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## Colby College Catalogue 1958 - 1959

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COLBY  
COLLEGE  
BULLETIN

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WATERVILLE, MAINE

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MAY, 1958

*Annual Catalog Issue*

**F**OR more informal information about Colby College, including photographs, the inquirer is referred to an illustrated booklet *About Colby*.

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For a list of extra-curricular organizations, and for regulations governing social functions, athletics, and other areas of student life, *The Colby Gray Book* should be consulted.

# GENERAL INFORMATION



- A LIBERAL ARTS COLLEGE
- ADMISSION
- GRADUATION REQUIREMENTS
- HONORS AND PRIZES
- HEALTH SERVICE
- AFROTC
- GENERAL REGULATIONS
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- SUMMER SCHOOL OF LANGUAGES
- FINANCES



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

# 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 classes, 1818. First Commencement, 1822.
- FUNCTIONS:** Independent College of Liberal Arts for Men and Women (women first admitted, 1871); nonsectarian, founded under Baptist auspices.
- DEGREE CONFERRED:** Bachelor of Arts.
- ENROLLMENT:** 665 men, 485 women. Faculty: 99.
- ENDOWMENT:** \$7,000,000.
- LIBRARY:** 178,500 books; 31,500 pamphlets.
- ACCREDITATION:** Accredited by the New England Association of Colleges and Secondary Schools. Member of the College Entrance Examination Board. Approved by the American Chemical Society, 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, molded paprus products, shirts, plastics. 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, connecting with Maine Turnpike at Augusta.

## 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

The subjects in the Colby curriculum are classified in five divisions. In the Division of Humanities are the departments of Classics, English, Art, Music, and Modern Foreign Languages. Besides general courses in the broad field, the Division of Social Sciences includes Business Administration, Economics and Sociology, Education and Psychology, History and Government, Philosophy and Religion. In the Division of Natural Sciences are the departments of Biology, Chemistry, Geology, Mathematics, and Physics. The Division of Health and Physical Education, besides offering courses in that field, administers the college health service, the athletic program, and intramural sports. The Division of Air Science administers the program for students in the Air Force Reserve Officers' Training Corps.

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

### 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 several of the larger courses at Colby 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 assure distribution among the several divisions mentioned above, every freshman must take English composition, a foreign language (unless covered by an achievement examination), mathematics or science, a social science, and physical education. For the fifth academic subject men must take ROTC; women have an elective. In the fall of 1959 enrollment in ROTC will become voluntary.

In sophomore year the requirements are a course in literature, one in foreign language unless that requirement has been previously met, a course in 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.

Each freshman is assigned to a member of the faculty who will serve as his adviser during 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 17.

## MEN

## WOMEN

## FRESHMAN YEAR

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

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

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

## LECTURES AND CONCERTS

The Averill Lecture series brings to Colby, each year, several outstanding scholars, musicians, and artists, who not only give public lectures, but also remain on the campus for several days for more intimate discussion with classes and small groups of students. The Gabrielson Lectures, given weekly during the second semester by persons of national and international prominence in public affairs, are correlated with a regular Government course in Political Problems. The Ingraham Lectures are devoted to philosophy and religion. Other lecturers and artists come to Colby under the auspices of various departments and campus organizations.



### MUSIC

Musical organizations which offer opportunities in serious vocal and instrumental music are the Colby Community Symphony Orchestra, the Glee Club, Concert and Chapel Choirs, and the Colby College Band. These are under faculty direction and carry academic credits for satisfactory participation. There are also two informal student groups which provide opportunity for those interested in lighter vocal music. These are the Colby Eight for men and the Colbyettes for women. The Walcker Organ in Lorimer Chapel, gift of Dr. Matthew Mellon, a trustee, gives opportunity for recitals by organists of international repute. The Carnegie collection of records is available regularly to student listeners.

### DRAMATICS

Powder and Wig, the Colby dramatic society, has a long record of outstanding productions under the supervision of the Director of Dramatics, who is a member of the English faculty. Students not only act in plays, but also direct short productions, build scenery and supervise staging and lighting. The college offers a regular credit course in "The Development of Dramatic Art."

### SPEECH AND DEBATE

A long tradition of public speaking at Colby has resulted in the endowment of several speaking contests with large prizes. All of these contests, as well as supervision of debating, are under the instructors of speech in the Department of English. Debating teams compete regularly with other colleges, and Colby is represented at various intercollegiate speech contests during the year.

### BOOK OF THE YEAR

A unique feature at Colby is the *Book of the Year*. Each spring a committee of faculty and students selects an outstanding book for all to read during the ensuing college year. The selected book is frequently mentioned in many different courses and in informal discussion groups. In 1957-58 the book was Crane Brinton's *The Shaping of the Modern Mind*.

### ATHLETICS

Organized athletic teams, varsity and freshman, include baseball, basketball, football, hockey, track, golf, tennis, and skiing. For more than 60 years keen interest has centered in the Maine Intercollegiate Athletic Association, consisting of the four long-established colleges of the state. In this so-called "state series" Colby wins its share of championships. All Colby coaches are regular members of the faculty in the Department of Physical Education.

