must decide whether he is to be an auditor or is to take the course for credit. Under no circumstances can academic credit be given to an auditor, nor can he later convert an audited course into an accredited course merely by paying the regular course fee.

### ACADEMIC STANDING

A student's class standing is determined by the number of half-courses (or semester courses) he has passed. Freshman standing, from none to seven half-courses; sophomore, from eight to seventeen; junior, from eighteen to twenty-seven; senior more than twenty-seven.

At the end of the first half of each semester the faculty issues, through the Recorder's office, mid-semester warnings. A major warning means that a student's standing at that time is below passing; a minor warning that, while passing, is so low as to indicate that final failure of the course is possible.

At the end of each semester, the faculty issues, through the Recorder's office, course marks in percentages of one hundred. There is no fixed method of computing the final mark in each course; the weight given to various factors is left to the discretion of each instructor, except that the final examination must not count for more than half in the total computation.

The first semester mark in a course designated as a year-course is only a tentative mark. For designated year-courses no credit is given until the completion of the full year's work, and there is only one final mark for the entire year, not separate marks for the two semesters as in other courses. A mark below 60, except for courses referred to in the next paragraph, means that a course has been failed and that credit hours thus lost must be made up by an additional course in a subsequent term. If the failed course is specifically required for graduation, it must be repeated.

A mark between 55 and 59, inclusive, formerly called a mark of "E", applies only to specifically designated first semester courses.

Unless, in the course description in this catalog, a course is specifically labeled as an "E" course, a mark below 60 in the first semester means definite and final failure. In a properly designated "E" course a mark between 55 and 59 signifies temporary failure, which may be made up by improved work in the second semester. The passing of the second semester in such a sequentially related course entitles the student to a change of the first semester temporary failure to a mark determined by the department concerned.

A mark of "ABs." indicates that a student has been absent from final examinations. Such a mark must be made up as soon as possible after the beginning of the following term, and before the close of such term. After the expiration of one term a mark of "Abs." is changed to 40.

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

A mark of "Dr." indicates that the course has been dropped with permission, and was passing when dropped.

A mark of "Inc." indicates that a course has not been finished for some other reason than failure to take the final examination when scheduled. For the latter the mark of "Abs." is used, as explained above. The uncompleted work must be made up within limits prescribed by the instructor; otherwise the mark will be changed to 40. In any event, after the expiration of one term, any remaining mark of "Inc." will be changed to 40.

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

Whenever a student's academic record shows serious deficiency, the question of a student's retention or dismissal is decided by the Committee on Standing, in which the faculty has vested complete power to deal with such cases.

## HONORS

The degree of Bachelor of Arts with Distinction is awarded in three grades: *cum laude* to those who attain an average mark between 88 and 92 per cent throughout their college course; *magna cum laude* to those whose average mark is between 92 and 95; and *summa cum laude* to those whose average mark is 95 or above.

In American colleges it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This nationally famous society, founded in 1776, restricts its chapters to leading colleges and universities, and it maintains very high scholastic standards. The Beta Chapter of Maine was organized in 1895.

Election to membership is based upon academic record at the end of seven semesters and on recommendations then made by instructors.

A student who has not obtained a cum laude grade but who has done work of marked distinction in one department may, upon recommendation of that department and by vote of the faculty, be mentioned on the Commencement Program for honors in that particular subject.

An important annual event of the late spring is Recognition Assembly, when a general assembly with a prominent guest speaker is held for the purpose of recognizing those students who, during the year, have earned honors. Among those recognized are the following: newly elected members of Phi Beta Kappa; winners of College Prizes; recipient of the Condon Medal; newly elected members of Blue Key and Cap and Gown, the honor societies for Senior men and Senior women respectively; recipients of certificates from Phi Beta Kappa, awarded to members of the three lower classes for distinction in scholarship.

At the end of junior year, in response to applications from outstanding members of the class, a faculty committee selects a limited number of Senior Scholars. These students, under the guidance of a faculty member, usually in their major field, devote to an approved project the equivalent of a number of courses from which they are excused. The project culminates in the production of an extensive thesis.

### PARTIAL CREDITS

The faculty has voted that students called into military service before the end of a semester shall receive partial credit as follows:

1. Withdrawal before the end of the fifth week of the semester, no credit.
2. Withdrawal between the end of the fifth week and the official date of mid-semester, credit of one semester course, provided the student is passing in five courses; otherwise no credit.
3. Withdrawal between mid-semester and the end of the fourth week preceding the last day of classes, two semester courses if the student is passing in five courses; one semester course if passing in four courses only; otherwise no credit.
4. Withdrawal between the end of the fourth week preceding the last day of classes and the last day of classes itself, three semester courses if the student is passing in five courses; two semester courses if passing in four courses only; one semester course if passing in three courses only; otherwise no credit.

5. All such partial credit is "blanket," not allotted to any particular course. Partial credit, under the regulations listed above, is limited solely to students called and actually inducted into the Armed Services of the United States.

### EXAMINATIONS

At the close of each semester a period of ten days is set aside for a schedule of three-hour examinations in all courses except those which the Committee on Examinations has specifically exempted. The exact proportion given to the examination mark in computing the course mark is left to the decision of each instructor, except that the mark for the semester examination may constitute not more than half of the total.

No student may be excused from any semester examination except for illness or emergency so grave as to justify excuse, in judgment of the Dean of Men or Dean of Women. A student thus excused may be examined at a later date convenient to the instructor, but under no circumstances is a student permitted to take a semester examination earlier than the date on which it is scheduled. The schedule of semester examinations, both as to time and place, is fixed by the Director of Schedule.

With the consent of the Dean of Men or the Dean of Women, a student may, for unusual reason, accept in lieu of semester examination, a mark equal to 75 per cent of his average in the course without examination. This procedure is so costly in reduction of final mark that few students request it.

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

Cheating in an examination is a serious offense. The instructor may dismiss the offender from the course with a mark of Zero, or he may refer the case to the Dean of Men or the Dean of Women for more drastic action.

A student is entitled to only one semester examination in any course; failed examinations cannot be repeated.

### COMPREHENSIVE EXAMINATION IN MAJOR

Beginning with the Class of 1957, on the eighth day after the close of the spring recess, each senior is required to take a comprehensive examination in his major field. The examination time includes at least six hours, part of which may be oral, at the discretion of the department concerned. The objective is the integration and corre-



lation of study in the major field and its relation to other disciplines. The examination is not marked numerically, but is graded "honors," "Pass," or "Fail." Appropriate recognition at Commencement is given to students who receive "Honors." Students failing the examination are entitled to a second examination before Commencement, but if the second examination is failed, the student is not entitled to another attempt to meet the requirement until the following academic year. The examination must be passed before the degree can be conferred.

#### GRADUATE EXAMINATIONS

It is becoming increasingly common for graduate and professional schools to require formal, objective examinations for admission. Hence a center has been established at Colby College for administering the Graduate Record Examination, the Medical College Admissions Test, the Law School Admissions Test and the Graduate Business School Test. These tests are administered by the Dean of the Faculty, at whose office interested students may secure complete information about them.

#### SELECTIVE SERVICE EXAMINATIONS

Used by the Selective Service System in partial determination of a registrant's permission to continue in college, these are administered at the College on dates fixed by Selective Service.

#### READING PERIOD

Near the end of each semester, there is a Reading Period in all courses numbered in the 300s and 400s. In the first semester the period extends from the re-opening of college after the Christmas recess until the beginning of the midyear examinations. In the second semester it extends for approximately two weeks preceding the final examinations.

The Reading Period does not apply to courses numbered in the 100s and 200s, but only to the 300 and 400 courses. The period is not for review work or "make-up", but rather to free the student from routine class meetings in order that he may devote full time to independent study of freshly assigned reading or laboratory work. Assignments for the reading period are in addition to ordinary assignments in the course. The Reading Period assignments will be tested in the semester examinations, to a maximum of one-third of the examination time.

During the Reading Period the classes affected do not meet. The instructors are, however, available for consultation, through daily office hours, or in library or laboratory.

Any department wishing to have a particular 300 or 400 course exempted from the Reading Period and have its class meetings continue through that period will make application for such exemption to the Faculty Committee on Examination, which has authority to grant or refuse the request.

### BOOK OF THE YEAR

A unique feature at Colby is the *Book of the Year*. Each spring a committee of faculty and students selects some outstanding book for all to read. So far as possible, this book is integrated into every college department.

In 1954-55 the Book was Schweitzer's *Out of My Life and Thought*.

### AIR FORCE RESERVE OFFICERS' TRAINING CORPS

#### GENERAL

In July 1951 the United States Air Force, at the request of the College, activated an AFROTC unit at Colby. The Department of Air Science, staffed by Air Force officers and airmen, conducts the instruction prescribed by the Air Force and operates the ROTC program.

This program is designed to provide the student with a balanced course of officer training, both theoretical and practical, which in conjunction with his academic curriculum will provide him with the background necessary to become a commissioned officer in the US Air Force.

The two Basic Air Science courses are a graduation requirement for male students. These constitute a complete air-age citizenship course and provide a base from which selections for the voluntary Advanced phase can be made.

Satisfactory completion of the graduation requirements and the four Air Science courses qualifies the student for a commission in the USAF or a certificate of completion, depending upon the number of AFROTC graduates the Air Force can use under current manpower ceilings.

Distinctive Air Force Blue uniforms, ROTC insignia and textbooks are loaned to students enrolled in the program. A deposit of \$15.00 is made with the Treasurer upon registration to cover loss of, or damage to, this property. Students are permitted to authorize a deduction from this deposit to pay for their participation in the annual Military Ball and other cadet activities.

Students who take these courses are not members of the Air Force, but civilians in the AFROTC corps of cadets.

## PROGRAM OF INSTRUCTION

Full academic credit is given for each of the AFROTC courses, called Air Science courses. The program is divided into two phases, Basic and Advanced.

The Basic phase consists of Air Science 121, 122 taken during freshman year and Air Science 221, 222 taken during sophomore year. Three classroom hours and one field laboratory hour per week are scheduled for each course. (See Curriculum Section for course content outline). The basic courses, or their equivalent, are a prerequisite for the Advanced phase.

This phase consists of two generalized courses, Air Science 321, 322 taken during junior year, and Air Science 421, 422 in senior year. These courses have four classroom hours and one field laboratory hour per week.

Advanced course students must attend a four to six weeks summer camp between junior and senior years. During this period they are paid approximately \$75 per month, plus travel, quarters, food, uniforms and medical care.

During the advanced phase, cadets receive approximately \$27.00 per month and are issued an individually tailored Air Force officer's uniform worth \$100.00. This uniform is given to the student upon satisfactory completion of the AFROTC and college requirements.

## DEFERMENTS FROM SELECTIVE SERVICE

A large percentage (50% in 1954-55) of Air Science 121, 122 students are eligible for deferment from active military service, providing: (1) they are selected by a deferment board, (2) they indicate their intentions of completing the four-year course, (3) they sign a deferment agreement. This agreement is to: (1) accept a commission upon completion of the requirements, (2) serve in active commissioned status for three years following graduation, (3) keep a reserve commission until the eighth anniversary of their date of commission. Once awarded, a deferment is continuous as long as the student is in good standing in the AFROTC and his other college courses. Academic failure and/or certain other conditions will result in deferment cancellation.

## ENROLLMENT IN THE BASIC COURSES

Male students accepted for enrollment at Colby will be sent an application form for AFROTC. This should be returned at once so that uniforms, etc., can be ordered. A physical examination form, to be filled out by the family physician, will also be sent and should be returned as soon as possible. Applicants who have reached their 23rd birthday will be ineligible for the basic course.

### ENROLLMENT IN THE ADVANCED COURSES

Students who have successfully completed the Basic courses or their equivalent may apply for the Advanced courses. If acceptable to the President of the College and the Professor of Air Science they may be enrolled upon signing a contract agreeing to: (1) complete the advanced courses, (2) attend the summer camp.

Completion of the advanced courses, once the contract is signed, is a prerequisite for graduation from the College unless the student is discharged from the AFROTC for sufficient reasons. Students may not have reached their 25th birthday at the beginning of this phase.

### EXEMPTIONS FROM THE ROTC REQUIREMENT

Veterans may be exempt from the ROTC requirement by the Dean of Men, on an individual basis. Veterans who desire to take the Advanced Course must enroll in the Basic Course.

Active members of reserve components of the Armed Forces may also be exempt by the Dean of Men. Failure to remain "active" during the freshman and sophomore years will necessitate enrollment in the Basic Course.

### VETERANS

Colby College is fully approved by Veterans Administration to supply education and training under government benefits allotted to veterans by virtue of several federal laws. The Dean of the Faculty is Coordinator of Veterans' Affairs, and all inquiries about registration under veterans' benefits should be addressed to him. Each veteran must submit a certificate of eligibility issued by Veterans Administration.

### FINANCES

The charges tabulated below constitute a student's major items of expenses for one semester. In addition there are the various expenses of a personal nature and the Student Activities Fee.

#### SEMESTER CHARGES

<i>Item</i>	<i>Amount</i>	<i>Payable</i>
Tuition, 5-course program	\$350.00	\$50. before August 1, balance before registration
General Fee	25.00	Semester Bill*—1st semester only
Room, dormitory	110.00	Semester Bill*
Board, College dining hall	200.00	\$50 before registration, balance on Semester Bill*
	\$685.00	

\* The Semester Bill is issued four to five weeks after registration and is due approximately two weeks after date of issue.

**ADVANCE PAYMENTS**

No formal bills are issued for the following items:

**ADMISSION**

Non-refundable deposit of \$50 due on or before acceptance date. (See page —.) This deposit is later credited toward tuition due prior to registration.

**TUITION DEPOSIT**

Non-refundable deposit of \$50 required of all upperclass students on or before August first each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For new students the \$50 admission deposit covers this item.

**BOARD DEPOSIT**

Students boarding in College dining halls must make an advance payment of \$50 prior to registration for each semester.

**ROOM DEPOSIT**

All upperclass students must, in order to reserve a room for the following college year, make a \$10 deposit on or before May first. This deposit is later credited toward room charge on the fall Semester Bill. This deposit will be refunded if the request for a room reservation is withdrawn before August first.

**TUITION**

The tuition charge is \$350 per semester for a five course program. The semester per course charge is \$70. Tuition must be paid in full prior to registration for each semester.

**ROTC DEPOSIT**

Deposit of \$15 required of all men students enrolled in the Air Force ROTC. This deposit is due in advance of registration and is refundable at the end of each year upon surrender of all ROTC equipment.

**SEMESTER BILL**

Charges for items not due in advance of registration are included on a Semester Bill issued shortly after the opening of each term. This bill becomes due approximately two weeks from date of issue. Included are charges for room, board (if at a college dining hall), general fee, extra courses, student activities, and such miscellaneous items as the chemistry breakage deposit and the charge

for the use of electrical appliances. Deduction is made for any prepayments on items charged.

### **BOARD**

Board in college dining halls is charged at the rate of \$200 per semester. Dining halls are maintained in Roberts Union and in the Women's dormitories. 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 for an entire semester and may not discontinue boarding prior to the end of the term.

### **ROOM**

Room in college dormitories is charged at the rate of \$110 per semester. All students are required to live in college housing facilities unless excused by the Dean of Men or the Dean of Women. Excuses may be granted only for students living at home or working in families for their rooms under arrangements specifically approved by the respective deans. Dormitory reservations for men students are made at the office of the Dean of Men. Women's housing is in charge of the Director of Residence for Women, but reservations for new students in the Women's Division may be made directly at the office of the Dean of Women.

### **GENERAL FEE**

A non-refundable general fee of \$25 per year is charged on the first semester bill. Students in attendance for the second semester only will be charged a \$25 general fee on the second bill.

### **ACTIVITIES FEE**

At the request of the students themselves a Student Activities Fee is collected annually for financing various student activities. This fee is charged on the first semester bill except for students in attendance for the second semester only who are charged a proportionate fee on the second semester bill. This fee is compulsory with no items deductible. The student organizations supported and the amount of the fee may vary from year to year. The fee for 1955-56 will be \$17.50 for men and \$19.00 for women, allocated as follows: Colby Echo \$3.50; Colby Oracle \$6.00; Class Dues \$1.25; Inter-Faith Association \$1.75; Music \$4.25; Student Government \$.75; and for women, Student League \$1.50.

### **HEALTH SERVICE**

Free service in the College Infirmary is restricted to a total of two weeks in any college year. Students are charged at the rate of

\$2.50 per day for infirmary care beyond the two week free period. Infirmary meals are charged at the rate of \$2. per day for non-boarding students. There is no additional charge for infirmary meals for students regularly boarding at the College.

The health services are described in detail on page 27 and also in the Colby Gray Book.

### MISCELLANEOUS

The fee for extra courses beyond the normal load of five courses is \$70 per semester course.

In chemistry courses, students are required to pay for all apparatus broken or lost. A chemistry breakage deposit of \$5 per course is charged on the first semester bill and any unused balance is refunded at the end of the year.

For the use of electrical facilities beyond those installed in dormitory rooms extra charges are made in accordance with rates established by the Superintendent of the Buildings.

All men students living in college dormitories must pay a \$10 dormitory deposit which will be 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 prorated basis at the end of the year.

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

### PAYMENT OF BILLS

Regulations affecting the payment of college bills are established by the Board of Trustees and the College Treasurer is charged with the duty of enforcing these regulations impartially. Unless payment is made in accordance with the Treasurer's specific understanding with the student, the regulations require that the student be excluded from classes until payment is made and that a \$2 fine be imposed for failure to arrange with the Treasurer, prior to the due date, for a satisfactory plan of payment. Students excluded from classes under this rule for longer than ten class days will be suspended from college for the remainder of the semester.

Concerning college bills, students and parents must deal directly with the College Treasurer, as no other officer of the College has authority over their collection.

Tuition and board deposit must be paid in full before a student is permitted to register or attend classes. No formal bill is issued for these items. This catalog statement constitutes notice that they must be paid in advance. The College Treasurer cannot permit deferred payment of tuition or board deposit. However, at his discretion, the Treasurer may grant partial extension for a brief period on the Semester Bill.

### 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 of tuition and room rent is made according to the following schedule:

During first two weeks of classes .....	50% refunded
During third or fourth weeks of classes .....	25% refunded
After four weeks .....	no refund

Refund of the payment made for board to a student who withdraws either voluntarily or involuntarily, will be made at the rate of \$9 per week for the incomplete portion of the semester.

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

### FINANCIAL AID

Colby College has traditionally taken pride in the number of its students with limited financial resources who have been assisted in receiving a college education. Not a few of the most distinguished alumni of this college received scholarship aid and worked their way through the four years. Colby annually distributes financial aid in excess of \$100,000 in the form of scholarships, Woodman grants and college employment. The amount given in the first two categories represents the cash income from invested funds given for this purpose by generous individuals and organizations, throughout Colby's long history. Recipients, therefore, are definitely under a moral obligation to fulfill the expectations of these unseen benefactors.

A student needing financial help should write to the Director of admissions asking for a copy of the bulletin entitled *Information on Financial Aid*. This bulletin explains all our different forms of aid and outlines the procedure to be followed by the applicant.



Employment in the College consists of work in the library, in several academic departments and administrative offices, in dining room and kitchen service, in bookstore, student unions, maintenance, and other assignments. Prospective students applying for financial aid who are willing to accept employment may so designate on the financial aid application form.

Pre-matriculation aid (that is, aid awarded in advance of a student's entrance and applicable to the expenses of freshman year) is applied for at Colby through the College Scholarship Service of the College Entrance Examination Board. The applicant inquiring from the Colby Director of Admissions about scholarship or other financial aid is supplied with a form, to be filled out and sent, not to the college, but to the College Scholarship Service at Princeton, N. J., which gathers such information for more than one hundred colleges subscribing to the service. On this single form the student may thus apply for aid to several different colleges. Upon receiving information on all applying cases from the College Scholarship Service, the Colby Committee on Financial Aid will proceed to make its awards. Every applicant for Colby aid will be notified as early as possible whether he or she can be granted aid and of what kind and amount.

### REGULATIONS

The rules respecting student residence, organizations, social activities and intercollegiate athletics are published in the Colby Gray Book and Women's Handbook. All students are held responsible for knowledge of those regulations as well as for those which are published in the following paragraphs and in other sections of the catalog.

The Administration of the College is concerned fully as much with the social habits and character of the students as with academic standing. Students who are persistently negligent in their academic and social obligations, or who consistently violate regulations of the college or community, may be required to terminate their attendance. The College reserves the right to dismiss any student whose presence its officers believe to be detrimental to the general welfare, and such dismissal may be effected without the preferment of specific charges.

### ATTENDANCE

1. Students are expected to be regular in attendance at all classes, and absence is regarded as an unfulfilled obligation. Each student is, however, allowed at least two unexcused absences from each course in any semester. The maximum number allowed, if beyond two, is determined for each course by the individual instructor.

2. Excuses for absence including infirmary excuses, must be made to and secured from the Dean of Men or the Dean of Women. Individual instructors are not permitted to excuse students from classes.

The Dean of Men or the Dean of Women may grant excuses only for the following reasons:

- (a) Critical emergencies.
- (b) Athletic or other organizational trips.
- (c) Illness certified by the college physician or his authorized representative.

Medical excuses will be issued only to students who fall within one of three classifications:

- (1) Those confined to the college infirmary or hospital because of illness or surgery.
- (2) Those students treated by the medical staff at the dispensary, infirmary, or hospital.
- (3) Those students visited by the college physician in dormitory or other place of residence.