Besides the varsity and freshman teams, the Department of Physical Education sponsors and supervises an extensive intra-mural program in-

cluding all varsity sports plus soccer, swimming, wrestling, touch football, bowling, and riflery. The athletic program for women offers a choice of activities: archery, field hockey, tennis, badminton, basketball, swimming, skiing, skating, volleyball, lacrosse, tennis, golf, modern, square, and folk dancing. Open to all students are the varied activities of the Colby Outing Club: hiking, canoeing, mountain climbing, skiing, snowshoeing, and skating. The indoor Harold Alfond Arena provides facilities for skating in all weathers.

#### FRATERNITIES AND SORORITIES

Colby recognizes the fraternity system as a cooperative feature of campus life. There are chapters of eight national and two local fraternities, as well as chapters of four national sororities. Seven of the fraternities occupy new houses on the campus, controlled by prudential committees, on which the fraternity alumni association, the local chapter, and the college are all represented. A house mother is resident in each of these seven houses. Members of the three fraternities, whose houses are still to be built, are temporarily quartered in dormitories. The women's sororities do not have houses, but each chapter has a room, appropriately decorated and equipped, in the Women's Union. The ten Colby fraternities in order of founding are Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Lambda Chi Alpha, Kappa Delta Rho, Tau Delta Phi, Sigma Theta Psi (local), and Beta Chi (local). The four sororities are Sigma Kappa (founded at Colby), Chi Omega, Delta Delta Delta, and Alpha Delta Pi.

#### RELIGION AT COLBY

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

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

Each Sunday morning is held a service of worship, with college choir and with a sermon by the Chaplain or a visiting preacher. Four times a week, at noon, there is a brief devotional service, usually led by a faculty member or a student.

The coordinating organization for the various religious groups on the campus is the Interfaith Association, in which Protestants, Catholics, and Jews cooperate. Protestant students conduct their activities through the Student Christian Association, Catholics through the Newman Society,

and the Jewish students through Hillel. Several of the Protestant denominations also meet in groups of their own.

A notable event of the year is Religious Convocation, in February, when the Interfaith Association brings to the campus prominent religious leaders, who take up residence in the student houses, and conduct informal discussions.

Many Colby graduates have entered the ministry, and the list of missionaries is especially impressive. The missionary tablet in the Rose Memorial Chapel (one wing of Lorimer Chapel) testifies to the participation of Colby men and women in home and foreign missions for 130 years.

### 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 a faculty adviser, who helps him select his academic program and make adjustments to college life. The adviser holds frequent conferences with the student throughout the freshman year, and is available at all times to help meet problems as they arise.

In addition to his faculty adviser, each freshman is assigned a student adviser carefully selected from the junior class. Student advisers work both independently and with the faculty advisers and, like the latter, are available to the student throughout the freshman year. Each freshman in the men's division also has a citizen adviser in Waterville. Required orientation assemblies for freshmen 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 also assist in the guidance program.

### PLACEMENT

The Director of Placement makes available to interested students information on opportunities for employment after graduation. He maintains a personnel file on each senior and arranges interviews with prospective employers. Career conferences focus attention on various vocations.

With the cooperation of the deans of men and women, the Director also arranges for students to take various aptitude tests. Not only in senior year but throughout a student's college course the Director of Placement is available for consultation and guidance on occupational matters.

### GRADUATE STUDY

Advising students concerning graduate and professional study is a function of the Dean of the Faculty. Working with the various major advisers, he informs students about various graduate and professional programs, graduate fellowships and scholarships. He administers the examinations for admission to graduate and professional schools.

### 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 178,000 books and manuscripts.

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 500 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 Sergeant Perry, the James A. Healy Collection of Modern Irish Literature, 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.

## COLLEGE PLANT

In 1952, Colby College completed its move from a hundred-year-old campus in downtown Waterville to its new 650-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 seven fraternity houses, occupied by Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Tau Delta Phi, and Lambda Chi Alpha.

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 Sherman M. Perry 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 Sciences Building*, there will soon be completed a large classroom building for languages, literatures, and social sciences. A separate building, serving as a workshop for dramatics and music, has recently been provided.

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

*The Herbert E. Wadsworth 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.

*The Harold Alford Hockey Arena* provides a surface of artificial ice in an enclosed and covered rink with a seating capacity for 2,000 spectators.

*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. Johnson Pond offers an excellent area for skating.

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

## ADMISSION

ALL MATTERS pertaining to admission of freshmen, 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.

Sixteen units are required:

English	4	History (or Social Studies)	1
Foreign Language	2	Science (laboratory)	1
Algebra	2	Elective	5
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 both the Scholastic Aptitude Test and the Achievement Tests of the College Entrance Examination Board. It is recommended that a candidate take the Scholastic Aptitude Test in January of the senior year and the Achievement Tests in March. The Achievements should include English Composition and two other tests of the candidate's choice.

During the academic year 1958-1959 the College Entrance Examination Board will hold a complete series of examinations on each of the following dates:

Saturday, December 6, 1958	Saturday, March 14, 1959
Saturday, January 10, 1959	Saturday, May 16, 1959
Saturday, February 14, 1959	Wednesday, August 12, 1959

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.

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 test; 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 27896, 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 .....	\$14.00
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 6, 1958	November 15
January 10, 1959	December 13
February 14, 1959	January 24
March 14, 1959	February 14
May 16, 1959	April 18
August 12, 1959	July 22

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.

### ADVANCED PLACEMENT

Colby subscribes to the Advanced Placement Program of the College Entrance Board. Candidates interested in advanced placement and credit must take the Advanced Placement Test given by the Board.

### ADMISSION PROCEDURE

1. File a formal application with the Director of Admissions. A non-refundable \$10 application fee to cover part of the cost of processing

- each application is required. A check or money order for this amount should be returned with the formal application blank.
2. Personal interviews are required of all applicants, either at the College or with a Colby representative near the applicant's home.
  3. The majority of each entering class is selected in April.
  4. If admitted, an applicant must make the required deposit of \$50 not later than a date agreed upon by certain member colleges of the College Entrance Examination Board. That group of colleges, which includes Colby, 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 the group. In 1958 the date is May 21. The 1959 date will be about the same time. 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 another college, including a junior college, is limited to a few carefully selected students. The Dean of Men and the Dean of Women (*not* the Director of Admissions) administer all matters pertaining to the admission of transfer students.

The prospective transfer student should write to the Dean of Men or the Dean of Women, stating fully the reasons for transfer. Upon receipt of application form, the applicant should proceed promptly to fill it out and return it, with the required fee of \$10, and should see that his previous college sends to the appropriate Colby dean a transcript of his record and a copy of the catalog of that college. The applicant should also request the dean of his previous college to write a personal letter recommending the applicant.

Transfer students should ask the College Entrance Examination Board to send results of any tests taken to the Dean at Colby. All transfer students must take the Scholastic Aptitude Test.

#### ADMISSION OF VETERANS

Unless a veteran has previously attended another college, he applies for Colby admission to the Director of Admissions, even if he intends to submit request for advanced standing based on completion of service schools or USAFI courses. Each applying veteran is cautioned that any request for such service credit must be made in advance of his actual matriculation at Colby because such credits must usually apply to freshman courses only. After a veteran has started a regular program of freshman courses, it is too late to apply for service credits.

All requests for service credits are evaluated by the Dean of Men, to whom the Director of Admissions refers such cases.



## 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 hours in excess of three for each semester course.

Two years of Physical Education.

### QUALITY

A total of 72 points and 40 semester courses. For each half-course (or semester course) a mark of A entitles the student to four points, a mark of B to three points, a mark of C to two points, and a mark of D to one point. No points are given for marks below D.

### DISTRIBUTION

The general distribution requirements for graduation have recently been revised. Both the old requirements and the new are given below, described as Plan A and Plan B respectively. Freshmen entering in the fall of 1958 (the class of 1962) will fulfill the requirements under Plan B; students enrolled in the college before the fall of 1958, and transfers who enter in the fall of 1958 (the classes of 1959, 1960, and 1961) may fulfill the requirements under either Plan A or Plan B, according to their preference.

### PLAN A

1. English Composition (English 121, 122) in the freshman year.  
(See note on Remedial English, p. 56)
2. Literature (English 221, 222) in the sophomore year.
3. Two years in the Natural Sciences, which may be taken in either of the following options:
  - (a) One year-course, or two sequence semester courses, in any two of the following subjects: Biology, Chemistry, Geology, Mathematics, Physics.
  - (b) Two year-courses, or their equivalent in semester courses in any one of the following subjects: Biology, Chemistry, Geology, Mathematics, Physics.
4. Three year-courses or equivalent in semester courses, selected from three different subjects in the Division of Social Sciences; provided, however, that not more than one of the following courses may be counted toward this requirement: Social Science 121, 122; Religion 111 and Philosophy 112; or any other course in the Division of Social Sciences which is open to freshmen. Air Science 221, 222 count as one course toward this requirement.

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 language 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.  
(See note on p. 23 regarding election of language courses.)
6. *For men students only*: two years of basic AFROTC (Air Science 121, 122; 221, 222).

#### PLAN B

##### I. All College requirements:

- A. *English Composition and Literature*: 4 terms (or 3 for those students who show suitable proficiency).

Note:

This requirement will be met by English 121; English 221 or 223; and English 222 or 224. Those students for whom 4 terms are required will take English 122. (See note on Remedial English, p. 56)

- B. *Foreign Language*: 2 to 4 terms as necessary to complete the language requirement at the 104 level. The requirement may also be met by passing an achievement examination.
- C. *Air Science* 121-122 will be required for freshman *men* entering in the fall of 1958, but thereafter the AFROTC program will become voluntary.

##### II. Area requirements:

- A. 4 terms in each of the areas (described below) into which the student's major does not fall.