Medical excuses will not be granted on a retroactive basis unless one of the three classifications is satisfied.

3. Each instructor shall explain at the first meeting of every semester what constitutes unsatisfactory attendance in that class, and shall record at the offices of the Deans of Men and Women how many cuts are allowed in each of his courses.
4. Any student whose attendance is unsatisfactory shall be warned by the Dean. Upon receipt of a second attendance warning in one course in one semester, the student shall be dropped from that course with no credit and with a mark of F. No warning shall be issued unless the excessive absence is reported to the dean within 72 hours of its occurrence.
5. The dean shall not issue more than one warning in any one course to the same student for absence in any seven-day period. However, vacation warnings shall be issued regardless of the interval of time since any previous warning.
6. Any student absent without excuse from the last meeting of any class before a vacation or the first meeting of any class after a vacation shall receive a vacation warning for each such class absence. If any such warning shall constitute a second vacation warning in any course, the student shall be dropped from that course with no credit and with a mark of F. The word *vacation* is interpreted to mean the Thanksgiving recess, the Christmas

recess, the spring recess, and the period between the last classes of the first semester and the first classes of the second semester, but not single holidays. Each vacation cut shall count as one of the minimum cuts allowed, and a vacation warning shall constitute also an attendance warning if allowed cuts have all been taken before the vacation absence occurs.

7. All members of the senior class and those members of other classes who are on the Dean's List shall be entitled to unlimited absences in academic subjects, but such absences shall not include announced tests nor exempt the student from the provisions of Section 6 governing vacation absences.
8. More restrictive attendance requirements for students who are on probation, or who have received a major or a minor warning, shall be at the discretion of each instructor.
9. Absences caused by exclusion from classes because of non-payment of college bills shall be treated in the same manner as all other absences, except that the appropriate dean shall have authority to excuse absences caused by such exclusion when he is convinced that no fault lies with the student.
10. No student on academic probation shall be excused from any class because of extra-curricular or athletic activities.
11. Christmas season employment excuses shall be granted only to upperclassmen who show financial need and who had at least a C average in the previous semester. No such excuses will be granted for a period to begin earlier than the Monday preceding the closing of college for the Christmas recess. No excuses for Christmas employment will be granted to freshmen.

Before matriculation, each newly enrolled student must present a satisfactory health certificate signed by a physician. Regular forms for this purpose are submitted to the student prior to his arrival on the campus. It is desirable that all remediable defects be corrected before the student enters college.

Students may be requested to have a thorough physical examination once a year or whenever considered necessary by the College Physician. The College Physician will advise each student with physical limitations or disabilities as to the proper program for his particular case.

The College maintains a 35 bed infirmary in the Roberts Union under the direction of the College Physician, and staffed by registered nurses. A consulting staff of surgeons, internists and specialists of the Thayer Hospital are available to the College Physician in cases of serious illness.

The College Physician and his staff hold consulting hours (Daily Sick Call) at the Student Health Dispensary located in Roberts Union. Students are entitled to as many visits to the daily sick call as may be necessary, the use of the college infirmary in accordance with the established regulations, and all necessary attendance by the College Physician and the infirmary nursing staff. It is important that students and parents understand that the college health service does not entitle a student to services of a surgeon or specialist, such laboratory procedures as X-Rays, blood counts, prescription medication, refractions, glasses, dentistry, or other special diagnostic techniques.

The College limits its responsibility to illnesses occurring only while college is in session. Students or their parents are free to select consultants, surgeons or hospitals of their own choice, but in such cases the fees of the physicians, surgeons, nurses, hospitalization, and incidental fees are not the responsibility of the College Health Service.

### **LIQUOR**

Possession or use of alcoholic beverages is not permitted in the buildings or on the grounds of the College, nor at any social functions of student groups, wherever held.

### **USE OF AUTOMOBILES**

The use of automobiles at the College is not permitted to freshmen. After the completion of freshman year, any student may have the use of an automobile at the college, subject to the following restrictions:

- (1) Permission of parents unless the student is of legal age.
- (2) Registration of the automobile at the college office of the Superintendent of Buildings and Grounds.
- (3) Proof that liability insurance is carried.
- (4) Observance of the motor vehicle regulations of the College as well as those of the State of Maine.

### **MARRIED STUDENTS**

The college accepts married students under conditions which each such student must arrange with the Dean of Men or the Dean of Women. Any student who plans to be married during his or her college course must obtain permission of the Dean of Men or the Dean of Women.

## COLBY COLLEGE SUMMER SCHOOL OF LANGUAGES

The School was opened in 1948 as the Colby-Swarthmore Summer School of Languages. During the first five years of its operation it was sponsored by Colby College at Waterville, Maine, and Swarthmore College at Swarthmore, Pennsylvania. For practical reasons Colby College, in 1952, assumed full responsibility for the School, but the general policies and standards already established by the two colleges are maintained as in the past. The School recognizes the increasing need in our country for more men and women with a sound knowledge of foreign languages. It has faith that linguistically trained citizens can help to further international understanding and good will among nations. The School is organized especially for the training of the capable and ambitious young man or woman who is looking forward to graduate or foreign study, positions or travel in foreign lands, translation work, foreign language teaching, or government service.

The eighth session of the School opens on Colby's Mayflower Hill campus on June 28 and closes on August 15, 1955. The ninth session is expected to be held between corresponding dates in the summer of 1956. Courses are offered at the elementary, intermediate, and advanced levels in French, German, Russian, and Spanish. Also offered are Period Courses in French Literature, a reading course in German for advanced degrees, and a course in Scientific German.

All courses are of the intensive type, covering in seven weeks one full year's work at the college level, with no less than one hundred and five hours of classroom instruction, and with a credit of six semester hours. The faculty, drawn from many colleges, is composed of native or bilingual instructors who have had wide experience and interest in teaching American students. They are chosen not only for their scholarly attainments but for their personalities and their ability to teach and handle students informally.

At this School the student will find an atmosphere that is particularly conducive to rapid progress in learning a foreign language. The School insists upon the exclusive use of the foreign language outside the classroom in so far as circumstances and previous training permit. The use of the spoken language is encouraged by grouping the students in the dormitories, according to the language they study. Teachers live in the dormitories, conduct the language tables in the dining halls, and participate in leisure-time activities such as sports, group singing, folk dancing, and various excursions. Special stress is laid upon this close association of instructor and student because these friendly contacts outside as well as in the classroom develop a feeling of genuine comradeship, which makes the student's use of the foreign language natural and spontaneous. Instruction is given in small classes so that each student can parti-

cipate constantly in the classroom exercises and can receive frequent and individual attention. Mechanical aids, such as records which are prepared by instructors for individual classes, phonographs, and recorders, supplement special classroom techniques and individual conferences. Through this carefully integrated program of personalized teaching and planned recreation the student is offered a unique opportunity for the acquisition of a foreign language.

Between high school graduation in June and college matriculation in September, a high school graduate can earn a year of language credit toward the Colby degree.

All correspondence concerning the School should be addressed to Professor John F. McCoy, Director, Colby College Summer School of Languages, Waterville, Maine.

### ADULT EDUCATION AND EXTENSION

The Board of Trustees, in the fall of 1954, officially created the Division of Adult Education and Extension. The two main reasons for this decision by the Trustees were the demonstrated success of the ever expanding summer program over the past few years and a sincere desire on the part of the College officials to provide opportunity for self-improvement to the adult population of Waterville and neighboring communities.

Colby's first venture in Adult Education and Extension is recorded in the College Catalog for 1924-25: "After 104 years spent in the education of young men and women, the college indicates its readiness to extend its activities further by the inauguration of College Extension Courses designed to meet the requirements of the following classes of persons:" With only an occasional lapse of a year or two, extension courses were offered until 1943.

In the summer of 1945, like a new phase of Colby's Adult Education program was inaugurated. Firm in his belief that the wonderful facilities of the beautiful new Colby campus should not remain idle for three months of each year, Dr. Frederick T. Hill, a trustee of the college, proceeded to bring into reality his vision of a Colby serving the people for twelve months of the year. He conceived the idea of bringing to Mayflower Hill the First Annual Institute For Hospital Administrators, and this first Institute has ever since been an integral part of the expanding program.

The Colby-Swarthmore Summer School of Languages was organized in 1948 as a joint venture of the two colleges. In 1952, Colby assumed full responsibility for this activity.

In 1953, Professor Ralph S. Williams was appointed Director of Adult Education, and under his direction, the summer activities

expanded to such a degree that the Board of Trustees felt justified in creating a new Division of the College and appointing a full-time Director. The summer of 1954 saw approximately 1,000 people participating in the nine different programs: Dirigo Girls State, Colby Summer School of Languages, Lancaster Courses in Ophthalmology, Audiology for Industry, Audiometric Testing Procedures, Tax Institute, Tenth Annual Institute for Hospital Administrators, Institute for Medical Record Librarians, Maine Public Health Nurses Conference.

Another activity is the Colby-sponsored Institute for Maine Industry, now in its fourth year. Held in late March, it brings to the campus nearly 200 of the top industrial leaders of Maine.

Beginning with the second semester of the College year of 1954-55, the offering of evening courses to the adult population of this area was resumed. The six courses were presented as forerunners of an expanded and comprehensive program, offering to adults of the Kennebec Valley some of the educational opportunities heretofore available only in the metropolitan areas serviced by the large universities.

Recognizing the fact that in every community there is a wide diversification of educational interests, and believing that education should be a continuous process throughout one's life, Colby recognizes its obligations to the people it is in a position to serve, and has set for itself certain objectives. Through this new Division of Adult Education and Extension, the College plans to provide learning for occupational improvement, for participation in civic affairs; for leisure-time pursuits; and for scholastic achievement. We are particularly desirous of providing for the worker the opportunity to learn as he earns.

## COLLEGE PRIZES

### GENERAL

*American Association of University Women's Membership Award.* The State of Maine Division of the A.A.U.W. awards a national membership in the Association for one year to a senior girl of outstanding scholarship, citizenship, and campus leadership.

In 1954 the award was made to Mary Louise Belden, '54

*Condon Medal.* The gift of the late Randall J. Condon, of the class of 1886, awarded to the member of the Senior class who, by vote of his classmates and with the approval of the Faculty, is deemed to have been the best college citizen.

In 1954 the medal was awarded to Charles Freeman Sleeper, '54

*Delta Delta Delta Scholarship Award.* Given annually by the sorority for scholastic ability and school participation to a well-deserving girl at Colby.

In 1954 equal awards were made to Alexandra Adams Johnson, '57 and Elizabeth Pollard Harris, '55

*Adelaide True Ellery Scholarship.* Given in memory of Adelaide True Ellery, graduate of Colby in the class of 1890; granted to a woman student at Colby College for her junior and senior years; the recipient to be selected by the President of the College, the College Chaplain, and the Dean of Women, and the scholarship given in recognition of outstanding religious leadership in the life of the college.

In 1954 the winner was Susan Squire Johnson, '54

*Lelia M. Forster Prizes.* From the income of the Lelia M. Forster Fund awards are made annually "to the young man and the young woman of the preceding entering class who have shown the character and ideals the most likely to benefit society."

In 1954 the prize for the Men's Division was awarded to Charles Booth Twigg, '57; the prize for the Women's Division was awarded to Eleanor Ruth Duckworth, '57

*Student Government Association Scholarships.* The Student Scholarship Fund is collected by the students through Campus Chest and administered by the Student Scholarship Committee. Awards are made to deserving students who in the opinion of the student committee have shown themselves worthy of scholarship assistance

In 1954 awards were made to Elizabeth Pollard Harris, '55, Marietta Eva Roberts, '57, and Lionel Edward Mathieu, '57

*Students League Scholarship.* Awarded annually to the Junior girl who best fits these requisites: average scholarship, leadership, participation in extra curricular activities, friendliness—and who has contributed toward her college expenses by her own merits.

In 1954 this scholarship was awarded to Germaine Alice Michaud, '55

*Carrie M. True Award.* Given in memory of Carrie M. True, graduate of Colby in the class of 1895; presented annually to a woman under-graduate at Colby selected by the President, the College Chaplain, and the Dean of Women for pronounced religious leadership and influence in the life of the college.

In 1954 this award was made to Joyce Ruth Kovner, '55



## BUSINESS ADMINISTRATION

*Ernest L. Parsons Prize.* Awarded to a senior in Business Administration who in the opinion of the faculty of this department combines high quality of scholarship, personality and extra-curricular interests.

In 1954 this prize was divided equally between Dorothy Ann Forster, '54, and Aubrey Charles Keef, '54

## CLASSICS

*Foster Memorial Prizes in Classics.* One or more prizes of \$50 each, in memory of the late Professor John B. Foster, are awarded to students from either Division for marked excellence in advanced Greek or Latin courses.

In 1954 the award in Greek, was divided equally between Quentin Lee Peacock, '57, and Barbara Brockway, '56

The award in Latin was made to Kathleen Marilyn Vogt, '56

## ENGLISH

*Mary Low Carver Prize for Poetry.* A prize of \$50 is offered annually to a student in the Women's Division for an original poem of merit in the English language. The limitation to the Women's Division is by the terms of the gift made by the donor of this prize. No limitation is placed upon the form or nature of the poems submitted.

In 1954 the award was made to Nancy Ellen Fortune, '54

*Solomon Gallert English Prize.* A prize of \$20, given by Mrs. Joseph L. B. Mayer in memory of Solomon Gallert of the class of 1888, is awarded yearly for excellence in English.

In 1954 the award was made to Edna Ann Proulx, '57, with a special second award to Doris Erika Lind, '55

*Library Associates' Book Prize.* Under the auspices of the Colby Library Associates, a book prize is annually awarded to the senior who has, during his or her four years in college, assembled the best collection of books. This prize has been partially endowed by the class of 1941.

In 1954 this prize was awarded to Charles Freeman Sleeper, '54

## HISTORY

*Lampert History Prize.* To the senior who is the highest ranking major in the fields of History and Government; a fund is provided for books of the winner's choosing.

In 1954 equal prizes were awarded to Stanley Benson Abrams, '54 and Harold Benjamin Krieger, '54

*William J. Wilkinson History Prize.* Established by Mrs. Wilkinson in memory of her husband William J. Wilkinson, Professor of Modern European History and Government at Colby from 1924 to 1945; awarded annually to the history major in the junior class who in the judgment of the History Department combines the following qualifications: special interest in Modern European History, high average in history and government courses, personal integrity, and ability to reason critically and independently.

In 1954 the award was made to Sue E. Franklin, '55

#### MODERN LANGUAGES

*French Consulate Prize.* Offered by the French Consulate in Boston for excellence in French studies.

In 1954 the prize was awarded to Mary Osgood Cutter, '55

*German Prizes.* A first prize of \$10 and a second prize of \$5 are awarded to members of the Men's Division for excellence in German courses. Similar prizes are awarded in the Women's Division.

In 1954 the first prize for the Women's Division was awarded to Candice Sweet Orcutt, '57, second to Carol Ann York, '54. No award was made in the Men's Division.

*Delta Phi Alpha German Prize.* For scholarship in German language and literature, and for initiative in fostering an interest in the various activities of the German clubs.

In 1954 this was awarded to Laura Sue Neuhaus, '57

#### MUSIC

*Louise Colgan Glee Club Award.* A prize of \$10 is given to the highest ranking senior woman and senior man who have been members of the Glee Club for at least three years.

In 1954 these prizes were awarded to Dorothy Jane Nyman, '54 and Charles Putnam Barns, II, '54.

*Louise Colgan Orchestra Award.* Given by Mrs. Colgan to the sophomore student member of the woodwind section of the Symphony Orchestra who has the highest academic standing in that section.

In 1954 this award was made to Walter Sturtevant Foster, '56.

*Symphony Orchestra Awards.* Two prizes offered by the Colby Community Symphonic Society to members of the Symphony Orchestra.

In 1954 Louise Hatfield McGuinness, '56 received the award for the student in the string section who has shown unusual interest and improvement; and John Warren Hatch, '55 received the award for the student of at least junior standing in the brass section of the Symphony Orchestra who has shown commendable interest and improvement.

#### PUBLIC SPEAKING AND DRAMATICS

*Goodwin Public Speaking Prizes.* Special prizes aggregating \$85, given by the late Mattie E. Goodwin of Skowhegan in memory of her husband, Honorable Forrest Goodwin of the class of 1887, are awarded for excellence in the delivery of original addresses.

In 1954 the first prize was awarded to Joseph Augustus Perham, '55; second to Richard Alexander Magill, '55; third to Bruce Harde Wein, '55; and fourth to Victor Frank Scalise, Jr., '54.

*Hamlin Prizes.* Awarded to freshmen in the Men's Division and Women's Division for excellence in public speaking.

In 1954 awarded to Jon Boyce Adams, '57 and Eleanor Ruth Duckworth, '57

*Julius and Rachel Levine Speaking Prizes.* Special prizes aggregating \$100 given by Lewis Lester Levine of the class of 1916, in memory of his father and mother, are awarded for excellence in extemporaneous speaking.

In 1954 the first prize was awarded to John Maynard Alex, '54; second to Jay Winthrop Smith, '56; third to John Henry Megquier, '54; and fourth to Victor Frank Scalise, Jr., '54

*Montgomery Interscholastic Public Speaking Prizes.* In addition to the prizes offered to students in the college, special prizes, the gift of the late Job H. Montgomery of Camden, Maine, are awarded to youth attending secondary schools in New England for general excellence in declamation in a public contest held at Colby College.

In 1954 the first prize winner was Steven Rivkin, Roxbury Latin School, West Roxbury, Massachusetts; second was Clarence Belleveau, Scarborough High School, Scarborough, Maine; third was Anne Singer, Morse High School, Bath, Maine.

*Murray Debating Prizes.* The sum of \$100 is available each year to the college through a bequest of the late George Edwin Murray of

the class of 1879, for the best arguments presented at a public exhibition.

In 1954 first prize was awarded to John Maynard Alex, '54 and Victor Frank Scalise, Jr., '54. Second prize was awarded to Richard Alexander Magill, '55 and Jay Winthrop Smith, '56.

*Powder and Wig Awards.* Made by Powder and Wig (the dramatics society) for exceptional achievement in dramatic enterprises of Colby College.

In 1954 one award was made to Anthea May Eatough, '55

#### SCIENCES

*Chi Epsilon Mu Prize in Chemistry.* Awarded annually to the highest ranking freshman in Chemistry.

In 1954 no award was made.

#### ECONOMICS AND SOCIOLOGY

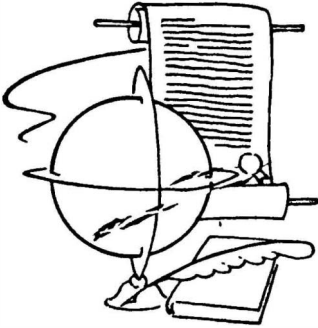
*Chi Omega Prize in Sociology.* Awarded annually to the highest ranking woman in sociology.

In 1954 this prize was awarded to Carolyn Irene Perron, '54

*Albion Woodbury Small Prizes.* Prizes totaling \$100, derived from a fund given by Lina Small Harris of Chicago in memory of her father, Albion Woodbury Small of the class of 1876, former President of Colby and late Professor of Sociology and Dean of the Graduate School of the University of Chicago, are available for students pursuing work in the field of economics and sociology. These prizes will be given to the students in the Men's or Women's Division who present the best essays on some subject to be announced by the Department of Economics and Sociology.

In 1954 the first prize was awarded to Robert Bruce Cross, '54; second to Katherine Davenport, '54; and third to Anne Louise Delameter, '54

# CURRICULUM



GENERAL STUDIES

LANGUAGES, LITERATURES, AND ARTS

SOCIAL SCIENCES

SCIENCES

AIR SCIENCE

HEALTH AND PHYSICAL EDUCATION

# Curriculum 1955-1956

The description of courses in the following pages is classified by divisions, and sub-classified by subjects in the following order:

Division of General Studies

Division of Languages, Literatures, and Arts

Bibliography, Greek, Latin, English, Fine Arts, Music, French, German, Spanish

Division of Social Sciences

Social Science, Business Administration, Economics, Sociology, Education, Psychology, History, Government, Philosophy, Religion

Division of Sciences

Biology, Chemistry, Geology, Mathematics, Physics

Division of Air Science

Air Science and Tactics

Division of Health and Physical Education

Physical Education

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

Unless otherwise restricted any course may be elected by a student with the stated prerequisite.

## NUMBERING SYSTEM

Each course is designated by a number with three digits.

The *first digit* indicates the classes to which a course is open:

- 1 – open to freshmen
- 2 – open to no class below sophomore
- 3 – open to no class below junior
- 4 – designed primarily for seniors

The *second digit* indicates whether the course is a year-course or otherwise:

- 0 – either semester of a year-course

even number (2, 4, 6, or 8) – one of two closely related semester courses

odd number (1, 3, 5, 7, or 9) – an independent semester course

The *third digit* indicates whether a first semester or a second semester course:

odd number – first semester course

even number – second semester course

The letter “d” after a course number indicates that the course is repeated each semester.

The letter “e” after a number indicates an “E” course.

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

Two closely related semester courses (those with an even number as the second digit) are so constructed that the second may not be taken without completion of the first, except by special permission of the department offering the courses. A mark of “E”, at the discretion of a department, may be given for the first of two related semester courses, provided the course is so designated under the course description in the current catalog. A mark of “E” designates a mark from 55 to 59, and indicates that the deficiency may be made up by satisfactory completion of the second of two related courses 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 permanent mark for each semester, whereas a year-course carries only one permanent mark at the end of the year.