Note:

- (1) Not more than 2 term courses in any one subject may be counted towards the requirement in any one area. Combined subjects listed in the "Areas" in III below (such as "Philosophy and Religion") will be considered to be one subject as far as this note is concerned.
  - (2) Among the *social sciences*, no more than 2 terms of 100-level courses may be counted towards the requirement.
  - (3) Among the *sciences* at least 2 terms must involve laboratory courses, and the 4 terms must be chosen from no more than 3 subjects.
  - (4) English 222 or 224, required for all students, will count for one term of the humanities requirement.
  - (5) For distribution purposes, the status of the Psychology-Mathematics major will be determined in consultation with the departments concerned.
- B. Those specially selected students who are admitted to the course in Creative Thinking (and who pass it with a grade of B or better) may be exempted from *any* two terms of any area requirement.

## III. Areas:

- (1) *Humanities*
  - Art
  - Music
  - Classics (all courses)
  - English (except for 121, 122, 221, and Speech)
  - Modern Languages (except 101, 102, 103, 104 courses)
  - Philosophy and Religion (certain courses, including Rel. 213-214, the Bible; Rel. 311, Great Religions; Phil. 372, Philosophy of Religion; Phil. 315, Types of Philosophy)
- (2) *Sciences*
  - Biology
  - Chemistry
  - Geology
  - Mathematics
  - Physics
- (3) *Social Sciences*
  - Business Administration
  - Economics
  - History and Government
  - Philosophy and Religion (except those courses listed among the Humanities); Air Science 221, 222.
  - Psychology
  - Sociology

## RESIDENCE

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.

## EXEMPTION BY EXAMINATION

When appropriate, either fixed or distributive requirements, as well as certain requirements for the major, may be absolved by examination, without course enrollment, at the discretion of the department concerned.

## OPTION FOR CERTAIN STUDENTS

A student returning to college after absence of one or more semesters must meet any new requirement for graduation made subsequent to his original enrollment, provided he still needs more than one-half of the total number of courses required for graduation; but he may elect to meet either the new requirement or the requirement in effect when he first enrolled, provided he still needs not more than one-half of the total number of courses required for graduation.

## MAJOR

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.

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.

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 the equivalent of a C average in his major. Any student whose cumulative average in courses completed toward the major falls below a certain scale of points is not permitted to continue with that major. The required scale is as follows: first 2 semester courses, 3 points; first 3 semester courses, 5 points; first 4 semester courses, 7 points; first 5 semester courses, 9 points; first 6 semester courses, 12 points; and 2 points for each semester course thereafter. 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 the required point average 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 in the senior year the cumulative average in courses completed toward the major falls below the required number of points, the major requirement shall be considered as not fulfilled and the degree shall be withheld.

Each department designates those courses to which the point average 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

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.

The following combined majors are offered:

American Civilization  
Classics-English  
Geology-Chemistry  
History-Government-Economics  
Philosophy-Religion  
Psychology-Mathematics

## REGISTRATION

Students must register on assigned days at the beginning of each semester 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 \$5.

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 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 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. (dropped) 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 F. If a course is dropped without permission the student shall, in addition to receiving an F in the course, be placed on probation. A course dropped after receipt of a major mid-semester warning shall necessitate a mark of F 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 nine points in five courses. The only exception to this rule is that a senior whose completion of a sixth course in his final semester will complete his graduation requirements shall be permitted to elect a sixth course although his previous semester's average may be below the required number of points. Such exception shall not apply to the entire senior year, but only to the last semester of that year.

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.

### PLACEMENT IN FOREIGN LANGUAGES

Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college.

A student presenting two or more units of a given language for entrance must, in order to receive college credit, continue that language on the intermediate (103, 104) or higher level. Should such a student through a low mark on the placement test or through inability to do the work in the course not qualify for at least the intermediate level, he must (a) take the language over at the elementary level without *college* credit, or (b) elect a *different* language on the elementary level. Exceptions may be made to this only in the case of veterans who are entering college after a term of military service.

### 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 their major advisers. Permission to undertake such a plan generally requires a previous cumulative average of B.

### 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. Admission of special students is the responsibility of the respective dean's office.

### 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 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.

### 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, and a fee of \$5 is charged for each postponed examination. 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

Each senior is required to take a comprehensive examination in his major field. This examination will come on the Friday near the middle of the reading period in May. The length of the examination will be at least 6 hours, part of which may be oral, at the discretion of the department concerned. The objective is the integration and correlation 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 not entitled to a second examination before Commencement. They may retake the examination in the fall, after September 1, or at the time of the comprehensive examinations the following year. The examination must be passed before the degree can be conferred. Students who expect to complete graduation requirements at mid-year may take the comprehensive examination either in the previous spring or in the following spring.

#### 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. At the same office students may secure information about graduate schools and graduate scholarships.

#### 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. The officer in charge is the Dean of Men.

## READING PERIOD

Near the end of each semester, there is a Reading Period in all courses numbered in the 300's and 400's. 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 100's and 200's, 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 the 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 Examinations, which has authority to grant or refuse the request.

## 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, it is so low as to indicate that final failure of the course is likely.

Official marks in letter grades of A, B, C, D, E, F are issued to students at the end of the first semester by the faculty advisers; at the end of the second semester marks are mailed to students' homes by the Recorder. In practice a student often obtains his semester mark in a course directly from the instructor, but the only official record of all his marks is in the permanent files at the Recorder's office. At the time of mid-semester warnings in November, the deans of men and women often ask instructors to present an informal estimate of the standing of freshmen, in order that the deans may have early information about the progress of new students. Those informal mid-semester statements, however, are not

official marks and are not recorded at the Recorder's office. The only official marks are those issued at the end of each semester.

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 D, 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 of E applies only to specifically designated first semester courses. Unless in the course description in this catalog a course is designated as an "E" course, a mark below D in the first semester means definite and final failure. In a properly designated "E" course a mark of E 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 F.

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 F. In any event, after the expiration of one term, any remaining mark of "Inc." will be changed to F.

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 AND PRIZES

THE DEGREE of Bachelor of Arts with Distinction is awarded in three grades: *cum laude* to those who attain 120 points in 40 courses; *magna cum laude* to those whose average is 135 points in 40 courses; and *summa cum laude* to those whose average is 150 points in 40 courses.

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 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.

A limited number of Senior Scholars, selected by a faculty committee at the end of junior year, devote during senior year a major part of their time to approved scholarly projects. Each Senior Scholar pursues this work under the guidance of a faculty member, and to allow sufficient time for the work the Senior Scholar is excused from as many of his usual number of five courses as the committee shall determine. The list of Senior Scholars for the ensuing year is announced among other honors at the annual Recognition Assembly.

Another honor recognizing high academic performance is the Dean's List, upon which appears the name of every student whose average of all marks in the previous semester has been at least fifteen points in five courses (an average of B).

### COLLEGE PRIZES

#### GENERAL

*American Association of University Women's Membership Award.* The State of Maine Division of the AAUW awards a national membership in

the Association for one year to a senior girl of outstanding scholarship, citizenship, and campus leadership.

Awarded in 1957 to Nancy Louise Hansen, '57.

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

Awarded in 1957 to Peter Merrill, '57.

*Delta Delta Delta Scholarship Awards.* Given annually to undergraduates for scholastic performance, well-defined educational objectives and campus leadership.

Awarded in 1957 to Marcia Elizabeth Griggs, '57 and Joan Louise King, '58.

*Adelaide True Ellery Scholarship.* Awarded in memory of Adelaide True Ellery, 1890, to a woman student at Colby for outstanding religious leadership at Colby, the scholarship to apply in her junior and senior years.

In 1957 no award was made.

*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 most likely to benefit society."

Awarded in 1957 to Mollie Josephine Deans, '60, and Edward Joseph Burke, Jr., '60.

*Student Government Association Scholarships.* The Student Scholarship Fund is collected by students through the Campus Chest and is administered by the Student Scholarship Committee.

In 1957, awards were made to Frances Murray Buxton, '59, Marline Garnett, '60, and Brian Blanchard, '60.

*Bixler Bowl Award.* Awarded to the fraternity which as a group has contributed the most on a constructive basis to the over-all work of the college program.

Awarded in 1957 to, first, Tau Delta Phi and, second, Lambda Chi Alpha. Area winners: scholarship, Tau Delta Phi; special events, Tau Delta Phi; leadership, Delta Kappa Epsilon; administration, Tau Delta Phi.

*Student League Scholarship.* Awarded annually to the junior girl who best meets these requisites: average scholarship or better, leadership, participation in extracurricular activities, and friendliness, and who has contributed to her college expenses by her own efforts.

Awarded in 1957 to Janet Louise Pratt, '58.

*Carrie M. True Award.* Awarded annually in memory of Carrie M. True, 1895, to a woman undergraduate at Colby selected for pronounced religious leadership and influence in the life of the college.

Awarded in 1957 to Elizabeth Ann Elwell, '57.

*Michael Lester Madden Scholarship.* Awarded by the Scott Paper Company in memory of Michael Lester Madden to a Colby student at the end of the sophomore year who has best demonstrated outstanding scholarship as well as leadership and participation in extracurricular activities; the scholarship to apply during the junior and senior years.

Awarded in 1957 to Robert Charles Keltie, '59.

*Library Associates' Book Prize.* Awarded annually by the Colby Library Associates to the senior who, during his or her four years in college, has assembled the best collection of books. This prize has been partially endowed by the Class of 1941.

Awarded in 1957 to Walter Cyrus Dainwood, '57.

*Sigma Theta Psi Trophy.* An award to be made annually to the student in the men's division who, at the end of his third semester of work, has the highest cumulative academic average.

Awarded in 1957 to Arthur Eduard Goldschmidt, '59.

#### 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 extracurricular interests.

In 1957 no award was made.

#### CLASSICS

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

Award in Latin, 1957, to Theodore Crane, Jr., '58.

Award in Greek, 1957, to David Horton Mills, '57.

#### ENGLISH

*Mary Low Carver Prize for Poetry.* Awarded to a student in the women's division for an original poem of merit in the English language.

Awarded in 1957 to Carol Stearns, '60.

*Solomon Gallert English Prize.* Given by Mrs. Joseph L. B. Mayer in memory of Solomon Gallert, 1888; awarded for excellence in English.

Awarded in 1957 to Richard George Stratton, '57.

*Poetry Prize for the Men's Division.*

Awarded in 1957 to John Irving Judson, '58.

## HISTORY

*Lampert History Prize.* To the senior who is the highest ranking major in the fields of history and government.