[ ] Brackets indicate that the course will not be offered in 1955-56.

\* An asterisk indicates that the course will not be offered in 1956-57.

† A dagger indicates that the course will probably be offered in 1956-57.

Graduation requirements at Colby are no longer in terms of semester hours, but rather in terms of courses and half-courses. In order to make it plain, however, that certain courses carry more than the usual number of semester hours, wherever that term is the unit requirement, those courses are so designated in the course descriptions.

Schedule of hours and rooms, for courses listed in this section of the catalog, is available at the Recorder's office.

On the following pages listing the courses offered in each department, each statement of prerequisite *omits mention of class restriction, because the first digit of the course number gives that information.* Likewise, *e* attached to a number indicates that it is an "E" course.



## DIVISION OF GENERAL STUDIES

*Chairman, DEAN MARRINER*

### 121e, 122 MAN AND HIS WORLD

A study of man in relation to both his physical and his social environment. An introduction to the areas which make man what he is in the modern, civilized world. Lectures by the instructors and by visitors from several departments and from outside the college. Readings and discussion sessions.

Prerequisite: standing not higher than freshman.

*Messrs. Marriner, Gilman and Coffin*

### 221e, 222 HUMANITIES

A synthesis of the arts of communication and ideas (Art, Music, Literature, and Philosophy) historically grounded in post-Roman western civilization, showing the basic unity of purpose of the various arts as well as their unique contributions. Special emphasis is placed on the realization of the aims and ideals of each historical period or epoch, with backward glances at primitive and early western cultures and their influences. The course deals directly with the sources rather than with critical studies about them.

*Mr. Whitlock*

### 301, 302 PROBLEMS IN CREATIVE THINKING

Stimulation of creative thinking through problem solving. The course is operated in five units (biology, mathematics, history, art, and philosophy) each directed by a member of the faculty in the field concerned. The students are encouraged to make hypotheses rather than seek the opinion of authority, and they are encouraged to compare the research methodology in different fields of knowledge and to consider the extent to which aspects of scientific thinking are common to them.

Prerequisite: permission of the instructor.

*Mr. Scott and associates*

### 341, 342. FAUST AND DON JUAN

### [361, 362. HUMANITIES SEMINAR]

## DIVISION OF LANGUAGES, LITERATURES, AND ARTS

*Chairman, PROFESSOR ERMANN0 COMPARETTI*

### BIBLIOGRAPHY

*Professor Humphry and Assistant Professor Libbey*

#### 312. BIBLIOGRAPHICAL MATERIALS AND MAKING OF BOOKS

The sources and methods of library research, with the needs of the prospective graduate student especially considered. The development of alphabets and writing, of manuscripts, printing and libraries.

Prerequisite: junior standing at least; sophomores by permission.

### CLASSICS

*Assistant Professor Bliss*

Major requirements: Classics, three years of Latin above 103, 104, and three years of Greek. Greek, four years in Greek and History 261, 262. Latin, four years of Latin above the level of 103, 104, and either History 261, 262, or Greek 103, 104. For all three majors special work will be required during the junior and senior years, to include a general study of classical philology and intensive work in a single author.

### GREEK

#### 101, 102. ELEMENTARY GREEK

Essentials of Greek grammar; reading of simple Greek stories.

#### 103, 104. INTERMEDIATE GREEK

A reading course in Xenophon's *Memorabilia*, selections from Homer and the lyric poets; review of grammar.

Prerequisite: Greek 101, 102, or its equivalent.

#### 152. GREEK AND LATIN LITERATURE IN TRANSLATION

The literature of ancient Greece and Rome, together with a study of the influence of that literature on the modern world.

## [211. HERODOTUS]

Book Two, with selections from Books Seven and Eight.  
Prerequisite: Greek 103, 104.

## 212. ARISTOTLE

*Nicomachaeon Ethics*, Books One, Two, Six, Ten.  
Prerequisite: Greek 103, 104.

## [213. HELLENISTIC GREEK]

Selections from Polybius and Epicurus; Gospels.  
Prerequisite: Greek 103, 104.

## [214. NEW TESTAMENT GREEK]

Selections from Acts and Epistles; selections from Justin.  
Prerequisite: Greek 103, 104.

## 215. ARISTOPHANES

One play, two if possible, to be chosen by the student.  
Prerequisite: Greek 103, 104.

## [216. SOPHOCLES]

One play, two if possible, to be chosen by the student.  
Prerequisite: Greek 103, 104.

## LATIN

## [101, 102. ELEMENTARY LATIN]

Introduction to Latin by the reading grammar method; emphasis upon the contribution of Latin to English vocabulary.

## 103, 104. VERGIL

Selections from Vergil's *Aeneid*.

Prerequisite: Latin 101, 102 or equivalent. Students offering three or more years of high school Latin will take Latin 105, 106.

## 105, 106. SURVEY OF LATIN POETRY

Selected plays of Plautus and Terence in the first semester; survey of the poets from Naevius to the medieval hymnologists in the second semester.

Prerequisite: Latin 103, 104 or three or more years of high school Latin.

## [211. CICERO AND HIS CONTEMPORARIES]

Selected letters of Cicero, with a study of their political and social background.

Prerequisite: Latin 105, 106 or equivalent.

## [212. HORACE]

The *Odes*, one book of the *Satires*, and selections from the *Epistles*.

Prerequisite: Latin 105, 106 or equivalent.

## [213. TACITUS]

The first four books of the *Annals*.

Prerequisite: Latin 105, 106 or equivalent.

## 214. LUCRETIUS

The *De Rerum Natura*.

Prerequisite: Latin 105, 106 or equivalent.

## [215. PLINY AND JUVENAL]

Selections from Pliny the Younger and from Juvenal.

Prerequisite: Latin 105, 106 or equivalent.

## [216. SUETONIUS AND MARTIAL]

Selections from the *Lives of the Caesars* and from the *Epigrams*; a study of the society of the early Empire.

Prerequisite: Latin 105, 106 or equivalent.

## [217. CATULLUS, TIBULLUS, AND PROPERTIUS]

Selections from these three poets.

Prerequisite: Latin 105, 106 or equivalent.

## [218. CICERO'S PHILOSOPHICAL WORKS]

Cicero's *De Finibus* with selections from the *De Officiis*.

Prerequisite: Latin 105, 106 or equivalent.

## 311. TEACHING OF LATIN

Objectives, content and methods in the teaching of secondary school Latin; critical study of Latin texts used in the schools; exercises in Latin composition.

Prerequisite: Latin 103, 104.

## ENGLISH

*Chairman, PROFESSOR CHAPMAN*

Professors Weber and Chapman; Associate Professors Rollins and Alice Comparetti; Assistant Professors Benbow, Sutherland and Cary; Messrs. Harrier, Kindilien and Witham, Mrs. Lansberry and Instructors.

Requirements for majoring in English are: in the sophomore year, English 223, 224 and History 243e, 244; in the junior year, two full year period courses or their equivalent in semester courses, one year of which must be in periods before 1800; in the senior year, English 411, 412 and one full year period course or its equivalent in semester courses. Those courses classified as period courses are: 311; 312; 314; 316; 317; 318; 321, 322; 343, 344; 351; 352; 413; 421, 422

Requirements for majoring in American Literature are: in the sophomore year, English 221e, 222 and History 321e, 322; in the junior year, English 343, 344 (or 351, 352 — whichever is offered) and one year of English literature in periods before 1800; in the senior year, English 351, 352 (or 343, 344) and English 421, 422.

Attention is also invited to the major in American Civilization.

## 121e, 122. ENGLISH COMPOSITION

Training in clear, accurate, and intelligent use of the English language. Required of all freshmen. An additional (or fourth) hour is required weekly of those freshmen who show need of special help in English.

*Mr. Benbow and Staff*

## 141, 142. GENERAL SPEECH

A general course in speech, with emphasis on processes and practice in platform speaking.

*Mr. Rollins and Mr. Witham*

221e, 222. INTRODUCTION TO LITERATURE  
ENGLISH AND AMERICAN

A general introduction to literature in the English language through a study of selected English and American authors. Required of all sophomores *not* English majors. Sophomore English majors must elect English 223, 224.

Prerequisite: English 121, 122. *Mrs. Comparetti and Staff*

223, 224. THE ROMANTIC REVIVAL

English literature from 1798 to 1832: Coleridge, Wordsworth, Byron, Shelley, Keats, and their prose contemporaries. An introductory course required of sophomores who are beginning a major in English Literature.

Prerequisite: English 121, 122. *Mr. Chapman*

241e, 242. SOPHOMORE COMPOSITION

A course of further practice in writing, *required* of students who pass English 121, 122, without attaining a mark of at least "C."

*Instructor*

261, 262. ADVANCED SPEECH

Preparation and giving of extended speeches. Argument and debate. An attempt will be made to adapt the work to the needs of the students.

Prerequisite: English 141, 142; or its equivalent. *Mr. Rollins*

263, 264. ORAL INTERPRETATION

Principles and practice in reading aloud and interpreting prose and poetry. Stories, drama, oratory, and the like; choral reading. Especially designed for teachers and students with related needs.

Prerequisite: English 141, 142; or its equivalent. *Mr. Rollins*

† [281, 282. A SURVEY OF THEATRE]

Study of Theatre as an Art, and as an interpretation of civilization. In the second semester, study and practice of play production.

Prerequisite: English 121, 122. *Mr. Witham*

311. CHAUCER

A study of *The Canterbury Tales* and *Troilus and Cressida*.

Prerequisite: English 221, 222; or 223, 224. *Mr. Harrier*

‡ [312. THE EARLIER RENAISSANCE]

A study of a few major prose works of the Renaissance such as *Utopia* and *The Prince*, early fiction, and a study of Petrarchan, Platonic, and Ovidian elements in poetry.

Prerequisite: English 221, 222; or 223, 224. *Mr. Harrier*

314. THE LATER ENGLISH RENAISSANCE

A study of the poetry and drama of the later English Renaissance, including Donne, Herbert, Marvell, Herrick, Jonson, Webster, and Ford.

Prerequisite: English 221, 222; or 223, 224. *Mr. Benbow*

316. MILTON

A study of Milton's poetry and prose.

Prerequisite: English 221, 222; or 223, 224. *Mrs. Comparetti*

317. THE AGE OF POPE

A study of selected works of Swift, Pope, Fielding, and other major English authors of the first half of the eighteenth century.

Prerequisite: English 221, 222; or 223, 224. *Mr. Sutherland*

318. FROM JOHNSON TO BLAKE

A study of major works of English literature written between 1750 and 1798. Although this course is a continuation of work begun in English 317, it may be elected independently.

Prerequisite: English 221, 222; or 223, 224. *Mr. Sutherland*

321, 322. FROM BROWNING TO HARDY

English literature of the Victorian period, from 1832 to 1900.

Prerequisite: English 221, 222; or 223, 224. *Mr. Weber*

341, 342. SURVEY OF AMERICAN LITERATURE

Historical survey of American literature from Colonial times to the present. Designed for non-major students interested in the study of our native literature.

(Students may not receive credit for English 341, 342; and 343, 344.)

Prerequisite: English 221, 222; or 223, 224. *Mr. Kindilien*

‡ [343, 344. MAJOR AMERICAN ROMANTICS]

A study of the Golden Age of Romanticism in American Literature. In the first semester representative works of Poe, Emerson, Thoreau; in the second semester Hawthorne, Melville, and Whitman. Offered in alternate years.

(Students may not receive credit for English 341, 342; and 343, 344.)

Prerequisite: English 221, 222; or 223, 224. *Mr. Cary*

\* 351. THREE AMERICAN NOVELISTS

Significant works of Mark Twain, Henry James, and Stephen Crane are read as forerunners of the social, psychological, and naturalistic fiction of the twentieth century. Offered in alternate years.

Prerequisite: English 221, 222; or 223, 224. *Mr. Cary*

\* 352. THREE AMERICAN POETS

Robert Frost, Edwin Arlington Robinson, and Robinson Jeffers are studied as examples of modern trends in American poetry. Offered in alternate years.

Prerequisite: English 221, 222; or 223, 224. *Mr. Cary*

361, 362. THE ENGLISH NOVEL

Historical survey of the novel as a literary type. First semester, the eighteenth century and early nineteenth century novel; second semester, the Victorian and early twentieth century novel. Designed especially for non-majors.

Prerequisite: English 221, 222; or 223, 224. *Mr. Chapman*

371. ENGLISH DRAMA BEFORE 1900

Historical survey of prominent English dramas, from the medieval mystery plays through the comedies of Goldsmith and Sheridan. Primarily for non-majors.

Prerequisite: English 221, 222; or 223, 224. *Mr. Cary*

372. MODERN BRITISH AND AMERICAN DRAMA

Outstanding plays by twentieth century British and American dramatists, with particular attention to Continental influences. Primarily for non-majors.

Prerequisite: English 221, 222; or 223, 224. *Mr. Cary*



## 381, 382. WRITERS' WORKSHOP

A course for juniors and seniors who are eager to do original work and who desire critical analysis and disciplinary guidance of their writing. All forms of composition will be accepted — fiction, poetry, and essays.

Prerequisite: English 221, 222; or 223, 224. *Mr. Harriet*

## 411. SHAKESPEARE'S EARLIER PLAYS

An introduction to the study of Shakespeare with an intensive study of the histories, romantic comedies, and early tragedies.

Prerequisite: English 221, 222; or 223, 224. Required of seniors majoring in English Literature. *Mr. Benbow*

## 412. SHAKESPEARE'S LATER PLAYS

An intensive study of the problem comedies, tragedies, and romances.

Prerequisite: English 221, 222; or 223, 224. Required of seniors majoring in English Literature. *Mr. Benbow*

## 413. HISTORY OF LITERARY CRITICISM

A study of the classical backgrounds and of the development of English criticism. (Open to seniors and by permission to juniors.)

Prerequisites: English 221, 222; or 223, 224. *Mrs. Comparetti*

## 421, 422. CONTEMPORARY LITERATURE

English and American literature of the twentieth century. An introduction to the most important authors since 1914, and a detailed study of one author each semester. Open to seniors only.

Prerequisites: English 221, 222; or 223, 224. *Mr. Chapman*

## FINE ARTS AND MUSIC

*Professors Comparetti and Carpenter;  
Assistant Professor Re*

## ART

Major requirements: eight semester courses in Art, including two advanced semester courses in art history or criticism, Art 231, and ordinarily Art 211. In addition, two semester courses in Classical Civilization or European history.

## 121, 122. INTRODUCTION TO ART

Methods of approach to the understanding of architecture, sculpture and painting, and a general historical treatment of European Art.

## † [211. THEORY AND PRACTICE OF DRAWING]

The practice of drawing, with discussions and occasional lectures. Limited to 30 students.

Prerequisite: General aptitude.

## † [212. ADVANCED DRAWING]

A continuation of the work begun in 211, with more complex problems. Limited to 15 students.

Prerequisite: Art 211.

\* 231. THEORY AND PRACTICE OF DESIGN;  
INTRODUCTION TO PAINTING

Problems in design, with an emphasis on color. Studio course with discussions and lectures. Limited to 30 students.

Prerequisite: General aptitude.

## \* 232. INTRODUCTION TO PAINTING

A continuation of 231, with more complex problems. Limited to 15 students. Though not prerequisite, Art 211 and 212 will be found valuable in this course.

Prerequisite: Art 231.

## † [311. ART OF THE RENAISSANCE]

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.

## † [312. BAROQUE ART]

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

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

## \* 313. MODERN ART

In this course special attention will be given to French painting of the nineteenth and twentieth centuries.

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

## 321, 322. STUDIO WORK

Individual work in oil painting. This course may be repeated in a second year with the undertaking of different problems.

Prerequisite: Art 211, 212, 231, 232 and special permission.

## 412. PROBLEMS IN ART CRITICISM

Seminar course primarily for seniors majoring in the department. Practice in employing critical method, reading, and discussions of various approaches to aesthetics and criticism will be directed toward study of the present state of knowledge in this field.

## MUSIC

Major requirements: eight semester courses in Music including 111, 112, 211, 212; History 121, 122 and either French 103, 104 or German 103, 104. Students planning graduate work in musicology are advised to elect both languages

## 101, 102. HISTORY AND APPRECIATION OF MUSIC

Survey of the art of music, with particular reference to matters of style and historical background; illustration and discussion of vocal and instrumental works. First semester, from the beginning to 1750; second semester, from 1750 to the present time.

*Messrs. Comparetti and Re*

## 111. THEORY AND PRACTICE OF MUSIC

A course in musical notation, scales, intervals and chord structure, elements of music design and harmony.

Limited to ten students.

*Mr. Re*

## 112. HARMONY

Harmonization of given and original melodies; analysis of compositions selected from major composers.

Prerequisite: Music 111 or equivalent.

*Mr. Re*

## 211. COUNTERPOINT

A course dealing with the principles of melodic combinations. Illustrations from major works of contrapuntal art.

Prerequisite: Music 111, 112.

*Mr. Re*

## 212. ADVANCED COUNTERPOINT

Continuation of 211 with emphasis on original application of contrapuntal principles. Composition of inventions, fugues and other forms.

Prerequisite: Music 111, 112, 211 and permission of instructor.

*Mr. Re*

## 301, 302. THE VIENNESE CLASSICISTS

Emphasis on the instrumental works of Haydn, Mozart, Beethoven and Schubert. Study of forms and reading of scores.

Prerequisite: Music 101, 102, 111, 112 and permission of instructor.

*Mr. Comparetti*

## [305, 306. OPERA AND ORATORIO]

The history of opera and oratorio. Study of famous representative works and techniques.

Prerequisites: Music 101, 102, 111, 112.

## APPLIED MUSIC

Private lessons in one of the following instruments — piano, organ, violin, viola, violoncello and bass viol — and in voice, are available at additional cost. To fulfill credit requirements, students must have one lesson and practice a minimum of six hours each week. There is no credit for the Freshman year. Thereafter one semester of course credit for each three semesters can be applied toward requirements for the college degree.

Students desiring private instruction in piano are referred to Mr. Comparetti; in voice to Mrs. Edward J. Colgan, 11 Gilman Street and Mr. Roger Nye, 17 Silver Street, Fairfield; and in stringed instruments to Mr. Walter Habenicht and Mr. Max Cimbollek.

For participation in the College Glee Clubs, the Symphony Orchestra and the College Band, a student may receive credit for a one year course provided he is an active member of one of the above organizations through four years in college and has by his Senior year completed requirements in any one course offered by the De-

partment of Music. There is no credit for the Freshman year or for any period less than the four years of active participation. If this credit is applied to the requirement for graduation, as one of the twenty courses required, payment must be made on the established per course basis.

The Carnegie library of musical recordings is available to all students of the College; listening hours to be arranged.

## MODERN FOREIGN LANGUAGES

*Chairman, Professor McCoy*

*Professor McCoy; Associate Professors Strong, Smith, Bither, and Kellenberger; Assistant Professors Schmidt, Biron, Holland; and Mr. Ullman*

### FRENCH

Major requirements: French 105, 106, 221, 222, and any two of the three French courses: 343, 344; 345, 346; 347, 348; German 225, 226; History 121, 122; and two years of German or Spanish (if the student has not already had the equivalent in high school). A student desiring certification for teaching French must also include French 312 and 411. When computing the "C" average, all courses taken in the Department are included.

Note: In French 101, 102, 103, 104, 105, 106, 107, 108 students are allocated on the basis of their achievement in French as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

#### 101, 102. ELEMENTARY FRENCH

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy French; collateral reading.

*Mr. Kellenberger and Staff*

#### 103, 104. INTERMEDIATE FRENCH

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: French 101, 102 or two years of high school French.

*Mr. Smith and Staff*

## 105, 106. READINGS IN FRENCH LITERATURE

A study of some of the masterpieces of French literature from the Middle Ages to the present day, with biographical sketches of the authors read. Translation, class discussion, collateral reading, composition. One hour per week of language laboratory, with emphasis on pronunciation, intonation, conversation, and development of a practical vocabulary. Conducted chiefly in French.

Prerequisite: French 103, 104 or three years of high school French.

*Mr. Biron and Staff*

[107, 108. ADVANCED COMPOSITION, CONVERSATION,  
AND READING]

Practice in speaking, writing, and reading French; prose and poetry; sight and collateral reading. One hour per week of language laboratory. Conducted chiefly in French.

Prerequisite: French 103, 104 or three years of high school French.

## 221, 222. GREAT WRITERS OF THE AGE OF LOUIS XIV

A study of the works of the principal authors of the seven-teenth century, with particular emphasis on Corneille, Racine, Molière, and La Fontaine. Conducted chiefly in French.

Prerequisite: French 105, 106.

*Mr. Smith*

## 312. SPOKEN AND WRITTEN FRENCH

Reading, writing, and reciting French, with a view to developing fluency in expression. Phonetic training directed toward a correct accent. Intended primarily for advanced students and prospective teachers. Conducted in French.

Prerequisite: French 221, 222.

*Mr. Strong*

## † [343, 344. FRENCH LITERATURE OF THE 18TH CENTURY]

Characteristic works of Montesquieu, Buffon, Voltaire, Diderot, Rousseau, Marivaux, Beaumarchais, Abbé Prévost, Chénier, and others. Conducted chiefly in French.

Prerequisite: French 221, 222.

## \* 345, 346. FRENCH LITERATURE OF THE 19TH CENTURY

A study of the various literary movements, and the major works of the leading poets, novelists, and dramatists of the nineteenth century. Conducted chiefly in French.