Awarded in 1957 to Nancy Louise Hansen, '57.

*William J. Wilkinson History Prize.* Established by Mrs. Wilkinson in memory of her husband, Dr. William J. Wilkinson, professor of history and government at Colby from 1924 to 1945, the prize is awarded annually to the history major in the junior class who, in the judgment of the department, best combines special interest in Modern European History with a high average in history and government courses, personal integrity, and ability to reason critically and independently.

Awarded in 1957 to Douglas Taylor Miller, '58.

*Paul A. Fullam History Prize.* Awarded to the senior distinguished by outstanding work in the fields of history and government.

Awarded in 1957 to John Wilson Cameron, '57.

## MODERN FOREIGN LANGUAGES

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

Awarded in 1957 to Beverly Ann Colbroth, '57.

*German Prizes.* For excellence in German courses.

Awards in 1957 were: Women's division — first, Leslie Ann Wyman, '57, second, a tie, Marcia Elizabeth Griggs, '58, and Jane Maddocks, '57; men's division — first, Philip Earhart Guiles, '58, second, Kyoichi Haruta, '57.

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

Awarded in 1957 to Shirley Ann Transue, '57.

## MUSIC

*Colby College Band Award.* Presented to a member of the Band for outstanding qualities in leadership and exceptional interest.

Awarded in 1957 to Glen Peter Goffin, '58.

*The Glee Club Award.* Presented to a senior for his or her outstanding contribution to the Glee Club in terms of service, interest, attitude, and loyalty over a period of four years.

Awarded in 1957 to Ronald Harold Arthur, '57.

*Louise Colgan Award.* Presented to the highest ranking senior woman who has been a member of the Glee Club for at least three years.

Awarded in 1957 to Shirley Ann Transue, '57.

*Symphonic Society Awards for String Instruments.* Presented to the students in the string section of the Colby Community Symphony Orchestra who have shown unusual interest and improvement.

Awards in 1957: Joan Muir, '58; Gwendolyn Pingree Parker, '58; Donna Marie Tasker, '59.

#### PUBLIC SPEAKING AND DRAMATICS

*Goodwin Public Speaking Prizes.* Given by the late Mattie E. Goodwin in memory of her husband, Congressman Forrest Goodwin, 1887, these are awards for excellence in the delivery of original addresses.

Awards in 1957: first, John Wilson Cameron, '57; second, Gregory Zareh Thomajan, '59; third, Richard George Stratton, '57; fourth, Donald Gerry Kennedy, '58.

*Hamlin Speaking Prizes.* Awarded to freshmen for excellence in public speaking.

Awards in 1957: first, Carol Ann York, '60; second, Alan Lester Skvirsky, '60; third, John Walter Edward Vollmer, '60.

*Julius and Rachel Levine Speaking Prizes.* The gift of Lewis Lester Levine, 1916, in memory of his father and mother, prizes are awarded for excellence in extemporaneous address.

Awards in 1957: first, John Sidney Baxter, '58; second, Robert Parke Pettegrew, '57; third, Ezra Adolph Goldberg, '57.

*Murray Debating Prizes.* A bequest of the late George E. Murray, 1879, provides for the annual award of prizes for the best arguments presented at a public exhibition.

In 1957 first prize was awarded to E. Conrad Forziati, '58 and Peter Lee Goldthwaite, '59. Second prize was awarded to William Potter Clark, '58, and Chester Henry Lopez, '58. Best speaker: Peter Lee Goldthwaite.

*Montgomery Interscholastic Public Speaking Prizes.* A bequest of the late Job Montgomery of Camden, Maine, provides for the annual award of prizes to contestants from the secondary schools who appear at Colby on an assigned date for this contest.

Awards in 1957: Large schools—first, Terry Ann Poulin, Waterville High School; second, Frank Wallace, Cony High School, Augusta; third, Edward Berman, Lewiston High School. Small schools—first, Francis Fuller, Orono High School; second, Susan Briggs, Lincoln Academy; third, William Morton, South Paris High School.

*Powder and Wig Award.* Presented by the Colby dramatic society, Powder and Wig, for exceptional achievement in dramatic productions.

Awarded in 1957 to Russel Earle Higgins, '57.



## SCIENCES

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

Awarded in 1957 to Ralph Daniel Nelson, Jr., '60.

*Mathematics Award.* An achievement award in freshman mathematics, donated by the Chemical Rubber Company.

Awarded in 1957 to Margaret Alice Jack, '60.

## SOCIAL SCIENCES

*Chi Omega Prize in Social Science.* Awarded in 1957 to the highest ranking woman in psychology.

Awarded to Rona Kopans Rosenthal, '57.

*Albion Woodbury Small Prizes.* A bequest of Lina Small Harris of Chicago, in memory of her father, Albion Woodbury Small, 1876, former President of Colby College and late professor of sociology and dean of the graduate school at the University of Chicago, this fund provides awards for students pursuing work in economics and sociology. Prizes are annually awarded for the best essays on some subject announced by the Department of Economics and Sociology.

In 1957 no awards were made.