Prerequisite: French 221, 222.

*Mr. Strong*

## 347, 348. CONTEMPORARY FRENCH LITERATURE

The sources of contemporary French literature. Outstanding prose and poetic works of the twentieth century. The development of French drama since 1900. Conducted chiefly in French.

Prerequisite: French 221, 222.

*Mr. Smith*

411. TEACHING OF FRENCH AND SPANISH  
IN THE SECONDARY SCHOOL

Problems and methods of teaching French and Spanish; readings, discussions, practice work, and criticisms. Counts as three hours in Education toward the Maine Professional Secondary Certificate. Conducted in English.

Prerequisite: French 221, 222 or Spanish 221, 222.

*Mr. Strong*

## 412. ADVANCED SPOKEN AND WRITTEN FRENCH

A continuation of French 312, with more emphasis on free composition, originality of expression, and extemporaneous speaking. Conducted in French.

Prerequisite: French 312.

*Mr. Strong*

[441, 442. COMPREHENSIVE SURVEY OF FRENCH  
LITERATURE]

Rapid but intensive study of the chief movements, writers and monuments of French literature from the earliest times to the present. Conducted chiefly in French.

Prerequisite: French 221, 222.

## 461, 462. FRENCH SEMINAR

Work of a more individual and original nature for advanced students; assigned readings; investigation of special subjects; written and oral reports; examinations.

Prerequisite: French 343, 344 or 345, 346 or 347, 348.

*Staff*

## GERMAN

Major requirements: German 105, 106 or 107, 108; 343, 344 or 345, 346 or 461, 462; 421, 422 or 441, 442; 225, 226; History 121, 122; and two years of French or Spanish (if the student has not already had the equivalent in high school). When computing the "C" average, all courses taken in the Department are included.

NOTE: In German 101, 102, 103, 104, 105, 106, 107, 108 students are allocated on the basis of their achievement in German as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

## 101, 102 ELEMENTARY GERMAN

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy German; collateral reading.

*Mr. McCoy and Staff*

## 103, 104. INTERMEDIATE GERMAN

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: German 101, 102 or two years of high school German.

*Mr. Schmidt and Staff*

## [105, 106. READINGS IN GERMAN LITERATURE]

Readings in eighteenth, nineteenth, and twentieth century poetry, prose and drama. Masterpieces from some of the following: Lessing, Goethe, Schiller, the Romanticists, Hauptmann, Sudermann, the contemporary writers. One hour per week of language laboratory, with emphasis on pronunciation, intonation, conversation, and development of a practical vocabulary.

Prerequisite: German 103, 104 or three years of high school German.

## 107, 108. CONVERSATION, COMPOSITION, AND READING

Practice in speaking and writing German; collateral reading in prose selected to meet the individual needs of students majoring in other fields such as the sciences, social sciences, and others. One hour per week of language laboratory. Conducted chiefly in German.

Prerequisite: German 103, 104 or three years of high school German.

*Mr. Schmidt*

## 225, 226. GERMANIC ARTS AND LITERATURES

The intellectual and artistic achievements of the Germanic peoples: Gothic, German, Austrian, Swiss, Dutch and Scandinavian, as revealed in their arts and literatures. Beowulf, Nibelungenlied, Lessing, Goethe, Schiller, Heine, Kleist, Grillparzer, Hebbel, Hauptmann, Mann, Ibsen, Undset, and others; architecture, music, painting, customs. Lectures, reports, and discussions; readings in English translation; no knowledge of the German language required.

*Mr. McCoy*



## 343, 344. GERMAN LITERATURE OF THE 18TH CENTURY

The literature of the Classical Period: Klopstock, Wieland, Herder, Lessing, Goethe, and Schiller. Emphasis on a detailed study of the masterpieces of Goethe and Schiller. Additional work will be required of any student who has passed a course beyond German 107, 108.

Prerequisite: German 105, 106 or 107, 108, and junior standing at least or special permission. *Mr. Schmidt*

## [345, 346. GERMAN LITERATURE OF THE 19TH CENTURY]

Characteristic works of representative men, including Novalis, Tieck, Schlegel Brothers, Eichendorff, Rückert, Koerner, Uhland Kleist, Heine, Ludwig, Grillparzer, Hebbel, and Hauptmann. Literary movements: Romanticism, Young Germany, Realism, Naturalism. Additional work will be required of any student who has passed a course beyond German 107, 108.

Prerequisite: German 105, 106 or 107, 108, and junior standing at least or special permission.

## [421, 422. GERMAN POETRY]

A general survey of German poetry, lyrical and dramatic, from the earliest times to the present. Additional work will be required of any student who has passed a course beyond German 107, 108.

Prerequisite: German 105, 106 or 107, 108, and 225, 226.

## [441, 442. COMPREHENSIVE SURVEY OF GERMAN LITERATURE]

Intensive study of the chief movements, writers, and monuments of German literature from the earliest times to the present.

Prerequisite: German 105, 106 or 107, 108, and 225, 226.

## 461, 462. GERMAN SEMINAR

Work of a more individual and original nature for advanced students; assigned readings; investigation of special subjects; written and oral reports; examinations.

Prerequisite: German 421, 422 or 441, 442.

*Staff*

## PORTUGUESE

## [212. ELEMENTARY PORTUGUESE]

An introduction to the language through the medium of Spanish. Course designed to acquaint the student in one semester with the fundamentals of Portuguese grammar, and to give him the ability to read and speak the language of Brazil. (Was first given in the spring semester of 1955.)

Prerequisite: Spanish 105, 106, or the completion of Spanish 105 with a mark of at least C, and with current enrollment in Spanish 106, and permission of the instructor.

## SPANISH

Major requirements: Spanish 105, 106, 221, 222, 341, 342, 347, 348; German 225, 226; History 121, 122; and two years of French or German (if the student has not already had the equivalent in high school). A student desiring certification for teaching Spanish must also include French 411. When computing the "C" average, all courses taken in the Department are included.

NOTE: In Spanish 101, 102, 103, 104, 105, 106, 107, 108 students are allocated on the basis of their achievement in Spanish as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

## 101, 102. ELEMENTARY SPANISH

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy Spanish; collateral reading.

*Mr. Bither and Staff*

## 103, 104. INTERMEDIATE SPANISH

Review of grammar and syntax; composition; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: Spanish 101, 102 or two years of high school Spanish.

*Mr. Holland and Staff*

## 105, 106. READINGS IN SPANISH LITERATURE

A study of some of the masterpieces of Spanish literature from the Middle Ages to the present day, with biographical sketches of the authors read. Translation, class discussion, collateral reading, composition. One hour per week of language laboratory, with emphasis

on pronunciation, intonation, conversation, and development of a practical vocabulary. Conducted chiefly in Spanish.

Prerequisite: Spanish 103, 104 or three years of high school Spanish. *Mr. Ullman*

[107, 108. CONVERSATION, COMPOSITION, AND READING]

Practice in speaking, writing, and reading Spanish; prose and poetry; sight and collateral reading. One hour per week of language laboratory. Conducted chiefly in Spanish.

Prerequisite: Spanish 103, 104 or three years of high school Spanish.

221, 222. HISPANIC-AMERICAN LITERATURE

The development of Hispanic literature and civilization in the New World from the period of colonization through the contemporary period. Conducted chiefly in Spanish.

Prerequisite: Spanish 105, 106, or Spanish 103, 104 with the permission of the instructor. *Mr. Holland*

‡ [341, 342. SPANISH LITERATURE OF THE GOLDEN AGE]

A study of the chief writers and works of the Classical Period: sixteenth and seventeenth centuries. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

\* 347, 348. CONTEMPORARY SPANISH LITERATURE

The chief literary movements of the nineteenth century, the Generation of 1898, and twentieth century developments. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

*Mr. Holland*

461, 462. SPANISH SEMINAR

Work of a more individual and original nature for advanced students; assigned readings; investigation of special subjects; written and oral reports; examinations.

Prerequisite: Spanish 341, 342 or 347, 348.

*Staff*

## DIVISION OF SOCIAL SCIENCES

*Chairman, PROFESSOR BISHOP*

NOTE: Details regarding the graduation requirement in Social Sciences are given on page 16. It should be noted that:

(1) General Studies 121, 122 may be elected as partially fulfilling this requirement.

(2) Not more than one course below the 200 level may be counted toward this requirement.

(3) The content of History 121, 122 and Economics 221, 222 or 241, 242 have been integrated to form a freshman-sophomore sequence.

Students may major in one of two divisional curricula or in a single department.

### Combined Majors:

(a) History, Government, Economics; Adviser, Mr. Breckenridge.  
Major requirements: in the sophomore year: History 121, 122 (if not taken in freshman year) and Economics 241, 242; in the junior year: History 321, 322, Economics 321, 322, and two semester courses in government; in the senior year: Government 331, 332, two semester courses in history and two in economics.

(b) American Civilization; Adviser, Mr. Fullam.  
Major requirements: in the sophomore year: History 121, 122 (if not taken in freshman year) and Economics 221, 222; in the junior year: English 341, 342, Economics 321, 322, History 321, 322, and Religion 216; in the senior year: Government 331, Philosophy 352, History 412, and History 401, 402.

In addition, majors in either (a) or (b) will be required to pass a general examination based largely on a selected list of about ten books; the list will be given to the student at the beginning of his junior year, and the examinations may be taken at any time during the senior year.

## BUSINESS ADMINISTRATION

*Chairman, PROFESSOR BISHOP*

*Professor Eustis; Associate Professors Seepe, Bishop and Williams; Assistant Professors Lathrop and Zukowski.*

Major requirements: Business Administration 221, 222, 321, 322, 411, 414;

Economics 241, 242; and one additional year-course or its equivalent in Business Administration (above the 200 level). Courses used in computing 70 average (see "Concentration", page 17): Economics 241, 242; and all Business Administration courses above the 100 level.

### 121, 122. INTRODUCTION TO BUSINESS

A study of the institutions, operations, general areas, and vocabulary of business. This course aims at providing the student with a background for adequate appraisal of local, national, and international events and situations as they relate to business, together with an opportunity to prepare for his own role in the business scene.

The eight sections of the course are: The nature of business, ownership, finance, physical factors, personnel, marketing, managerial controls, government and business. *Mr. Lathrop*

### 221e, 222. ELEMENTARY ACCOUNTING

Basic principles applicable to the construction of accounting records and preparation of financial statements for the principal forms of business organization. Examination of certain aspects of accounting theory and practice in the recording of transactions and preparation of statements. Two hours of class discussion and one laboratory period per week.

*Mr. Zukowski, Mr. Bishop*

### 321, 322. CORPORATION FINANCE

Study of business corporations through the promotion, organization, operation and expansion, or failure and reorganization stages of their development. Corporate securities are studied in detail.

*Mr. Zukowski*

### 341, 342. ADVANCED ACCOUNTING

Application of basic principles of accounting to special situations; intensive study of problems of asset valuation, accounting for equities, and determination of income and expense; study of cost accounting and budgetary control.

Prerequisite: Business Administration 221, 222 with satisfactory grade. *Mr. Bishop*

### 343, 344. MARKETING

A study of the distribution channels for various classes of consumers' and industrial goods, with emphasis on marketing institutions and their functions. In addition to its coverage of factual

material; this course intends, through the use of case studies, to develop in the student the ability to make sound marketing decisions. Considerable time is given to advertising. *Mr. Lathrop*

### 351. HUMAN RELATIONS IN BUSINESS

Personnel management, formal and informal organization, authority and responsibility, and the relationship of the individual to others on the same and other levels in the business organization.

*Mr. Bishop*

### † [352. BUSINESS STATISTICS]

Basic principles and methods of statistics and their application to business problems. The course includes: the presentation of statistical data, measures of central tendency, dispersion, correlation, trends, index numbers, significance, and quality control. A knowledge of algebra is desirable.

### 353. INDUSTRIAL MANAGEMENT

Case problems in the management of industrial enterprises. A study of principles of scientific management; basic philosophy of simplification, standardization, and automation; factors and significance of plant location and layout; principles of production control, price determination, maintenance and equipment policy, and the human problems of labor relations.

*Mr. Zukowski*

### 354. BUSINESS LAW

The course is designed to provide the student with an understanding of the principles of statutory and common law as they affect business relationships; with particular reference to such subjects as contracts, agency, property, sales, and negotiable instruments.

*Mr. Zukowski*

### 411. PERSONAL FINANCE

The fundamental principles and their application in the management of one's personal financial affairs; the role of savings, securities investment, home ownership, and forms of life insurance.

Prerequisite: senior standing, juniors by permission.

*Mr. Williams*

### 412. INVESTMENTS

The nature of investments with emphasis on the investment use of securities issued by both public authorities and private corporations.

Prerequisites: Business Administration 221, 222, 321, 322, 411.

*Mr. Williams*

**414. BUSINESS POLICY**

Integration of the functional courses in Business Administration through consideration of a wide range of case histories from the viewpoint of management.

Prerequisite: Business Administration 221, 222, 321, 322; limited to seniors majoring in Business Administration or Economics. *Staff*

**TYPEWRITING AND SHORTHAND**

Available in addition to a student's normal program are courses in typewriting and shorthand, each meeting for three 50-minute periods weekly. Regulations governing attendance, examinations, and similar matters apply to these courses. Level of achievement is made a part of the student's permanent academic record, *although neither typewriting nor shorthand can be counted as fulfilling any part of the requirements for graduation.* (See Graduation Requirements, page 15.) Courses will be withdrawn if enrollment is inadequate, but individual instruction is available at a local business college.

**141, 142. SHORTHAND**

Principles of Gregg shorthand. Dictation up to 80 words per minute

**143, 144. TYPEWRITING**

Study of touch typewriting; letter arrangement; tabulation; related topics. Organization and presentation of correspondence and reports.

**ECONOMICS AND SOCIOLOGY**

*Chairman, PROFESSOR BRECKENRIDGE*

*Professor Breckenridge; Associate Professor Pullen; Assistant Professor Birge; Messrs. Pivetz and Weiner.*

Attention is invited to the opportunities for concentrating in combined majors: history, government, and economics; and American civilization.

**ECONOMICS**

Major requirements: Economics 241, 242, and eight additional semester courses in economics; two semester courses above the freshman level (except that History 121, 122 may be counted) in each of two related social sciences se-

lected with the approval of the adviser. History 121, 122 in the sophomore year is strongly recommended, if not taken in the freshman year.

Students interested in business may substitute Business Administration 221, 222 or Business Administration 321, 322 for two of the eight semester courses in advanced economics required for the major, and may count the other of these two pairs of courses toward the requirement in related social sciences. They may, of course, elect additional courses in Business Administration.

Students who wish to be recommended by the Department for graduate work in economics should take Mathematics 123, 124, 221, 222, and must include the following advanced courses among the eight semester courses in advanced economics required for the major: Economics 332, 341, 342, 372, and 411. If a student intends to be a candidate for the Ph.D. degree, he should also acquire a reading knowledge of both French and German, and a working knowledge of elementary statistics.

In computing the required 70 average for the major, only courses in economics will be counted, except that Business Administration 221, 222 or Business Administration 321, 322 will be counted if one of these pairs of courses is substituted for two semester courses in advanced economics in fulfilling the major requirement.

#### 221e, 222. THE AMERICAN ECONOMY

Designed especially for students majoring in the Division of Languages, Literatures and Arts, the Division of Science, and in Social Sciences other than Economics, Business Administration, and the combined major in History, Government and Economics, this course describes the structure and functioning of the American economy, and seeks to contribute to an understanding of the major present-day economic problems. Course 221 is prerequisite for 222.

#### 241e, 242. PRINCIPLES OF ECONOMICS

An introductory course in the principles of economics and their applications to modern economic life. Required of majors in Economics, Business Administration, and the combined major in History, Government and Economics, and elective for others who meet the prerequisite.

Credit will be given for either Economics 221e, 222 or Economics 241e, 242, but not for both. Course 241 is prerequisite for 242.

#### 321, 322. ECONOMICS OF GOVERNMENT REGULATION

A study of the role of government in economic life, with emphasis upon the regulation of competition and monopoly and of public utilities.

Prerequisite: Economics 221, 222; or 241, 242. Course 321 is prerequisite for 322.

*Mr. Breckenridge*



## \* 332. INTERMEDIATE ECONOMIC THEORY

The construction of a consistent body of economic theory as a foundation for further economic analysis. Emphasis is placed upon some of the more important analytical concepts used in the determination of price and output for both the individual firm and the industry under varying conditions of competition and monopoly.

Prerequisite: Economics 221, 222; or 241, 242. *Mr. Pullen*

## † [341, 342. MONEY AND BANKING]

A study of the role of money, credit, and banking in the economic system, with emphasis on the structure and operation of commercial banking and the Federal Reserve System in the United States, and on monetary theory and business cycle theory and their application to the problem of economic stability.

Prerequisite: Economics 221, 222; or 241, 242. Course 341 is prerequisite for 342.

## \* 352. TAXATION AND FISCAL POLICY

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

Prerequisite: Economics 221, 222; or 241, 242.

*Mr. Breckenridge*

## 361, 362. LABOR ECONOMICS

An analysis of 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 221, 222; or 241, 242. Course 361 is prerequisite for 362. *Mr. Pullen*

## † [372. MAJOR ECONOMISTS, 1750 TO THE PRESENT]

An examination and appraisal of the contributions of the major economists to the development of economic thought since the mid-eighteenth century. Extensive use of source material will be made.

Prerequisite: Economics 221, 222; or 241, 242.

## 381, 382. INTERNATIONAL ECONOMICS

A survey of international trade theory, international finance and balance of payments adjustments, with, in the second semester, a

study of commercial problems and policy, particularly in the post-World War Two period.

Prerequisite: Economics 221, 222; or 241, 242. *Mr. Weiner*

\* 391. COMPARATIVE ECONOMIC SYSTEMS

A basic institutional comparison of the most important contemporary economic systems (capitalism, socialism, totalitarianism) as exemplified by the economies of the United States, the United Kingdom, and the U.S.S.R., including an analysis and evaluation of planned and unplanned economies.

Prerequisite: Economics 221, 222; or 241, 242. *Mr. Pullen*

411. SEMINAR IN CURRENT ECONOMIC PROBLEMS AND POLICIES

A study of current economic problems and policies considered in relation to their historical background and to the economic principles underlying them. *The New York Times* will be the text. Frequent oral and written reports will be required of each student.

Prerequisite: Economics 221, 222; or 241, 242; at least two additional semester courses in Economics; and permission of the instructor. *Mr. Breckenridge*

## SOCIOLOGY

Major requirements: Sociology 221, 222, and eight additional semester courses in Sociology, including Sociology 311, 312; Economics 221, 222; two semester courses in Psychology; and two semester courses in History. In addition to course work, majors are expected to do extra reading. A list of books on subjects not covered in courses will be drawn up each year, and juniors and seniors majoring in Sociology must pick one subject and report briefly on the books listed under that subject.

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

In computing the required 70 average for the major, all courses required for the major will be counted.

221e, 222. PRINCIPLES OF SOCIOLOGY

An introduction to the study of human society: its growth, institutions, activities and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. Course 221 is prerequisite for 222.

## \* 311. NORMATIVE SOCIAL THEORY

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

Prerequisite: Sociology 221, 222.

*Mr. Birge*

## \* 312. HISTORY OF SOCIOLOGICAL THEORY

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

Prerequisite: Sociology 221, 222.

*Mr. Birge*

## 331. INTRODUCTION TO SOCIAL WORK

This course is designed to provide the student with an adequate background for an understanding of the various theories, agencies, institutions, laws, material equipment and historical development of the field of social work. The problems of social work are studied in case summaries.

Prerequisite: Sociology 221, 222.

*Mr. Pivetz*

## ‡ [332. DELINQUENCY AND CRIME]

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

Prerequisite: Sociology 221, 222.

## ‡ [351. RACE AND MINORITY GROUPS]

This course presents the major problems of race and minority groups in the modern world.

Prerequisite: Sociology 221, 222.

## ‡ [352. URBAN SOCIOLOGY]

Urban Sociology is an eclectic study of the city as a sociological phenomenon. This includes the historical and ecological development of the city, population and selective migration, group life and personality, and organization and disorganization of urban areas.

Prerequisite: Sociology 221, 222.

## \* 361, 362. CULTURAL ANTHROPOLOGY

A course in introductory anthropology with special emphasis on the implications of the social and cultural experiences of primitive people for modern society.

Prerequisite: Sociology 221, 222. Course 361 is prerequisite for 362. *Mr. Birge*

## † [391. PROPAGANDA AND PUBLIC OPINION]

A social analysis of the phenomena of public opinion and propaganda, and of the forces which mold each. Special attention is paid to the major media of communication: radio, press, television, and films; the institutional structure within which communication occurs; and the use of propaganda and public opinion in social control.

Prerequisite: Sociology 221, 222, or permission of the instructor.

## 392. THE FAMILY

An historical and comparative study of family and marriage from an institutional point of view, including the relationship of the family to other aspects of culture.

Prerequisite: Sociology 221, 222. *Mr. Pivetz*

## 401, 402. SOCIOLOGY SEMINAR

A seminar on the major problems of Sociology as a science. Much of the work will be devoted to individual projects.

Prerequisites: Senior standing, and permission of the instructor *Mr. Pivetz*

**EDUCATION AND PSYCHOLOGY**

—————; *Associate Professor Smith; Instructor*

The College, through this department, has made it possible for students to meet the minimum requirements established by the Maine State Department of Education for the First Provisional Certificate. That certificate is granted to college graduates who have completed eighteen semester hours in Psychology and Education (no more than six of which may be in Psychology).