## HEALTH SERVICE

BEFORE MATRICULATION, each newly enrolled student must present a satisfactory health certificate signed by a physician, including evidence of Tetanus Toxoid immunization within one year. It is recommended that polio immunization be completed prior to college entrance. 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 32 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 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 illness 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.

Free service in the College infirmary is restricted to a total of two weeks in any college year. Infirmary meals are charged at reasonable rates. Whenever students are regularly boarding at the College dining halls there is no additional charge for infirmary meals.

The College also has compulsory group accident and medical reimbursement insurance which provides benefits in cases where the facilities of the Health Service program are not sufficient. This insurance is supplementary to the College Health Service and details concerning it are published prior to the opening of each fall semester.

## AIR FORCE RESERVE OFFICERS' TRAINING CORPS

AN AIR FORCE Reserve Officers' Training Corps unit has been established at Colby College since 1951. The unit, known as the Department of Air Science, is staffed by Air Force officers and airmen who administer and operate the program of instruction.

The AFROTC program has many objectives. Since this is the major source of officers for the Air Force, a primary purpose of the Department of Air Science is to select, develop and eventually commission graduates in the Air Force. Of like importance, the Department presents a planned program of air-age citizenship education designed to develop within the student an understanding of present day aviation, in addition to the mission, organization, problems and techniques of the United States Air Force.

The completion of two years of AFROTC, Basic Air Science, or its equivalent, as determined by the Dean of Men, is a graduation requirement for all physically qualified male students.

The Advanced Air Science course, junior and senior years, including the attendance at a summer training unit, is offered to selected, qualified,

volunteers from the basic course. "Advanced" provides further opportunity for the selected student to train as intelligent, informed, responsible citizen-leaders of tomorrow. Qualified students successfully completing the Air Science courses will be commissioned Second Lieutenants in the United States Air Force Reserve upon graduation.

The majority of graduating ROTC cadets will be qualified for acceptance into pilot or navigator training in the United States Air Force. These graduates and selected others have excellent opportunity to become officer-leaders in many Air Force career fields such as Electronics, Administration, Meteorology, Legal, Logistics, Air Installations, Research and Development, Command and Operations.

Outstanding senior students exhibiting fine qualities of leadership and character may be designated Distinguished Graduates, which in turn makes them eligible to compete for a regular officer career in the Air Force.

Outstanding achievement or performance in various fields of endeavor within the program is given recognition by presentation of awards, normally trophies or medals supplied by various civic, military and industrial organizations.

#### PROGRAM OF INSTRUCTION

Full academic credit is given for each of the AFROTC courses. The two phases, Basic and Advanced, are described as follows:

##### BASIC

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

Male students accepted for enrollment in the Basic course at Colby will be sent an AFROTC application form. This form is necessary for getting complete uniforms in readiness for the incoming student. A physical examination form, to be filled out by the family physician, will also be sent and should be returned prior to school opening. Applicants who have reached their 23rd birthday are normally ineligible for the Basic Course.

##### ADVANCED

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

Advanced Course students must attend four to six weeks of summer training at an Air Force base between the junior and senior years. During this period they are paid approximately \$75 per month plus travel pay, quarters and food, uniforms and medical care.

During the Advanced phase, cadets receive approximately \$27 per month and are issued an Air Force officer's uniform.

A student must apply for enrollment in the Advanced Course. If acceptable to the President of the College and Professor of Air Science, the student will be enrolled upon signing a contract agreeing to (1) complete the Advanced courses, (2) attend the summer camp, (3) accept a commission upon graduation. 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 must not have reached their 25th birthday at the beginning of this phase.

#### AFROTC ACTIVITIES AND ORGANIZATIONS

Membership in extra-curricular college activities and clubs, particularly as leaders, is excellent experience for the student. For this reason, the Department of Air Science sponsors the following organizations which are operated almost solely by members of the Advanced Cadet Corps. Recognition is given for outstanding achievement and performance.

AFROTC Band  
 AFROTC Drill Team  
 AFROTC Rifle Team  
 Ground Observer Corps Unit  
 Arnold Air Society  
 AFROTC Debate Team

#### AFROTC OPPORTUNITIES FOR VETERANS

All veterans should apprise themselves of the opportunities offered by AFROTC before final selection of courses. Qualified veterans may be commissioned in the Air Force Reserve without active duty obligation upon graduation and/or may also be selected for pilot or navigator training in the Air Force. The Professor of Air Science and his staff are ready to assist the veteran with any questions relative to the program.

#### DEFERMENTS FROM SELECTIVE SERVICE

Students in good academic standing in college courses are normally deferred from active military service. Once awarded, a deferment is continuous as long as the student is in good standing in the AFROTC and his college courses.

#### VETERANS

Colby College is fully approved by the 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 the Veterans Administration.

## GENERAL 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.

### 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:

- (a) Those confined to the college infirmary or hospital because of illness or surgery.
- (b) Those students treated by the medical staff at the dispensary, infirmary, or hospital.
- (c) 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 nonpayment 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. Because the college calendar provides for the closing of college for the Christmas recess at least a full week before Christmas Day, the deans can permit absences on or immediately before the closing day for the most urgent and exceptional reasons only. Such absences cannot usually be permitted for holiday employment.