Students preparing for high school teaching should qualify in at least two subject fields; this may mean limiting the elections in any one subject to the minimum requirements for a major, and building up a second subject to approximate concentration. Both of these subjects should be such as are ordinarily taught in high schools. With respect to this and other professional factors, prospective teachers should consult with the staff of this department.

Candidates for certification and recommendation would be well advised to consider the need for possessing markedly more than average endowments of acquirements in health, emotional stability, voice, general appearance and in scholarship.

Special methods courses may be included among the courses presented for certification.

The Special Methods Courses now offered are:

French 411. Teaching of French and Spanish in the Secondary School.

Physics 331: Teaching of Science in Secondary School.

The following sequence of courses is recommended for the teaching candidate:

Education 211 and 212	6 semester hours	Sophomore Year
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Psychology 331 and 332	6 semester hours	Junior Year
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Education 411d	6 semester hours	Senior Year
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Note: A Special Methods Course may be substituted for either Education 211 or Psychology 331.

Candidates for positions as Directors of Physical Education are required to obtain a special certificate; this requirement may be met by completing a year-course in biology or physiology and Physical Education 311, 312.

## EDUCATION

### 211. INTRODUCTION TO EDUCATION

An orientation course especially designed for prospective teachers with the major emphasis placed upon teaching as a professional career. Topics in the areas of history and philosophy of Education will be discussed to give the student a frame of reference for a better understanding of present day issues and practices.

*Mr. Smith*

### 212. PRINCIPLES OF SECONDARY EDUCATION

This course will consider the institution of the American High School with a discussion of such topics as the aims, functions and curriculum organization of secondary education.

*Mr. Smith*

### 411d. PRACTICUM IN EDUCATIONAL METHOD

*This is a semester course carrying a full year's credit. Each student electing the course must have an average of 80 or better in the major field of concentration and approval of the major adviser.*

After a period of preliminary instruction, the students in this course will be assigned student-teaching positions in local and neighboring high schools for one month of classroom observation and teaching. During the month of practice, each student will be

supervised by the high school critic teacher, by a member of this department and by a member of the student's major department. The students will not be expected to attend regular college classes during the practice period but they will be advised to keep in close contact with the college work through frequent consultations with members of the college staff. The class discussions will include such topics as methods in classroom instruction and management, problems of the novice, marking and reporting, testing and evaluation procedures, and the psychology of learning. When the class reconvenes after the month of practice, the students will participate in discussions with visiting teachers, local and state school officials and other consultants drawn from the community at large.

Prerequisite: Education 211 and 212; Psychology 331 and 332; or the substitution of a Special Methods Course for either Education 211 or Psychology 331.

*Mr. Smith*

#### 421, 422. SEMINAR IN EDUCATION

This course is intended for the serious student capable of undertaking independent study of a special problem in the field of Education. Readings, field work, reports and a final paper will be required.

Prerequisite: senior standing and permission of instructor.

*Mr. Smith*

### PSYCHOLOGY

Major requirements: Psychology 221, 222; 321, 322; and twelve additional hours in psychology; Biology 101, 102 or Sociology 221, 222. Psychology 421 and/or 422 are required of students planning to do graduate work. Note: courses in advanced physics, biology, statistics, and a good reading knowledge of French and German will prove especially valuable for graduate study.

#### 221e, 222. GENERAL PSYCHOLOGY

Human behavior and its physiological foundations; learning, memory, intelligence and its measurement; personality factors; effective adjustment to life. General biology is highly desirable as a preparation for this course.

#### 311. APPLIED PSYCHOLOGY

Application of psychology to business, industry, personnel problems, psychopathology, and mental health.

Prerequisite: Psychology 221, or senior standing.

## 312. MENTAL HYGIENE AND GENERAL SEMANTICS

Basic principles. Problems of language and reality, abstracting and labeling. Common maladjustments and semantic re-education.

Prerequisite: Psychology 221, or 311 with mark of 70 or better

## 321, 322. STATISTICS AND EXPERIMENTATION

Problems in psychological measurement, with emphasis in the first semester upon statistical methods, and in the second semester upon experimental problems and techniques. Required of all majors.

Prerequisite: Psychology 222 with mark of 70 or better.

## 331. CHILD PSYCHOLOGY

Genetic study of childhood from the pre-natal period to adolescence; problems of adjustment to growth and to social environment; intensive study of recent research.

*Mr. Smith*

## 332. ADOLESCENT PSYCHOLOGY

Growth and development during the adolescent period including discussion of such topics as the adolescent's relations with his family, peer group, and culture; physical and intellectual development; vocational interests, attitudes and ideals. The case study method will be used in this course.

*Mr. Smith*

## 351. THE PSYCHOLOGY OF PERSONALITY

An introduction to the psychological study of personality: development, methodological problems, the dynamics of adjustment.

Prerequisite: Psychology 222; or senior standing, by permission.

## 352. SOCIAL PSYCHOLOGY

The individual in the group: social interaction, attitudes, social and cultural determinants of behavior and personality.

Prerequisite: Psychology 222; or senior standing, by permission

## 421, 422. SEMINAR IN PSYCHOLOGY

Independent study of special problems. Intended for students whose training and experience qualify them for self-motivated work in a specific area.

Prerequisite: senior standing and Psychology 221, 222; 321, 322.

*Staff*

**HISTORY AND GOVERNMENT**

*Chairman, PROFESSOR FULLAM*

*Professor Fullam; Associate Professor Tompkins,  
Assistant Professors Gillum, Raymond, Berschneider  
and Bliss*

Attention is invited to the opportunity for concentrating in (1) history, government and economics; (2) American civilization. See page 69.

Major requirements: Ten semester courses in history including History 121, 122 (unless special exemption is granted), and two semester courses in government.

## 121e, 122. HISTORY OF MODERN EUROPE, 1500 — 1956

An introductory survey of the main historical trends from the Renaissance to the present day, with special emphasis on the role of ideas in politics, as a background for the ideological and political problems of today.

Prerequisite: none; 121, except for special permission, is prerequisite for 122.

*Mr. Berschneider and Staff*

## 221e, 222. THE WORLD OF THE MIDDLE AGES, 467 — 1500

A history of Western Europe from the decline of the Roman unity to the Renaissance, with emphasis upon Byzantine and Moslem influences, as a study in which characteristic western institutions and cultural forces took shape in a general social advance.

*Mr. Berschneider*

## 241e, 242. HISTORY OF ENGLAND

The main trends in English History, from the earliest times to the present.

*Mr. Gillum*



## 243e, 244. SOCIAL AND CULTURAL HISTORY OF ENGLAND

English history, with particular attention to the social and cultural backgrounds of English intellectual and literary achievements.

Prerequisite: 243 is prerequisite for 244. *Mr. Gillum*

## 261, 262. CLASSICAL CIVILIZATION

The cultures of Greece and Rome, and their contribution to the western world. *Mr. Bliss*

## 321e, 322. HISTORY OF THE UNITED STATES, 1776 TO PRESENT

United States History, from the Declaration of Independence, with special emphasis on the evolution of American ideas and institutions.

Prerequisite: at least one year-course in history. 321 is prerequisite for 322. *Mr. Fullam*

## [323, 324. DIPLOMATIC HISTORY OF EUROPE, 1815 — 1956]

A study of the modern state system and the diplomatic background of the existing relations between and among the major world powers.

Prerequisite: History 121, 122, or special permission.

## 341, 342. HISTORY OF RUSSIA AND THE U.S.S.R.

The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet Regimes. Special emphasis on Soviet theories, institutions and foreign policy.

Prerequisite: History 121, 122; 341 is prerequisite for 342; may also be taken by special permission. *Mr. Raymond*

## [343, 344. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE]

A study of the principal trends and leaders of new thought (Darwin, Mazzini, Marx, Nietzsche, Bakunin, Sorel, Freud et al.) with emphasis on the nineteenth and twentieth centuries.

Prerequisite: History 121, 122, or special permission.

## [353. HISTORY OF THE BRITISH EMPIRE, 1815 TO PRESENT]

The building of the Empire, its governmental and economic development, and its role in world affairs.

Prerequisite: History 121, 122; special permission.

## 361, 362. ENGLISH CONSTITUTIONAL AND LEGAL HISTORY

The origin and development of the institutions of government from the earliest times to parliamentary supremacy in modern England.

Prerequisite: two previous year courses in history or government, or special permission.

*Mr. Gillum*

## 363, 364. TWENTIETH CENTURY EUROPE

The political and economic history of Europe from 1900 to the present.

Prerequisite: History 121, 122, or special permission.

*Mr. Berschneider*

## [372. THE FRENCH REVOLUTION AND NAPOLEON]

An examination of European history from 1789 to 1815, with special emphasis upon political and social developments in France.

Prerequisite: History 121, 122, and one other year course in history, or special permission.

## [374. HISTORY OF MODERN GERMANY]

The governmental and economic development, the international influence, of Germany, from Bismarck to the present time.

Prerequisite: History 121, 122, or special permission.

## 401, 402. HISTORY SEMINAR

Critical study and evaluation of sources and documents; methods of historical research, important historians, and some problems of the philosophy of history.

Prerequisite: Concentration in history; B average in history courses, or by special permission.

*Mr. Berschneider and Staff*

## 411d. TOPICS IN HISTORY

Study of History through special topics.

Prerequisite: history major.

*Staff*

412. THE AMERICAN REVOLUTION AND THE FORMATION  
OF THE UNION

A study of the history of the United States from 1776 through 1789.

Prerequisite: History 321, 322, and one other year course in history. *Mr. Fullam*

GOVERNMENT

221e, 222. FOREIGN GOVERNMENTS AND POLITICS

A comparative study of the backgrounds, institutions, and policies of the governments of Great Britain, France, Germany, Russia, etc., with stress on the developments since World War II.

Prerequisite: History 121, 122; 221 is prerequisite for 222; may also be taken by special permission. *Mr. Raymond*

321e, 322. POLITICAL THEORY

A systematic survey of the history of political thought from Plato to Hitler emphasizing the problems of change, authority, and governmental functions.

Prerequisite: History 121, 122 or special permission.

*Mr. Raymond*

331. AMERICAN GOVERNMENT AND POLITICS

The organization and administration of the American national government.

Prerequisite: one year course in history or government.

*Mr. Fullam*

332. POLITICAL PROBLEMS

A study of select problems in modern politics. Conducted with a forum with guest lecturers.

Prerequisite: Government 331, or senior standing and special permission. *Mr. Fullam*

[351. AMERICAN FOREIGN POLICY]

A survey of the historic principles of foreign policy, and modern problems.

## [412. RESEARCH IN UNITED STATES GOVERNMENT]

Conducted as a seminar, with an original research project required.

## PHILOSOPHY AND RELIGION

*Chairman, PROFESSOR CLARK*

*Professors Bixler and Clark; Associate Professor Osborne;  
Assistant Professor Gilman; Mr. Coffin*

Two majors are offered in the department, one in Philosophy and the other in Philosophy and Religion.

Requirements for the major in Philosophy: Philosophy 211, 212, 331, 332, 381 or 382, and three further semester courses in Philosophy selected with the approval of the department.

Requirements for the major in Philosophy and Religion: Religion 101, 102, 213, 214, 311, 381 or 382, Philosophy 211, 212 and two further semester courses in Philosophy selected with the approval of the department.

## PHILOSOPHY

## 211. INTRODUCTION TO PHILOSOPHY

A survey of the chief fields of philosophy and a discussion of some major ideas and problems in each field with an emphasis on the relevance of such discussions to the problems of contemporary thought.

*Mr. Gilman*

## 212. LOGIC

A study of the distinction between valid and invalid reasoning in common thought. An introduction to the logic of scientific method and to the role of logic in the varied forms of human thought. The syllogism, and other forms of valid inference.

Prerequisite: sophomore standing, but qualified freshmen may be accepted.

*Mr. Clark*

## † [301, 302. ETHICAL ISSUES IN THE MODERN WORLD]

A course taught cooperatively by members of several of the departments in the Division of Social Science, and by some outside speak-

ers. The first semester will include a consideration of general principles for ethical judgments and a comparative study of some primitive and modern cultures in order to bring out the organic nature of the social situations in which concrete ethical issues appear. On this foundation, in the second semester, there will be a study of such controversial contemporary issues as ethics in politics, the profit motive, freedom and security, sexual morality and the family, values and standards in business and professional relationships. On each problem a variety of different sources of special knowledge will be consulted.

Prerequisite: a mark of 70 or better in each of two year-courses from two different departments in the Division of Social Science.

#### [311. PHILOSOPHY AND MODERN SCIENTIFIC THOUGHT]

The philosophical implications of modern Astronomy, the Theory of Evolution in Biology and Geology, and some of the findings of recent Physics. The relationship between Science and Western Art and Ethics. A study of the relationship between Science and Religion.

*Mr. Clark*

#### 313. ETHICS

The relation between facts and ethical values. The basis of judgment on questions of right and wrong. A study of some of the outstanding forms of Western ethical thought, their relationship to science, and to contemporary social problems.

*Mr. Clark*

#### \*314. PRESENT CONFLICTS IN POLITICAL PHILOSOPHY

The philosophies of Communism, Fascism, and of the leading current movements in Democratic social thought. Prominent philosophers from Hobbes to Rousseau who have contributed to these movements. Special emphasis on the systematic structure of the philosophies of the men studied, and on the relation of their ideas to present political and social problems.

This course is offered in alternate years with Philosophy 301, 302.

*Mr. Clark*

#### 331. HISTORY OF ANCIENT PHILOSOPHY

The movements of thought and the ideas of enduring significance in Greek philosophy from its earliest beginnings to its climax in Athens, and a consideration of the influence of Greek thought on the ancient Roman and Early Christian Worlds. Special attention will be given to the thought of Socrates, Plato and Aristotle.

*Mr. Clark*

## 332. HISTORY OF MODERN PHILOSOPHY

The study of European philosophy from Bacon to Bergson, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Hegel, and Schopenhauer. *Mr. Gilman*

## 352. AMERICAN THOUGHT

From Jonathan Edwards to John Dewey. Readings from representative thinkers, including Woolman, Jefferson, Paine, Emerson, Pierce, Royce, and Santayana. *Mr. Bixler*

## † [372. PHILOSOPHY OF RELIGION]

An analysis of the religious point of view, with consideration of some of the questions with which religion deals, together with approaches offered thereto by contemporary as well as earlier thinkers. Questions raised by students themselves will constitute the core of the syllabus.

Prerequisite: one semester course in religion, preferably Religion 311. *Mr. Osborne*

## 381, 382. PHILOSOPHY SEMINAR

Careful study of special topics chosen each year to meet the needs of the students involved. Ordinarily the course is limited to students majoring in the department, but others with special qualifications may be admitted with the consent of the instructors.

Prerequisite: Philosophy 211, 212 or Philosophy 331, 332 and two further semester courses in Philosophy. *Staff*

## RELIGION

## 101, 102. THE RELIGIOUS HERITAGE OF THE WEST

The development of Judeo-Christian religion: its origins, and its influence on the growth of Western culture, its relevance in the modern world, and its relationships to the problems of modern thought.

Prerequisite: standing not higher than sophomore.

*Messrs. Osborne, Gilman and Clark*

## [112. INTRODUCTION TO THE STUDY OF RELIGION]

Illustrations from the religions of primitive man and non-Christian religions.

Prerequisite: standing not higher than freshman. *Mr. Bixler*

## 212. GREAT RELIGIOUS PERSONALITIES

A critical evaluation of the lives and work of many Christian leaders, with particular reference to their beliefs, accomplishments, similarities and differences, historical influence, and to the movements which bear their names. *Mr. Osborne*

## 213. THE BIBLE: OLD TESTAMENT

Reading and study of the Old Testament and the Apocrypha to gain an understanding of the historical development of the religion of Israel and the principal ideas of its religious message. *Mr. Gilman*

## 214. THE BIBLE: NEW TESTAMENT

Reading and study of the New Testament with special consideration of the life of Jesus, the history of the early Christian church, and some of the principal ideas of its religious message. *Mr. Gilman*

## 311. GREAT RELIGIONS OF THE WORLD

An account of the origins and chief characteristics of Hinduism, Buddhism, Taoism, Confucianism, Greek Religion, Early Judaism, Early Christianity, and Islam. This course provides suitable background for Philosophy 372. *Mr. Osborne*

## 316. RELIGION IN AMERICAN LIFE

The role of religion in the development of American democracy, with special attention to the principal tenets and practices of Protestantism, Roman Catholicism and Judaism in contemporary life. *Mr. Gilman*

## 381, 382. RELIGION SEMINAR

Careful study of special topics in Religion. Ordinarily the course is limited to students majoring in the department, but others with special qualifications may be admitted with the consent of the instructors.

Prerequisite: the equivalent of two year-courses in Religion. *Staff*

## DIVISION OF SCIENCE

*Chairman, PROFESSOR KOONS*

### BIOLOGY

*Professor Scott; Associate Professor Terry;  
Mr. Crocker and Instructor*

Major requirements. Professional major: Mathematics 121, 122; Physics 221, 222; Chemistry 141, 142; 223, 224; Biology 101, 102 and three additional years of biology. Non-professional major: Chemistry 141, 142; Biology 101, 102 and four additional years of biology *or* Biology 101, 102; Chemistry 141, 142; Chemistry 223, 224 and three additional years of biology.

#### 101, 102. GENERAL BIOLOGY

An introduction to the science of biology.

*Staff*

#### ‡ [211. BOTANY]

A study of the morphology, physiology, ecology and classification of plants.

Prerequisite: Biology 101, 102.

#### 231. COMPARATIVE ANATOMY OF THE VERTEBRATES

A comparative study of vertebrate animals, their structure, natural history and relationships.

Prerequisite: Biology 101, 102.

#### 232. VERTEBRATE EMBRYOLOGY

A study of early vertebrate development with laboratory emphasis on the development of the chick and the pig. Consideration is given to the implications of experimental embryology, the maturation of the germ cells, cleavage, and early organogenesis.

Prerequisite: Biology 101, 102; 231.

#### 253. INVERTEBRATE ZOOLOGY

An introduction to the morphology, physiology, embryology, ecology, and economic importance of invertebrate animals. (A summer course at some seashore laboratory may be substituted for Biology 253.)

Prerequisite: Biology 101, 102.

*Mr. Crocker*



## 255. MICROBIOLOGY

The biology of yeasts, 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.

Prerequisite: Biology 101, 102; Chemistry 141, 142. *Mr. Terry*

## 256. HISTOLOGY AND MICROSCOPICAL TECHNIQUE

A study of the fundamental tissues of animals, of their arrangement in the organs of the body and of the methods used in the preparation of tissues for microscopic examination.

Prerequisite: Biology 101, 102. *Mr. Crocker*

## 312. GENETICS

A study of the mechanism of heredity; its application to man and its social importance.

Prerequisite: Biology 101, 102. *Mr. Scott*

## 313. EXPERIMENTAL BIOLOGY

The classroom work will consist of review and discussion by the students, of some classical experiments in biological science. The laboratory work will consist of approximately ten experiments involving different technical and theoretical approaches to the field.

Prerequisite: Biology 101, 102; Chemistry 141, 142. *Mr. Scott*

## 314. GENERAL PHYSIOLOGY

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

Prerequisite: Biology 101, 102; Chemistry 141, 142. *Mr. Terry*

## 421, 422. SPECIAL PROBLEMS

Prerequisite: special permission. Normally this course is open only to those who have completed or are in process of completing the courses required for a biology major. A special problem will be chosen, and the work will be directed by a member of the department staff.

## CHEMISTRY

*Professor Reid; Associate Professor Ray,  
and Instructor*

## Professional Major

Requirements: Chemistry 141, 142, 211, 221, 222, 223, 224, 321, 322 and at least one of the advanced courses; Physics 221, 222; Mathematics 221, 222; German 103, 104. Two years of French, and a second course in Physics are highly recommended.

## Non-Professional Major

Requirements: Chemistry 141, 142, 211, 212, 221, 222, 223, 224. Other courses, best suiting the needs of the student, should be selected in consultation with the head of the department.

## 121e, 122. INTRODUCTION TO CHEMICAL SCIENCE

A study of some of the fundamental principles of chemistry and their relation to other sciences. The material covered illustrates the scientific method and indicates some of the contributions of chemistry to the present world. A course for non-science students.

*Mr. Reid*

## 141, 142. GENERAL CHEMISTRY

The important theories and concepts of chemistry are developed in detail, together with the history, occurrence, distribution, preparation and properties of the important elements and their compounds. The laboratory work is mainly devoted to semimicro qualitative analysis.

Prerequisite: standing not higher than junior; 141 is prerequisite for 142.

*Instructor*

## 211. QUALITATIVE ANALYSIS

The reactions and detection of the metallic and non-metallic ions and radicals, based upon the theory of ionization and mass action. The laboratory work is performed on the semimicro scale. Offered for the last time in 1955-1956.

Prerequisite: Chemistry 141, 142.

*Instructor*

## 212. CHEMICAL PRINCIPLES

A survey of the theories and principles involved in chemical change, approached from the quantitative point of view. The laboratory work includes physical chemical determinations.

Prerequisite: Chemistry 211.

*Instructor*

## 221, 222. QUANTITATIVE ANALYSIS

A theoretical and practical course in the fundamentals of gravimetric and volumetric methods of analysis. In the laboratory emphasis is placed upon the acquisition of efficient and accurate manipulative skills. Lecture work is devoted to the study of principles underlying chemical analysis, the literature of analytical chemistry, precision and sources of error. A minimum of six hours per week of laboratory work is required of chemistry majors.

Prerequisite: Chemistry 211.

*Mr. Ray*

## 223e, 224. ORGANIC CHEMISTRY

A survey of the chemistry of aliphatic, aromatic and heterocyclic compounds from the point of view of synthesis, structure, properties and uses. Four semester hours of credit per semester.

Prerequisite: Chemistry 141, 142; 223 is prerequisite for 224.

*Mr. Reid*

## 321, 322. PHYSICAL CHEMISTRY

A study of the laws governing the physical and chemical behavior of substances, including the theories and methods of physical chemistry. Special emphasis is given to the application of physical chemical principles to the solution of problems.

Prerequisite: Chemistry 211, 221, 222. Mathematics 221, 222  
Physics 221, 222.

*Mr. Ray*

## 421, 422. ADVANCED ANALYTICAL CHEMISTRY

Instrumental analytical chemistry, affording theoretical and practical instruction in the use of special instrumental methods, such as colorimetric, conductometric, amperometric, photometric, potentiometric, gas-volumetric, and others.

*Mr. Ray*

## 441, 442. ADVANCED PHYSICAL CHEMISTRY

Important topics in physical chemistry are discussed from rigorous points of view. The material covered can be varied to suit the needs and interests of the student, and may include extended treatment of surface chemistry, chemical kinetics, thermodynamics etc. Laboratory work is adapted to the nature of the course, and may involve projects of a semi-research nature.

*Mr. Ray*

## 461, 462. ADVANCED ORGANIC CHEMISTRY

The chemistry of alicyclic and heterocyclic compounds is considered from the point of view of mechanism of reaction, and includes

synthesis, structural determination of natural products, molecular rearrangements. Laboratory for the first semester consists of qualitative organic analysis; for the second semester, individual semi-research projects.

*Mr. Reid*

#### 481, 482. ADVANCED INORGANIC CHEMISTRY

Modern theories and concepts of atomic and molecular structure, with appropriate descriptive and synthetic laboratory work.

*Instructor*

All advanced courses meet for two hours of lecture and a minimum of four hours of laboratory work per week. In addition, conferences and extra readings are required. The chemistry major should regard the advanced courses not only as opportunities for consolidating his undergraduate training, but also for gaining a fore-taste of the intellectual climate common in industrial research laboratories and chemistry graduate schools.

All advanced courses have as prerequisites Chemistry 141, 142, 211, 221, 222, 223, 224, 321, 322. Note that 421, 422 and 441, 442 are given in alternate years.

### GEOLOGY AND GEOGRAPHY

*Professor Koons, Associate Professor Osberg, and Mrs. Randall*

Major requirements: Geology 101, 102; 211; 311, 312; 411; 441; 432; 452; Biology 253; Mathematics 123, 124; one year college Chemistry. Students planning on professional work should remember that graduate schools require a reading knowledge of French and German of all candidates for the Doctorate.

### GEOLOGY

#### 101, 102. PHYSICAL AND HISTORICAL GEOLOGY

The topographic forms of the earth's surface, and the agencies which produce them; an introduction to weather and climate; the physiography of the United States; the record of life in the geologic past. Local field trips.

*Mr. Koons*

#### 211. GEOMORPHOLOGY AND MAP INTERPRETATION

Systematic study of the origin, history, and classification of landforms, based on study of the topographic maps of the United States; introduction to dynamic and quantitative geomorphology.

Prerequisite: Geology 101, 102.

*Mr. Koons*

## 311. DESCRIPTIVE MINERALOGY

Description of the crystallography, physical properties, and chemical structure of minerals.

Prerequisite: Geology 101, 102; one year college chemistry.

*Mr. Osberg*

## 312. OPTICAL MINERALOGY

Study of the optical properties of crystals; technique of determination of minerals using the polarizing microscope.

Prerequisite: Geology 321.

*Mr. Osberg*

411. PETROLOGY OF THE IGNEOUS, METAMORPHIC, AND  
SEDIMENTARY ROCKS

Optical study of the Igneous, Metamorphic, and Sedimentary rocks and their origin, structure, and composition.

Prerequisite: Geology 322; Mathematics 123, 124.

*Mr. Osberg*

## 432. STRUCTURAL GEOLOGY

Analysis of rock structures and their significance; field methods of structural mapping.

Prerequisite: Geology 211; 411.

*Mr. Osberg*

## 441. SEMINAR IN GEOLOGY

Study of the current literature in Geology; written reports and discussions.

Prerequisite: Geology 322.

*Messrs. Koons and Osberg*

## 452. STRATIGRAPHY

Study of sedimentary rocks and their history; development of the North American continent; index fossils and their significance.

Prerequisite: Geology 411; Biology 253.

*Mr. Koons*

## 461, 462. SPECIAL PROBLEMS IN GEOLOGY

Field and Laboratory problems in Geology, with regular reports and discussions, and a final report.

Prerequisite: Geology 411, and permission.

*Messrs. Koons and Osberg*

## GEOGRAPHY

## [111. METEOROLOGY]

Study of the physical properties of the atmosphere; the origin and classification of weather types; air mass analysis and principles of prediction.

## [112. CLIMATOLOGY]

Study of the climatic zones of the world, their origin, classification, and significance in the environment.

## [221, 222. GEOGRAPHIC REGIONS OF THE WORLD]

Study of the geographic regions of the world, as defined by climate, soil, and topography. Impact of the environment on man, and his adaptations.

## 231. GEOGRAPHY OF EUROPE

The geographical framework of Europe; environmental zones and man's adaptations to them; the political and economic consequences of geography.

Prerequisite: Geology 101, taken or elected concurrently, or Air Science 122. *Mrs. Randall*

## 232. GEOGRAPHY OF ASIA

The geographic framework of Asia; environmental zones and man's adaptations to them; the political and economic consequences of geography.

Prerequisite: Geology 101, or Air Science 122. *Mrs. Randall*

## [233. PRINCIPLES OF ECONOMIC GEOGRAPHY]

The distribution, exploitation, and conservation of natural resources, and their influence on national economic policies.

334. PRINCIPLES OF POLITICAL GEOGRAPHY  
(Also listed as Air Science 422)

Geographic factors in politics, including natural resources, transportation, access to the sea, climate, and topography, and their influence on national and international policy.

Prerequisite: Junior standing, and permission. *Capt. Randall*

## MATHEMATICS

*Professor Combellack; Associate Professor Pinette;  
Instructor*

Major requirements: Mathematics 123, 124, 221, 222, 321, 322, 341, 342, 361, 362, 421, 422. Mathematics 381 may be substituted for 322 by permission. Mathematics 125, 126 is a substitute for 123, 124, 221, 222. Courses used in computing the 70 average: all mathematics courses.

### 121, 122. BASIC COLLEGE MATHEMATICS

Intermediate and college algebra, elements of plane trigonometry, introduction to plane analytic geometry. Students who elect this course and wish to elect further courses in mathematics must consult the Head of the Department.

Prerequisite: one year or a year and a half of high school algebra and one year of plane geometry; 121 is prerequisite for 122. Students who have passed two years of high school algebra are not eligible to elect this course.  
*Mr. Combellack*

### 123, 124. ELEMENTARY FUNCTIONS

College algebra, plane trigonometry, plane analytic geometry, and introduction to calculus.

Prerequisite: a year and a half or two years of high school algebra and one year of plane geometry; 123 is prerequisite for 124.

Students who have passed 121 are not allowed credit for 123.

*Staff*

### 125, 126. ELEMENTARY ANALYSIS

Plane analytic geometry, elementary differential and integral calculus. This course is a substitute for 123, 124, 221, 222.

Prerequisite: a year and a half or two years of high school algebra and one year of plane geometry; 125 is prerequisite for 126. Limited to students selected by the department.  
*Miss Pinette*

### 221, 222. ELEMENTARY DIFFERENTIAL AND INTEGRAL CALCULUS

Differentiation of functions; maxima and minima; related rates; velocity and acceleration; parametric and polar equations; partial derivatives; total differential; methods of integration with applica-

tions to geometry, physics, and mechanics, using rectangular and polar coordinates.

Prerequisite: Mathematics 123, 124; 221 is prerequisite for 222.

*Miss Pinette and Instructor*

### 321, 322. DIFFERENTIAL EQUATIONS AND INTRODUCTORY APPLIED MATHEMATICS

Solutions of elementary differential equations, followed by an introduction to selected topics in applied mathematics such as solutions of differential equations by means of infinite series, Bessel Functions, Fourier Series, and vector analysis.

Prerequisite: Mathematics 221, 222; 321 is prerequisite for 322.

*Mr. Combellack*

### \* 341, 342. GEOMETRY

Analytic geometry of two and three dimensions; projective geometry.

Prerequisite: Mathematics 221, 222; 341 is prerequisite for 342.

*Miss Pinette*

### † [361, 362. ADVANCED AND HIGHER ALGEBRA]

Theory of equations; determinants; matrices; the concept of a group, a ring, and a field; linear transformations; bilinear, quadratic, and Hermitian forms.

Prerequisite: Mathematics 221, 222; 361 is prerequisite for 362.

### ‡ [381, 382. INTRODUCTION TO MATHEMATICAL STATISTICS]

Elementary probability theory; large-sample theory; small-sample theory; maximum likelihood estimates; confidence intervals; regression; correlation; statistical design.

Prerequisite: Mathematics 221, 222; 381 is prerequisite for 382.

### 421, 422. ADVANCED CALCULUS

The more advanced topics of calculus, including detailed study of continuity and related topics, hyperbolic functions, maxima and minima in three dimensions, Jacobians, curvilinear coordinates, line and surface integrals, infinite series, special definite and improper integrals, Beta Function, Gamma Function, complex variable, and elliptic functions and integrals.

Prerequisite: Mathematics 321; 421 is prerequisite for 422.

*Mr. Combellack*



## [441, 442. SPECIAL TOPICS]

Content varied to meet the needs and interests of individual students; such topics as theory of functions of a real or complex variable, theory of numbers, theory of groups.

Prerequisite: Mathematics 321, 322, or by permission.

**PHYSICS**

*Professor Brown, Mr. Herschman, and Instructor*

Students expecting to major in physics should consult with a member of the Department as early as possible particularly if preparing for graduate study.

Major requirements: Physics 221, 222, 311, 312, 313, 314; Mathematics 123, 124 or equivalent; 221, 222; Chemistry 141, 142. Courses used in computing the 70 average; Mathematics 123, 124 and all physics courses.

## 121, 122. ELEMENTARY PHYSICS

A survey of the basic phenomena of mechanics, heat, sound, electricity, light, and selected topics in modern physics. Four semester hours credit per semester.

Prerequisite: 121 is prerequisite for 122.

*Mr. Herschman and Staff*

## 221e, 222. COLLEGE PHYSICS

A quantitative study of mechanics, heat, sound, electricity, light, and modern physics, recommended for science majors. Four semester hours per semester.

Prerequisite: Mathematics 221, 222 (either passed or elected concurrently).

*Mr. Brown*

## 311. ADVANCED PHYSICS I

Statics, kinematics, dynamics, hydrodynamics and sound.

Prerequisite: Physics 221, 222; Mathematics 123, 124; 221, 222. Physics 313 must be taken concurrently.

*Mr. Herschman*

## 313. ADVANCED PHYSICS II

A study of heat phenomena, elementary thermodynamics, and principles of direct current.

Prerequisite: Physics 311 concurrently.

*Mr. Brown*

## 312. ADVANCED PHYSICS III

The continuation of the study of direct current and fundamentals of alternating current.

Prerequisite: Physics 311, 313; 314 must be taken concurrently.  
*Mr. Brown*

## 314. ADVANCED PHYSICS IV

Principles of geometrical and physical optics and selected topics in modern physics.

Prerequisite: Physics 311, 313; 312 must be taken concurrently.  
*Mr. Herschman*

## 321, 322. ELECTRONICS

An introduction to theoretical and experimental electronics with its application to vacuum tubes, instruments and apparatus.

Prerequisite: Mathematics 221, 222 and Physics 221, 222.  
*Mr. Brown*

## † [331. TEACHINGS OF SCIENCE IN THE SECONDARY SCHOOL]

Consideration of special problems in the teaching of science usually untouched in science and education courses. Although physics is considered particularly, material is sufficiently general to apply to the teaching of any science course.

Topics include: periodical literature, visual aid, selection of textbooks, application of unit method, integration of class and laboratory, budget and inventory.

Prerequisite: Two semester courses in physics, two additional semesters of laboratory science, and an education course taken previously or concurrently.  
*Mr. Brown*

## † [411. NUCLEAR RADIATION PHYSICS]

The fundamentals of nuclear physics and the measurement of nuclear radiation. Applications to radioactive tracer techniques and health physics.

Prerequisite: Physics 314.  
*Mr. Herschman*

## \* 412. MATHEMATICAL PHYSICS

Application of mathematics to classical physics. Special emphasis on mathematical formulation of problems and physical significance of results.

Prerequisites: Physics 313, 314; Mathematics 322.  
*Mr. Herschman*

## 421, 422. SPECIAL TOPICS

Research problems to meet the needs and interests of individual students.

Prerequisite: Senior standing and permission of Staff instructor.  
Staff

## DIVISION OF AIR SCIENCE

*Professor Christie (Lt. Col.); Assistant Professors Dole (Maj.),  
Bennett (Capt.), Dietz (Capt.),  
Randall (Capt.)*

## 121, 122. AIR SCIENCE I

A course designed to acquaint the student with: the details of the AFROTC program; the moral and statutory obligations for military service; the fundamentals of global geography; international tensions and security organizations; the defense organization of the United States; introduction to aviation.

Leadership laboratory includes instruction in wearing of the uniform, military courtesy and basic drill with limited leadership exercises.

## 221, 222. AIR SCIENCE II

The purpose, processes and primary elements of aerial warfare are explained to demonstrate the utilization of air force. Types of targets, weapons best suited for each, delivery aircraft, the air ocean in which they fly, launching bases, and the operational techniques employed are correlated.

An explanation of Air Force career fields.

Leadership laboratory is a continuation of AS I with emphasis on non-commissioned officer training.

Prerequisite: Air Science 121, 122 or equivalent. *Capt. Dietz*

## 321, 322. AIR SCIENCE III

Command and Staff concepts; problem solving techniques; communicating and instructing in the Air Force; the military justice system; functions of an Air Force base; and applied air science, including weather and navigation.

Leadership laboratory – progression to training as a junior cadet officer with more responsibility and authority in the Cadet Corps.

Prerequisites: Air Science 221, 222 or equivalent.

*Maj. Dole; Capt. Bennett*

#### 421, 422. AIR SCIENCE IV

The principles of leadership and management; the military aspects of world political geography; military aviation and the evolution of warfare; career guidance; briefing for commissioned service.

Leadership laboratory – final phase of leadership training. Cadets assigned responsibilities and authority to operate the cadet corps under the supervision of the professor of air science and military faculty.

Prerequisites: Air Science 321, 222 or equivalent.

*Capt. Randall; Capt. Bennett*

### DIVISION OF HEALTH AND PHYSICAL EDUCATION

*Chairman, PROFESSOR LOEBS*

*Associate Professor Loeb; Assistant Professors Marchant, Maze and Williams; Messrs. Cuddeback, Tryens, Winkin, and Miss D'Amelio; Drs. Dore and Reynolds*

The aim of this Division is to stimulate an interest and to develop skills in a wide variety of individual and team games, encourage participation in intramural and intercollegiate athletics, and to stress in the required physical activities program those games and sports that have a carry-over value in post graduate days. Physical Education is required of all freshmen and sophomores for graduation, since it is felt to be an integral element of the liberal arts college curriculum. All participation in this Division is subject to the approval of the College Physician and his staff.

#### PHYSICAL EDUCATION FOR MEN

The Physical Education program for men is divided into four major components; instructional required activity classes, intramural sports, intercollegiate athletics (varsity and freshmen teams) and informal recreational activities.

Physical Education 1, 2. Instruction and supervised competition in seasonal sports during the year. (Required of all freshmen)

Physical Education 3, 4. Instruction and supervised competition in seasonal sports during the year. (Required of all sophomores)

A semester's work failed in the first two years must be repeated in the junior year. Participation on varsity or freshmen athletic teams may be substituted for the physical education section assignments within the season or seasons during the freshmen and sophomore years. Selection of the regular class sections must be made at the time of the regular academic course elections. A prescribed uniform is required for all physical education activity classes. Lockers and towels are provided to all students enrolled in the program.

The Intramural Athletic Council, composed of one representative from each participating unit, promotes general participation in athletics for all men students. Schedules are arranged in a wide variety of outdoor and indoor sports, and every student is free to engage in the activities of his choice. An all year round point system enables each competing unit to develop a continuity of participation. Competition is organized in touch football, soccer, basketball, bowling, volleyball, winter sports, rifle shooting, track, softball and tennis. As new interests develop, and facilities made available the program of intramural athletics will be increased.

The Intercollegiate Athletic contests are under the special supervision of the Director of Intercollegiate Athletics. Advisory control of all intercollegiate athletic interests of the college is exercised by the Council on Intercollegiate Athletics composed of three members of the faculty and three members of the alumni council. The rules that govern all intercollegiate sports are those adopted by the various athletic conferences in which Colby holds membership.

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

Colby sponsors a full program of intercollegiate athletics with colleges of similar size and standards, with competition in the following sports: Football, Hockey, Baseball, Basketball, Track and Field Athletics, Winter Sports, Tennis and Golf. Colby, Bowdoin, Bates and the University of Maine form what is historically known as "The Maine State Series" and is one of the most exciting, stimulating and healthiest series of intercollegiate athletic competition in the nation.

#### PHYSICAL EDUCATION FOR WOMEN

All freshmen and sophomores are required to attend three classes each week in Physical Education. Each student may select her ac-

tivities after she has included the departmental requirement of a team sport, an individual sport, and dance.

Juniors and seniors may participate in all physical education activities for credit in the Women's Athletic Association.

All participation is subject to the approval of the College Physician

Fall Season activities: archery, field hockey, and tennis; Winter Season: badminton, basketball, body mechanics, dance, varied sports, volleyball, tournaments and winter sports; Spring Season: archery, golf, softball, and tennis.

### PROFESSIONAL HEALTH AND PHYSICAL EDUCATION

The Department offers professional training to those students who are interested in preparing for positions as teacher-coach or Physical Education instructor in public and private schools. The courses not only embody training in the coaching of athletic sports but also emphasize training in Health and Physical Education for students who are interested in entering the field of teacher-coach.

#### 311. THE ORGANIZATION AND TEACHING OF HEALTH AND PHYSICAL EDUCATION ACTIVITIES

The practice and theory of those activities included in the program of health service, health instruction, intramural athletics, and physical education in the modern school program.

Prerequisite: special permission. *Mr. Loeb and Miss Marchant*

#### 312. THE ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

Administrative policies, practices, teaching methods, and standards pertaining to the execution of a modern program of athletics, physical education, and recreation in the public schools.

Prerequisite: special permission. *Mr. Loeb and Miss Marchant*

Note: Women's section of 311 and 312 offered in 1955-56 and alternate years only.

## PREPARATION FOR GRADUATE AND PROFESSIONAL SCHOOLS

### GRADUATE SCHOOLS OF ART AND SCIENCE

Competent graduates of Colby are regularly encouraged to enter graduate school for pursuance of advanced degrees. The Dean of the Faculty is the general adviser for all graduate work, and members of the faculty are always ready to guide students in the choice of graduate courses in particular fields. All seniors who have any intention of possibly attending a graduate school of arts and sciences should take the Graduate Record Examination, for which the Educational Testing Service has named Colby as one of the examination centers. There are three annual administrations of this examination, in October, February and May. The May administration is too late for many graduate schools. Colby seniors are advised to take the examination in February.

### GRADUATE SCHOOLS OF EDUCATION

An increasing number of Colby seniors intent on teaching seek admission to a graduate school of Education, to secure the Master of Education degree, a valuable asset, and in some states a necessity, for securing a teaching position in secondary school. Colby is one of a select list of liberal arts colleges approved by the Harvard Graduate School of Education for an exceptionally attractive program of preparation for preferred positions in teaching. Colby graduates also enter the graduate schools of Education to become candidates for the doctorate in Educational Administration. Concerning the graduate schools of Education students should seek advice from the staff of the Colby Department of Education and Psychology.

### GRADUATE SCHOOLS OF COMMERCE AND BUSINESS ADMINISTRATION

The valuable training for rewarding positions in business and industry which is offered by such post-graduate institutions as the Harvard Graduate School of Business Administration, the Wharton School of the University of Pennsylvania, and the Amos Tuck School of Dartmouth College, leads many Colby graduates to seek admission into these and similar schools. In 1954 a graduate examination was introduced for entrance into these schools. Called the Test for Graduate Schools of Business, it is administered at Colby. For advice about graduate work in business, the student should consult members of the Colby Department of Business Administration.

## ENGINEERING: THE THREE-TWO PLAN

Colby College cooperates with the Carnegie Institute of Technology in what is known as the three-two plan of engineering education. Under this plan a student attends Colby for three years in liberal arts, then spends two years at Carnegie in a chosen branch of engineering. Upon successful completion of the five-year program the student receives the liberal arts degree from Colby and the engineering degree from Carnegie.

During the three years at Colby the engineering student must secure competent mastery of the necessary mathematics and science to assure success with the two years of intensive engineering training at Carnegie. In his Colby program, however, there is plenty of room for broad distribution in the humanities and the social studies.

The Colby part of this cooperative plan is in charge of a committee composed of the Dean of the Faculty, the Dean of Men and representatives of the departments of Mathematics, Physics, and Chemistry.

## MEDICINE

The pre-medical student is free to major in any subject of his choice. The medical schools do not require a major in any one subject or any combination of subjects. They merely require general high standing and the inclusion in the student's college program of biology, chemistry, physics, English, and foreign languages. The amount of work demanded in each of these subjects differs with different medical schools, but all require organic chemistry in addition to a year of general chemistry. Some schools require vertebrate anatomy and all schools prefer it.

The Pre-Medical Committee at Colby will help each candidate to prepare for all medical schools to which he may wish to apply. Admission to medical school is so highly competitive that it is frequently necessary for a candidate to apply to several schools.

It is strongly urged that pre-medical students take college courses in mathematics through the first year of calculus. Many medical schools place high reliance upon the marks in calculus in their selection of competitive applicants.

In the college year preceding entrance into medical school the applicant must take the Medical College Admission Test.

This test, administered twice a year, in November and May, should surely be taken in November by applicants who wish to enter medical school in the following autumn, because the fall class in many schools is selected prior to the May administration of the test. The Medical College Admission Test is supervised by the Educa-



tional Testing Service. It is administered at Colby provided there is a sufficient number of candidates; otherwise a Colby student takes it at another near-by center.

#### DENTISTRY

Although some of the dental schools admit applicants who have completed three years, and sometimes only two years, of college work, the leading schools prefer applicants who hold the college degree. As in medicine, there is no demand for a particular major. Each applicant, regardless of his major must meet the specific requirements in biology, chemistry, physics, and English, which differ in quantity with different dental schools.

The Pre-Medical Committee is advisory to candidates for dentistry as well as to those for medicine.

Testing for admission to dental schools is new. The American Dental Association began a testing program in 1950, setting up testing centers, not at the colleges, but in various cities, and fixing the testing dates in the Thanksgiving recess, the Christmas recess, and the spring recess period. Since those dates vary among the colleges, it is hoped that the Dental Association will soon decide to use the facilities of the Educational Testing Service and have the test given on the college campuses.

#### LAW

No specific subject is required for admission into any school of law. The pre-law student is therefore free not only to major in any field of his choice; he is also free to take any subject he pleases during his college course.

Law schools vary widely in their standards of admission. Since nearly every state in the Union now requires two years of college work for all who take the bar examination, regardless of training in law school or elsewhere, the minimum requirement for entrance into any reputable school of law is the completion of two years of college. The leading schools of greatest prestige require a college degree for admission; another group requires three years of college work. Each applicant should therefore determine the exact requirements laid down by the law school of his choice.

During the college year before he intends to enter law school, the candidate must take the Law School Admission Test, administered at Colby under direction of the Dean of the Faculty on specified dates.

## NURSING

Under the direction of the Dean of Women, students interested in preparing for a collegiate school of nursing may arrange an appropriate program of study. The pre-nursing curriculum follows the requirements of leading graduate schools of nursing, such as those at Yale and Cornell.

It is recommended by such schools that the applicant's preparation include a sound background in history, psychology, and other social sciences, as well as in literature, English expression, and foreign languages. The specific requirements include Chemistry, Biology, and Psychology.

# DIRECTORIES



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COMMITTEES OF THE BOARD  
THE FACULTY  
OFFICERS  
A.F.R.O.T.C.  
STAFF  
DEGREES  
THE STUDENTS

# Directories

## THE CORPORATION

CORPORATE NAME: The President and Trustees of Colby College

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Waterville, Maine

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*Former Dean, Stevens Institute of Technology*

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*President, Nicolet Asbestos Mines, Ltd., Lawyer*
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- DORIS HARDY HAWHEELI (Mrs.), A.B., (Al. 1955) Worcester, Mass.
- FREDERICK THAYER HILL, M.D., Sc.D., (1955) Waterville, Maine  
*Surgeon*
- RUTH RICH HUTCHINS (Mrs.), A.B., (1957) Bangor, Maine
- ELLERTON MARCEL JETTE, (1956) Waterville, Maine  
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*Vice-President, Maine Savings Bank*
- NEIL LEONARD, LL.B., (1956) Boston, Mass.  
*Lawyer, Bingham, Dana and Gould*
- MATTHEW TAYLOR MELLON, Ph.D., Litt.D., (1956) Pittsburgh, Pa.  
*Former Lecturer, University of Freiburg*
- NEWTON LEROY NOURSE, B.S., (1955) Portland, Maine  
*Sales Manager, The Brown Company*
- NATHAN RUSSELL PATTERSON, B.S., (1957) Tulsa, Okla.  
*President, Patterson Steel Company*
- FREDERICK ALBERT POTTLE, Ph.D., Litt.D., (1956) New Haven, Conn.  
*Professor, Yale University*
- ALICE LINSCOTT ROBERTS (Mrs.), A.B., (Al. 1957) South Portland, Maine
- NINETTA MAY RUNNALS, M.A., Litt.D., (Al. 1956) Dover-Foxcroft, Maine  
*Former Dean of Women, Colby College*
- SUMNER SEWALL, LL.D., (1957) Bath, Maine  
*Former Governor of Maine*
- RAYMOND PATON SLOAN, L.H.D., (1955) New York, N. Y.  
*Editor, The Modern Hospital*



FINANCIAL AID: President Bixler, Chairman Leonard, Deans Tompkins and Nickerson, Treasurer Seepe, Director of Admissions Bryan, Professors Bither and Biron.

HONORARY DEGREES: Messrs. Sewall, Hill, and Pottle

INSTRUCTION: President Bixler, Misses Dunn and Runnals, Messrs. Camp, Pottle, Mellon, and Sloan

INVESTMENT: Messrs. Jette, Drummond, and Sturtevant

NOMINATIONS: Messrs. Johnson, Lawrence, and Sturtevant

## FACULTY 1954-55

In parenthesis after each active name are listed the colleges from which earned degrees have been received.

JULIUS SEELYE BIXLER, Ph.D., D.D., L.H.D., LL.D., D.C.L. (Amherst, Yale) Professor of Philosophy. President.  
Mayflower Hill

FRANKLIN WINSLOW JOHNSON, M.A., L.H.D., LL.D., D.C.L., President-Emeritus.  
Mayflower Hill Drive

CLARENCE HAYWARD WHITE, M.A., Litt.D., Professor-Emeritus of Greek.  
40 Burleigh Street

GEORGE FREEMAN PARMENTER, Ph.D., Sc.D., Professor-Emeritus of Chemistry.  
7 Sheldon Place

WEBSTER CHESTER, M.A., Sc.D., Professor-Emeritus of Biology  
56 Burleigh Street

THOMAS BRYCE ASHCRAFT, Ph.D., Professor-Emeritus of Mathematics.  
34 Pleasant Street

NINETTA MAY RUNNALS, M.A., Litt.D., Professor-Emeritus of Education and Mathematics.  
46 Lawrence Street, Dover-Foxcroft

WILBERT LESTER CARR, M.A., LL.D., Professor-Emeritus of Latin  
Lexington, Kentucky

CURTIS HUGH MORROW, Ph.D., Professor-Emeritus of Economics and  
Sociology.  
3 West Court

LUELLA FREDERICKA NORWOOD, Ph.D., Professor-Emeritus of English  
106 Morningside Drive, New York 27, N. Y.

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

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ERNEST CUMMINGS MARRINER, M.A., L.H.D. (Colby), Professor of  
English. Dean of the Faculty.  
17 Winter Street

CARL JEFFERSON WEBER, M.A. (Oxon), Litt.D. (Johns Hopkins, Ox-  
ford), Roberts Professor of English Literature. Curator of Rare  
Books and Manuscripts.  
42 Burleigh Street

EDWARD JOSEPH COLGAN, M.A. (Harvard), Professor of Education  
and Psychology.  
11 Gilman Street

ARTHUR GALEN EUSTIS, M.B.A. (Colby, Harvard), Wadsworth Pro-  
fessor of Business Administration. Vice President.  
Mayflower Hill Drive

JOHN FRANKLIN MCCOY, M.A. (Princeton, Harvard), Professor of  
Modern Languages. Director of Schedule. Director of the Sum-  
mer School of Languages.  
36 Morrill Avenue

<sup>2</sup>WALTER NELSON BRECKENRIDGE, M.A. (Tufts), Professor of Eco-  
nomics.  
65A Elm Street

JAMES HUMPHRY, III, B.A., B.S. in L.S. (Harvard, Columbia),  
Professor of Bibliography. Librarian.  
First Rangeway

<sup>2</sup>On leave second semester, 1954-55.



SHERWOOD FISKE BROWN, M.S. (Massachusetts Institute of Technology), Professor of Physics.  
27 Johnson Heights

WILFRED JAMES COMBELLACK, Ph.D. (Colby, Boston University), Professor of Mathematics.  
49 Silver Street

<sup>1</sup>PAUL ADRIAN FULLAM, M.A. (Harvard), Professor of History.  
River Road

DONALDSON KOONS, Ph.D. (Columbia), Professor of Geology.  
1 Essex Road

ALLAN CHARLES SCOTT, Ph.D. (Clark, Pittsburgh, Columbia), Professor of Biology.  
7 Marston Court

C. PHILIP CHRISTIE, B.A. (Williams) (Lt. Col. USAF), Professor of Air Science.  
53 Johnson Heights

ALFRED KING CHAPMAN, M.A. (Colby, Harvard), Professor of English. Secretary of the Faculty.  
28 Pleasant Street

\*JOHN ALDEN CLARK, Ph.D. (Amherst, Harvard), Professor of Philosophy.  
24 Morrill Avenue

\*ERMANNIO F. COMPARETTI, Ph.D. (Cornell), Professor of Music.  
38 Morrill Avenue

JAMES MORTON CARPENTER, Ph.D. (Harvard), Professor of Fine Arts.  
1 Edgewood Street

EVANS BURTON REID, Ph.D. (McGill), Merri!! Professor of Chemistry.  
River Road

EVERETT FISK STRONG, B.A. (Wesleyan), Associate Professor of Modern Languages.  
2 Elm Street

<sup>1</sup>On leave first semester, 1954-55.

\*On leave 1954-55.

CECIL AUGUSTUS ROLLINS, M.A. (Colby, Harvard), Associate Professor of Speech in the Department of English.  
3 First Rangeway

GILBERT FREDERICK LOEBS, M.A. (Springfield, Pittsburgh, Columbia), Associate Professor of Health and Physical Education. Director of Health Service.  
43 Burleigh Street

ELLSWORTH WILLIS MILLETT, M.A. (Colby, Columbia), Associate Professor of Health and Physical Education. Alumni Secretary.  
16 Dalton Street

GORDON WINSLOW SMITH, M.A. (Boston University, Harvard), Associate Professor of Modern Languages.  
56 Burleigh Street

ARTHUR WILLIAM SEEPE, M.C.S. (Dartmouth, Amos Tuck), Associate Professor of Business Administration. Treasurer.  
Taylor Avenue

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

WENDELL AUGUSTUS RAY, Ph.D. (Bates, Harvard), Associate Professor of Chemistry.  
Elmwood Hotel

NORMAN SWASEY SMITH, Ed.M. (Tufts, Harvard), Associate Professor of Education.  
4½ West Street

GEORGE THOMAS NICKERSON, M.A. (Colby, New York University), Associate Professor of Education. Dean of Men.  
15 Johnson Heights

ROBERT WHITE PULLEN, Ph.D. (Colby, Massachusetts Institute of Technology), Associate Professor of Economics.  
11 Greenwood Street

CLIFFORD HAZELDINE OSBORNE, B.A., D.D. (London), Associate Professor of Religion. Chaplain.  
12 Johnson Heights

JOSEPH WARREN BISHOP, M.C.S. (Colby, Amos Tuck), Associate Professor of Business Administration.  
23 Pleasant Street

RICHARD KNOWLTON KELLENBERGER, Ph.D. (Oberlin, Princeton),  
Associate Professor of Modern Languages.  
313 North Main Street

FLORENCE PAULINE TOMPKINS, Ph.D. (Mount Holyoke, Fletcher),  
Associate Professor of History. Dean of Women  
36½ Burleigh Street

ROBERT LEE TERRY, Ph.D. (Earlham, Pennsylvania), Associate Pro-  
fessor of Biology.  
Mayflower Hill Drive

\*ALICE PATTEE COMPARETTI (Mrs. E. F.), Ph.D. (Rockford, Cor-  
nell), Associate Professor of English.  
38 Morrill Avenue

\*LUCILLE KATHRYN PINETTE, M.A. (Colby, Syracuse), Associate Pro-  
fessor of Mathematics.  
30 Pleasant Street

RALPH SAMUEL WILLIAMS, M.B.A. (Colby, New York University),  
Associate Professor of Business Administration. Assistant to the  
President.  
22 Pleasant Street

PHILIP HENRY OSBERG, Ph.D. (Dartmouth, Harvard), Associate Pro-  
fessor of Geology.  
9 Center Street

JANET MARCHANT, M.A. (Columbia), Assistant Professor of Health  
and Physical Education.  
2 Elm Street

LEON PALMER WILLIAMS, M.A. (Cortland Teachers, Columbia),  
Assistant Professor of Health and Physical Education. Director  
of Athletics.  
16 Dalton Street

HENRY OTTO SCHMIDT, M.A. (Ursinus, Pennsylvania), Assistant  
Professor of Modern Languages.  
20 College Avenue.

FLORENCE ELIZABETH LIBBEY, B.A., B.S. in L.S. (Colby, Columbia),  
Assistant Professor of Bibliography. Assistant Librarian.  
45 Winter Street

\*On leave 1954-55.

KINGSLEY HARLOW BIRGE, Ph.D. (Dartmouth, Yale), Assistant Professor of Sociology.  
41 May Street

KEMP FREDERICK GILLUM, Ph.D. (Illinois, Wisconsin), Assistant Professor of History.  
9 Lawrence Street

JAMES MACKINNON GILLESPIE, M.A. (Harvard), Assistant Professor of Psychology.  
Chaplin Hall

FRANCIS ROYSTER BLISS, Ph.D. (Bowdoin, North Carolina), Assistant Professor of Classics.  
50 Boutelle Avenue

ROBERT MARK BENBOW, Ph.D. (University of Washington, Yale), Assistant Professor of English.  
24 Prospect Street

RICHARD CARLETON GILMAN, Ph.D. (Dartmouth, Boston University), Assistant Professor of Philosophy and Religion.  
R.F.D., Oakland

ANNA LOUISE DUNHAM, Ph.D. (Wellesley, Columbia, Cornell), Assistant Professor of Biology.  
Mayflower Hill

PETER JOSEPH RE, M.A. (Yale, Columbia), Assistant Professor of Music.  
R.F.D., 1, Belgrade

HAROLD BRADFORD RAYMOND, Ph.D. (Black Mountain, Harvard), Assistant Professor of History.  
Mayflower Hill

FRANK RICHARD MAZE, M.S. (Syracuse), Assistant Professor of Health and Physical Education. Director of Roberts Union.  
Mayflower Hill

CLIFFORD JOSEPH BERCHNEIDER, M.A. (Duquesne, Pittsburgh), Assistant Professor of History.  
Johnson Hall.

ARCHILLE HENRI BIRON, M.A. (Clark, Middlebury, Paris), Assistant Professor of Modern Languages.  
2 Elm Street.

FRANK WALDO LATHROP, Ph.D. (Yale, Cornell), Assistant Professor of Business Administration.  
28 Winter Street

FREDERICK CHESTER DIETZ, B.A. (Columbia) (Captain, USAF), Assistant Professor of Air Science.  
295 Main Street

JOHN HALE SUTHERLAND, Ph.D. (Swarthmore, Pennsylvania), Assistant Professor of English.  
276 Main Street

RICHARD CARY, Ph.D. (New York University, Cornell), Assistant Professor of English.  
31 Highland Avenue

HENRY HOLLAND, Ph.D. (Maine, Harvard, Madrid), Assistant Professor of Modern Languages.  
Averill Hall

WALTER HENRY ZUKOWSKI, M.A. (Clark), Assistant Professor of Business Administration.  
Mayflower Hill

BAIRD WOODRUFF WHITLOCK, Ph.D. (Rutgers, Edinburgh), Assistant Professor of Humanities.  
Mayflower Hill

WILLIAM ALEXANDER MACOMBER, B.A. (Colby), Assistant Professor of Education. Director of Adult Education and Extension.  
11 School Street, Augusta

GEORGE GORDON BENNETT, B.S. (New Hampshire), (Captain USAF) Assistant Professor of Air Science.  
62 Burleigh Street

LAWRENCE EDWARD RANDALL, M.A. (Boston University, Clark) (Captain, USAF), Assistant Professor of Air Science.  
282½ Main Street

FRANCIS STONE DOLE, B.S. (Maine) (Major USAF), Assistant Professor of Air Science.  
336 North Main Street

RICHARD CHARLES HARRIER, Ph.D., (Muhlenberg, Harvard), Instructor in English.  
29 Winter Street

ROBERT FRANCIS BARLOW, M.A. (Colby, Fletcher), Instructor in Economics.

53 Silver Street

JOHN FREDERICK CUDDEBACK, Ed.M. (Maine), Instructor in Health and Physical Education.

27 Winter Street

ANDREW LEON TRYENS, B.S. (Temple), Instructor in Health and Physical Education.

5 Burleigh Street

CARLIN THOMAS KINDILIEN, Ph.D. (Brown), Instructor in English.

9 Winter Street

WILLIAM MEYER MILTON, M.A. (Stanford, Harvard), Instructor in English.

34 May Street

WINTHROP WALKER PIPER, M.A. (Bowdoin, Columbia), Instructor in English.

Mayflower Hill

DENTON WINSLOW CROCKER, Ph.D. (Northeastern, Cornell), Instructor in Biology.

15 Roosevelt Avenue

RICHARD KENNETH PIVETZ, M.A. (Alfred, Buffalo), Instructor in Sociology.

21 Veterans Court

ARTHUR HERSCHMAN, Ph.D. (Brooklyn, Yale), Instructor in Physics.

Small Hall

URBAN CHESTER ULLMAN, M.A. (St. John's, Middlebury), Instructor in Modern Languages.

7 Taylor Avenue

FLOYD CELAND WITHAM, B.A. (Colby, Stanford), Instructor in Dramatics and Speech in the Department of English.

8 Elm Street

ALICE LORRAINE D'AMELIO, B.S. (Tufts), Instructor in Health and Physical Education.

Mayflower Hill

JOHN WORDE WINKIN, JR., M.A. (Duke, Columbia), Instructor in Health and Physical Education.

Robins Hall

PETER ROBINSON COFFIN, M.A. (Brown, Chicago), Instructor in  
Philosophy.  
24 Morrill Avenue

ANNE MARIE LANSBERRY (Mrs.), M.A. (Colby, Columbia), Instruc-  
tor in English.  
Mayflower Hill

JEAN ELLEN BREWER, M.A. (Colby, Harvard), Instructor in Mathe-  
matics.  
15 Winter Street

RAHIM MOJALLALI, M.Ed. (Tufts), Instructor in Mathematics.  
8 Silver Terrace

MAX GEORGE CIMBOLLEK, Instructor in Music.  
R.F.D., Oakland

JOHN EDWIN GILMORE, M.A. (Colby, Maine), Instructor in History  
27 Burleigh Street

JANIS DILLAHA, M.S. (Hendrix, University of Oklahoma) Instructor  
in Chemistry.  
12 Dalton Street

WILLIAM WEINER, M.A. (Texas), Instructor in Economics.  
18 Winter Street

MELVIN WALDFOGEL, M.A. (University of North Carolina, Har-  
vard), Visiting Instructor in Fine Arts.

---

WINTHROP HAMOR STANLEY, B.A., Assistant in Physics.

MURIEL BRIGGS AUSTIN (Mrs. Roland), B.A., Assistant in Geology.

#### COMMITTEES OF THE FACULTY

1954-1955

The first named member of each committee is its chairman. The President is  
ex-officio a member of all committees.

ADMINISTRATIVE: President Bixler; Vice-President Eustis; Deans  
Marriner, Nickerson, Tompkins; Assistant to the President Wil-  
liams; Professors Bishop and Scott

ATHLETICS: Professors Pullen, Biron, and Zukowski

BOOK OF THE YEAR: Professors Gillum, Sutherland, Barlow, Os-  
berg and Osborne

- BOOK STORE:** Professors Kellenberger, Gillum, Crocker, Sutherland, Bliss, and Seepe
- COMMENCEMENT:** Professors Loeb, Bishop, Millett, G. Smith, Pullen, and Bither; Messrs. Jennison, Turner, and Dyer; one senior man and one senior woman chosen by their class.
- CURRICULUM:** Professors Chapman, Colgan, Carpenter, Brown, R. Williams, Birge, Bither, Gilman, Raymond, and Osberg; Deans Marriner, Nickerson, and Tompkins
- ENGINEERING TRAINING:** Professors Combellack, Brown, Reid, and Ray; Deans Marriner and Nickerson
- EXAMINATIONS:** Professors McCoy, Koons, Rollins, Gillespie, Berschneider, Zukowski, and Cuddeback
- FORD SELF-STUDY PROJECT:** Dean Marriner, Professors Combellack, Fullam, Koons, Clark, A. Comparetti, R. Williams, G. Smith, Gilman, Lathrop, and Benbow
- FRESHMAN WEEK:** Mr. Bryan, Professors Seepe, McCoy, Osborne, Loeb, Cary, and Maze; Deans Nickerson and Tompkins; Mrs. Boynton, Mrs. Larsen, Miss Nichols, and Mr. Jennison
- GRADUATE SCHOLARSHIPS:** Dean Marriner, Professors Weber, Terry, McCoy, and N. Smith
- HONORARY DEGREES, ADVISORY:** Professors Weber, Bishop and Ray
- LIBRARY:** Professors Osborne, Harrier, Schmidt, Terry, Gillespie, and Humphry
- MEDICAL PREPARATION:** Professors Scott, Reid, Brown, and Dunham, with Deans Marriner, Nickerson and Tompkins as consultants
- REMEMBRANCE:** Professors Strong, Osborne, Re, and Libbey
- RHODES SCHOLARSHIPS:** Professors Carpenter, Reid, and Gilman
- SENIOR SCHOLARS:** Professors Bishop, Bither, Raymond, Osberg, Harrier, and Crocker
- STANDING OF STUDENTS:** Professors Strong, Breckenridge, Koons, and Loeb; Deans Marriner, Nickerson, and Tompkins; and Mrs. Larsen.
- SOCIAL:** Professors Marchant, Holland, Whitlock, Dietz, and Tryens



## OFFICERS AND ADMINISTRATIVE STAFF

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TREASURER, Arthur William Seepe, M.C.S.

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DEAN OF MEN, George Thomas Nickerson, M.A.

DEAN OF WOMEN, Florence Pauline Tompkins, Ph.D.

CHAPLAIN, Clifford Hazeldine Osborne, D.D.

LIBRARIAN, James Humphry III, B.S. in L.S.

CURATOR OF RARE BOOKS AND MANUSCRIPTS, Carl Jefferson, Litt.D.

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ASSISTANT TO THE PRESIDENT, FOR DEVELOPMENT, Edwin Allan Lightner, M.A.

DIRECTOR OF DEVELOPMENT, Edward Hill Turner, B.A.

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ALUMNI SECRETARY, Ellsworth Willis Millett, M.A.

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DIRECTOR OF SCHEDULE, John Franklin McCoy, M.A.

DIRECTOR OF WOMEN'S RESIDENCE, Eleanor Boynton (Mrs.)

DIRECTOR OF ROBERTS UNION, Frank Richard Maze, M.S.

DIRECTOR OF FOOD SERVICE, Helen Nichols, B.S.

MANAGER OF SUPPLY AND MIMEOGRAPH SERVICE, Mildred Wood Perkins (Mrs.)

MANAGER OF THE COLLEGE BOOKSTORE, Millard Everett Trott

## A.F.R.O.T.C.

Lt. Colonel C. Philip Christie, B.A.  
Major Francis Stone Dole, B.S.  
Captain George Gordon Bennett, B.S.  
Chaplain Frederick Chester Dietz, B.A.  
Captain Lawrence Edward Randall, M.A.  
M/Sgt. John Joseph Love, Jr.  
M/Sgt. Edward Joseph Cilley  
M/Sgt. Robert Joseph Hilbert  
S/Sgt. Vito Vincent Papasodora

## ASSISTANTS AND SECRETARIES

Priscilla Cram Allen (Mrs. Robert), Secretary to the Superintendent of Buildings  
Glenda Jay Ambrose, Secretary to Director of Food Service  
Marcia Dale Baldic, Secretary to the Treasurer  
M. Irene Boise, Secretary, Admissions Office  
Jane Louise Bowman (Mrs. Samuel), Secretary, Admissions Office  
Elma St. Clair Brindley (Mrs. Thomas), Secretary to the Dean of the Faculty  
Freda Marie Charles (Mrs. Howard), Assistant to the Director of Development  
Joyce Ann Clayton (Mrs. Robert), Secretary, Development Office  
Etta Celeste Ellis, Treasurer's Office Assistant  
C. Arthur Eddy, B.A., Assistant to the Director of Admissions  
Anna Sargent Flood (Mrs.), Assistant to the Director of Public Relations  
Phyllis St. Clair Fraser (Mrs.), B.A., Assistant to the Alumni Secretary  
Ruth Carolyn Gain (Mrs. Joseph), Secretary to the Vice-President  
Barbara Davis Hoel (Mrs.), Secretary, Admissions Office  
Gertrude Cook King (Mrs. Francis), Secretary, Placement Office

Helen Barbara Knight, Secretary, R.O.T.C. Office

Mabel Lancaster, Mailing Room Clerk

Malvina Libby (Mrs.), Information and Telephone Service

Barbara Ann Mailey (Mrs. Richard), B.A., Assistant to the Recorder

Glenna Belle Michaud (Mrs. Eloi), Secretary, Physical Education Office

Lena Proctor Mulkin (Mrs.), B.S., Treasurer's Office Assistant

Annette Cecilia Reynolds (Mrs. Lewis), Head Clerk, College Bookstore

Barbara Lillian Schmitt (Mrs. Albert), B.A., Secretary to the President

Cora Helen Sibley (Mrs.), Treasurer's Office Assistant

Jean Phyllis Strout, B.A., Secretary, Public Relations Office

Frances Elizabeth Thayer, B.A., Secretary to the Dean of Women

Eleanor Mae Vlass, Treasurer's Office Assistant

Andre Roland Warren, Assistant to Superintendent of Buildings & Grounds

Elizabeth Eleanor Warren (Mrs.), Secretary, Alumni Office

Christian Arlene Woodbury, Secretary to the Dean of Men.

#### LIBRARY STAFF

R. Webb Noyes, M.S., Head Cataloguer

Inez W. Noyes, (Mrs. R. Webb), B.A., Acting Assistant Cataloguer

Frances Elizabeth Diggs, Reference Assistant

Dorothea Elizabeth Marchetti, Circulation Assistant

Dula Margaret Fisher (Mrs. Albanie), Circulation Assistant

Earla Brown Robertson (Mrs. Floyd E.), Secretary

Janice Bickford Dorval (Mrs. Armand J.), Typist

Priscilla Witham Varney (Mrs. Laurice A.), Typist

Hope Richardson Webb (Mrs. Walter W.), Typist

## RESIDENCE STAFF

Clifford Joseph Berschneider, M.A., Head Resident, Johnson Hall  
 Jane Cameron (Mrs.), House Mother, A.T.O. Fraternity  
 James MacKinnon Gillespie, M.A., Head Resident, Chaplin Hall  
 Helen Louise Goodwin (Mrs.), House Mother, Zeta Psi Fraternity  
 Marian Ingalls Hague (Mrs.), B.A., House Mother, T.D.P. Fraternity  
 Arthur Herschman, Ph.D., Head Resident, Small Hall  
 Henry Holland, Ph.D., Head Resident, Averill Hall  
 Eva Macomber Kyes (Mrs.), B.A., Head Resident, Louise Coburn Hall  
 Laura Clement Miner (Mrs.), Head Resident, Foss Hall  
 Mildred Wilkins Russell (Mrs.), Head Resident, Woodman Hall  
 Dorothy Hubbard Sims (Mrs.), B.A., Head Resident, Mary Low Hall  
 Elizabeth Augusta Towle (Mrs.), House Mother, D.K.E. Fraternity  
 Marion D. Whitehead (Mrs.), House Mother, D.U. Fraternity  
 Hazel Rounds Whitmore (Mrs.), House Mother, P.D.T. Fraternity  
 John Worde Winkin, Jr., M.A., Head Resident, Robins Hall

## DIETARY STAFF

Lydia Briggs, B.S., Assistant Dietitian  
 Inza Taylor Foster (Mrs.), Relief and Catering Assistant  
 L. Muriel Tripp, B.S., Assistant Dietitian

## MEDICAL STAFF

Clarence E. Dore, M.D., Physician  
 John F. Reynolds, M.D., Consultant in Surgery  
 Susan Fortuine (Mrs.), R.N., Head Nurse  
 Nurses:  
 Madeline Emma Dunn (Mrs.), R.N.  
 Elva Kenney (Mrs.), R.N.  
 Rose Marie Ramsay, R.N.

## DEGREES AWARDED

## COMMENCEMENT

MONDAY, JUNE 14, 1954

## BACHELOR OF ARTS

## MEN'S DIVISION

Stanley Benson Abrams	Providence, R. I.
Herbert Richards Adams	W. Scarborough
John Maynard Alex	Skowhegan
Joseph Robert Alpert	Brewer
William Crowley Ames	Northampton, Mass.
Robert Mansfield Anderson	Groton, Mass.
Frederick George Ashman	Branford, Conn.
Clarence Atkins	Norwood, Mass.
Charles Putnam Barnes, II	Albany, N. Y.
George Foster Barry	W. Hartford, Conn.
Richard Eugene Beatty	Scituate, Mass.
Raymond John Billington	Fall River, Mass.
Emile Allan Caouette	Skowhegan
Albert Russell Case	Vergennes, Vt.
Lindon Edwin Christie, Jr.	E. Bridgewater, Mass.
Gerald Bruce Cowperthwaite	Winthrop
Warren Drake Crosby	Farmingdale
Robert Bruce Cross	No. Dartmouth, Mass.
Arthur Robert Cummings, Jr.	No. Anson
Henry George Cyr	Waterville
Ralph Edward Davis, III	Swampscott, Mass.
Thomas Phillip Davis	Ellsworth Falls
Karl Echart Decker	Brookline, Mass.
James Patrick Doherty	Lawrence, Mass.
Karl Dornish, Jr.	Plainville, Conn.
Stanley Arthur Doughty	West Paris
Benjamin Randall Duce	Damariscotta
Clifton Arthur Eddy	Gardner, Mass.
Edwin Roy Eisen	Brooklyn, N. Y.
Joel Farbish	Chelsea, Mass.
Alvan Field	Waterville
Robert Charles Fischer	Lawrence, N. Y.
Peter David Fishbin	Jamaica Estates, N. Y.
Richard Edmund Fornaciari	Framingham, Mass.
Jefferson Scott Foster	So. Portland
Robert Allen Frank	Brookline, Mass.
Robert Charles Fraser	Hull, Mass.
Edwin Lester Gammon	So. Paris
William Louis Ganem	Swampscott, Mass.

Lee Gropper	Croton-on-Hudson, N. Y.
Cornell MacDonald Grout	Irvington-on-Hudson, N. Y.
John Royal Hammond	Arlington, Mass.
Robert Hubbard Hawkins, III	White Plains, N. Y.
Timothy Michael Herlihy	Waterville
Douglas Carlton Howard	Newtonville, Mass.
Robert Kimball Howe	Montpelier, Vt.
Robert Frank Hudson	W. Haven, Conn.
Herbert Richard Huffman	Princeton, N. J.
Thomas Anthony Hunt	New Caanan, Conn.
Anthony Jabar	Waterville
Robert Tambs Jacobs	So. Portland
Richard Albert Jones	Melrose, Mass.
Alfred Maroon Joseph	Waterville
Gilbert Alexander Keay	Wilton
Aubrey Charles Keef	Vanceboro
John Teed King, II	Melrose, Mass.
Harold Benjamin Krieger	Chicago, Ill.
Charles Maurice Landay	Brookline, Mass.
Peter Harold Laraba	Manchester, N. H.
Barry Levow	New York, N. Y.
Alan Robertson Lindsay	Middleboro, Mass.
Robert Edwin McAuliffe	Hanson, Mass.
Maurice Donald Mathieu	Waterville
John Henry Megquier	Waterville
Richard Alan Neitlich	Newton Center, Mass.
Richard Edmond Nickerson	Cranston, R. I.
Richard Augustus Noonan	Hartford, Conn.
Alfred Francis Obery	Togus
David Stanton O'Neil	Larchmont, N. Y.
Albert Sidney Packard	Ft. Lauderdale, Fla.
Robert Brown Parker	Marblehead, Mass.
Abel Lawrence Peirson, III	Concord, Mass.
John Hubert Perey	Waterville
Melvin Dana Phillips	Southwest Harbor
Niels Carl Richard Raiha	Helsinki, Finland
James Arnold Rapaport	Bangor
Abbott Eames Rice	Newton Centre, Mass.
Theodore Kenneth Rice, Jr.	Concord, N. H.
Arthur Rothenberg	New York, N. Y.
Gerald Lewis Roy	Waterville
Abraham Allen Sandler	Newton Centre, Mass.
Sherman Hugh Saperstein	Waterville
Nicholas Sarris	Amherst, Mass.
Victor Frank Scalise, Jr.	Lowell, Mass.
William George Setser	Wood Acres, Md.
Robert Fillmore Sheerin	Burlington, Mass.
Edward Heriot Shenton	W. Chester, Pa.

Roy Vincent Shorey, Jr.	Ridgewood, N. J.
Charles Freeman Sleeper	Mt. Carmel, Conn.
William Edward Sullivan	Wrentham, Mass.
Derek Bruce Tatlock	Pittsford, N. Y.
Robert Frederick Thurston	Arlington, Mass.
Ward Wells Tracy	Stamford, Conn.
Theodore Jerome Turchon	Newton, Mass.
Richard Benjamin Ullman	Buffalo, N. Y.
Robert Lewis Voorhees	Danvers, Mass.
David Wallingford	Belmont, Mass.
Wallace Ward	Buffalo, N. Y.
Edward Sherman Webber	Portland
James Henry Hudson White	Guilford
Richard Eugene Whiting	Auburn
Charles Joseph Windhorst	W. Haven, Conn.
Donald Dickson Wyeth	Honolulu, Hawaii
Anthony Arthur Yanuchi	Syosset, N. Y.
John Albert Beatson	San Francisco, Cal.

## AS OF THE CLASS OF 1952

Winston McClelland Ross	Albion
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## AS OF THE CLASS OF 1950

John Patrick Turner	Cambridge, Mass.
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## AS OF THE CLASS OF 1944

## WOMEN'S DIVISION

Elizabeth Thayer Aldrich	Providence, R. I.
Beverly Ann Ambrose	Waterville
Barbara May Armstrong	Malden, Mass.
Sarah Jane Bartlett	Lynnfield Center, Mass.
Sally Baty	Belmont, Mass.
Dorothy Anne Beck	Gray
Marcia Jane Begum	Cranston, R. I.
Mary Louise Belden	Hatfield, Mass.
Shirley Lee Blumenthal	Portland
Fabia Bowman	Peabody, Mass.
Carol Irene Bullock	Winchendon, Mass.
Linda Joan Burtis	Great Neck, N. Y.
Diane Lindsay Chamberlin	Lynnfield Center, Mass.
JoAnne Conkling	W. Hempstead, N. Y.
Martha Elizabeth Cornish	Slippery Rock, Penn.
Edith May Costello	Port Washington, N. Y.
Jean Franklin Cressy	Portland
Helen Caroline Cross	Hudson, N. H.
Priscilla Meredith Crossfield	Boston, Mass.

Marcia Curtis	Wollaston, Mass.
Katherine Davenport	Walpole, Mass.
Joan Marilyn Dawes	Auburn
Ilene Edwina Dean	Rumford
Ann Louise Delamater	Newton Highlands, Mass.
Dorothy Joan Duda	Beverly, Mass.
Carol Mae Dyer	Pelham Manor, N. Y.
Nancy Orne Eustis	Waterville
Nancy Whiting Fischer	Manchester, N. H.
Barbara Faith Fisher	W. Newton, Mass.
Dorothy Ann Forster	Garden City, N. Y.
Nancy Ellen Fortune	Ogunquit
Anandi Raquel Friedman	London, England
Faith DeVol Gross	Garden City, N. Y.
Carlyn Elizabeth Grutzner	Stony Brook, N. Y.
Barbara Jean Guernsey	Lexington, Mass.
Sophia Hadjigeorgiou	Thessaloniki, Greece
Joan Hall	Marblehead, Mass.
Merrilyn Anne Healey	W. Hartford, Conn.
Marjorie Hill	Waterville
Barbara Hills	W. Newton, Mass.
Janice Woodson Holland	Tenafly, N. J.
Carol Lee Hourula	Quincy, Mass.
Susan Smith Huebsch	Concord, Mass.
Marlene Elizabeth Hurd	Waterville
Patricia Bartlett Ingraham	Augusta
Gertrude Ann Jefferson	Reading, Mass.
Eleanor Elizabeth Johnson	New York, N. Y.
Susan Squire Johnson	Bethel, Conn.
Virginia Dawn Kane	Cherryfield
Lois Ann McCarty	Portland
Sylvia Joyce McLaughlin	Gardiner
Mary DeGray Mastin	Midland Park, N. J.
Meredith Lewis Mitchell	Flushing, N. Y.
Margaret Jane Moore	Providence, R. I.
Nancy Jean Moyer	Summit, N. J.
Dorothy Jane Nyman	Hamden, Conn.
Elma Jane Parker	W. Hartford, Conn.
Josephine Ruth Peary	Brunswick
Carolyn Irene Perron	Waltham, Mass.
MaryAnn Pilon	Waterville
Betsy Jane Powley	Convent, N. J.
Constance Louise Rhodenizer	Livermore Falls
Winifred Gordon Robertson	Caribou
Georgia Muriel Roy	Brookline, Mass.
Arlyne Rosenthal Sacks	Waterville
Dorothy Elizabeth Sellar	Augusta
Phyllis Bates Sewell	Calais



Irma Joy Slovin	Chestnut Hill, Mass.
Geneva Ann Smith	Rockport, Mass.
Susan Farnham Smith	Concord, Mass.
Joan Lillian Somerville	Mars Hill
Diana Lee Stevens	New York, N. Y.
Janice Helen Stevenson	Rockland, Mass.
Diane Stowell	Orange, Mass.
Jean Phyllis Strout	Livermore Falls
Beverly Barrett Templeton	Buffalo, N. Y.
Anne Frances Thoman	E. Hartford, Conn.
Anna L. Thomas	Tallahassee, Fla.
Judith Thompson	Hartsdale, N. Y.
Rosemary Thresher	Waban, Mass.
Judith Jenkins Totman	White Plains, N. Y.
Eleanor Ruth Turner	W. Bridgewater, Mass.
Leslie Ann VanNostrand	Great Neck, N. Y.
Lorraine Adams Walker	Slingerlands, N. Y.
Jacqueline Warendorf	Scarsdale, N. Y.
Judith Dolan Weeks	Westwood, Mass.
Nancy Clair Weller	Cranston, R. I.
Judith Addison Wetherbee	Auburndale, Mass.
Joyce Smith Whitham	Ridgefield, Conn.
Carol Ann York	Oakland
Pearle King St. Peter	Fairfield

AS OF THE CLASS OF 1931

### HONORS IN GENERAL SCHOLARSHIP

#### MAGNA CUM LAUDE

Carol Irene Bullock  
Carolyn Irene Perron

#### CUM LAUDE

Charles Freeman Sleeper  
Nancy Whiting Fischer  
Virginia Dawn Kane  
Geneva Ann Smith

Mary Ann Pilon  
Gertrude Ann Jefferson  
Robert Hubbard Hawkins

## HONORS IN SENIOR SCHOLARS PROGRAM

Nancy Whiting Fischer

Juvenile Delinquency: Approaches and Treatment

Gertrude Ann Jefferson

European Economic Integration

John Hubert Perey

A Commentary on the Development of W. B. Yeats as a Poet:  
Early to Middle Years

Charles Freeman Sleeper

A Study in the Theology of Christian Social Action: An Examination of the Works of Walter Rauschenbusch and Reinhold Niebuhr and of the Approaches to the Problem which they represent

## DISTINCTION IN COURSE

IN ENGLISH

Dorothy Joan Duda

IN FRENCH

Susan Squire Johnson

IN MUSIC

Dorothy Jane Nyman

IN PSYCHOLOGY

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Katherine Davenport  
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DOCTOR OF LAWS

Ralph Albin Bramhall

Cyrus Stuart Ching

Louis Oakes

DOCTOR OF SCIENCE

Hallowell Davis

Hyman George Rickover

Charles E. G. Shannon

DOCTOR OF HUMANE LETTERS

Dorothy Fosdick

Mark Richard Shibles

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DOCTOR OF DIVINITY

Margaret Kimball Henrichsen

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DOCTOR OF FINE ARTS

Andrew Wyeth

MASTER OF ARTS

Thomas Savage

DEGREES AWARDED

OCTOBER 1, 1954

BACHELOR OF ARTS

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WOMEN'S DIVISION

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# Calendar for 1955-56

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Saturday, September 17	Freshman Week Begins
Wednesday, September 21	Upperclass Registration Classes Begins
Thursday, September 22	
Wed., Nov. 23 at 1:00 P.M. to Mon., Nov. 28 at 8:00 A.M.	Thanksgiving Recess
Saturday, Dec. 17 at 1:00 P.M. to Tuesday, Jan. 3, at 8:00 A.M.	Christmas Recess
Tuesday, January 3 through Saturday, January 14	Reading Period for 300 to 400 Courses
Friday, January 13	Last classes for 100 and 200 Courses
Monday, January 16, through Thursday, January 26	Semester Examinations
Wednesday, February 1	Second Semester Classes begin
Saturday, March 24 at 1:00 P.M. to Tuesday, April 3, at 8:00 A.M. (Easter falls on Sun., Apr. 1)	Spring Recess
Sunday, May 13, through Wednesday, May 23	Reading Period for 300 to 400 Courses
Tuesday, May 22	Last classes for 100 and 200 Courses
Thursday, May 24 through Wednesday, June 6	Final Examinations
Monday, June 11	Commencement

*No activities may be scheduled between midnight of the Saturday on which classes close in the first semester and the hour when examinations close, nor between the hour when classes close in the second semester and the hour when examinations close.*