### 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 nor to upperclassmen who are on academic probation. 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 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. A married woman student may enroll or remain in college if her college residence is with her husband or parents. If a woman student wishes to continue living in her dormitory after being married, she may obtain permission to do so from the Dean of Women under certain conditions.

### 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 this field 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, 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 these Institutes have 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 1953, Colby assumed full responsibility for this activity.

In 1953, the Board of Trustees felt justified in creating a new Division of the College and appointing a full-time Director. The summer program of 1955, which concluded the first full year of Adult Education activity under a full-time Director, brought over 2,000 people to Mayflower Hill as participants in one or another of the seventeen programs held at Colby. This more than doubled the figures of any previous summer.

Another activity of the Division of Adult Education and Extension is the Colby-sponsored Institute for Maine Industry, now in its seventh year. Held in late March, it brings to the campus nearly 200 of the top industrial leaders of Maine. Throughout the year other meetings and conferences are sponsored directly, or in cooperation with other departments of the College.

Beginning with the second semester of the college year of 1954-55, the offering of evening courses for adults was resumed. They were planned with two groups in mind: (1) those individuals, in and nearby Waterville, whose primary interest is in the cultural and intellectual aspects of the courses and enjoyment of them; and (2) teachers who, in addition, desire to acquire credit for teacher certificate requirements.

Colby has pioneered in presenting college courses by television. The first given in 1955 has been followed by four others, reaching a wide audience in Maine, New Hampshire, Vermont, and parts of New York and Canada. The live telecasts originating at WMTW (Mt. Washington) are simulcast over WABI-TV (Bangor) and WAGM-TV (Presque Isle).

In addition, courses for special groups are sponsored as the need arises. Examples of such are classes preparing insurance men for C.L.U. and C.P.C.U. examinations, and workshop courses for teachers, which provided special training for remedial work in reading and speech.



A significant addition to the summer program of 1958 is the Colby Institute for Science, made possible by a grant from the National Science Foundation.

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 has set for itself certain objectives. Through the 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.

## 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 and Swarthmore College. For practical reasons Colby College, in 1953, assumed full responsibility for the School, continuing the general policies and standards previously established by the two colleges. 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 eleventh session of the School opens on Colby's Mayflower Hill campus on June 24 and closes on August 11, 1958. The twelfth session is expected to be held between corresponding dates in the summer of 1959. Courses are offered at the elementary, intermediate, and advanced levels in French, German, Russian, and Spanish. Also offered are period courses in French Literature and a reading course in German for advanced degrees.

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.

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

insofar 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 participate constantly in the classroom exercises and can receive frequent and individual attention. Mechanical aids, such as tape and disc recordings, 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 college language credit.

## 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, student insurance, and the Student Activities Fee.

<i>Item</i>	SEMESTER CHARGES	
	<i>Amount</i>	<i>Payable</i>
Tuition, 5-course program	\$475.00	\$50 before August 1, balance before registration
Room, dormitory	135.00	Semester bill*
Board, College dining hall	225.00	\$50 before registration, balance on Semester bill*
	\$835.00	

\* 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 16.) 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. The deposit will be refunded if the request for a room reservation is withdrawn before August first.

#### TUITION

The tuition charge is \$475 per semester for a five course program. The semester per course charge is \$95. Tuition must be paid in full prior to registration for each semester.

#### INSURANCE

Accident and sickness insurance premium of \$15 for the college year must be paid in advance of first semester registration.

#### ROTC DEPOSIT

Deposit of \$15 for issued equipment is 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), 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 \$225 per semester for each student. 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 \$135 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 arrangement specifically approved by the respective deans. Dormitory reservations for men students are made through the office of the Dean of Men and for women students through the office of the Dean of Women.

## 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 1957-58 is \$17.50 for men and \$19 for women.

## HEALTH SERVICE

Free service in the Sherman M. Perry Infirmary is restricted to a total of two weeks in any college year. Students are charged at the rate of \$3 per day for infirmary care beyond the two week free period. Infirmary meals are charged at the rate of \$2.25 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 pages 33-34 and also in the *Gray Book*.

## ACCIDENT AND SICKNESS INSURANCE

All students must be insured in the Student Accident and Sickness Insurance plan unless they have comparable coverage elsewhere. Students seeking exemption from this compulsory coverage must make written application for waiver at the office of the Treasurer prior to the opening of College. The premium of \$15 (subject to rate change) for the college year must be paid in advance of first semester registration. Details of the insurance plan are mailed to all parents during the summer.

## MISCELLANEOUS

The fee for extra courses beyond the normal load of five courses is \$95 per semester course.

In chemistry courses, students are required to pay for all apparatus broken or lost. A chemistry breakage deposit of \$10 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 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 pro-rated basis at the end of the year.

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

### 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 individual 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 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 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 .....	80% refunded
During third week of classes .....	60% refunded
During fourth week of classes .....	40% refunded
During fifth week of classes .....	20% refunded
After five weeks of classes .....	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 \$10 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 the College received scholarship aid and worked their way through the four years. Colby annually distributes financial aid in excess of \$150,000 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.

An entering freshman 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 the 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 qualifying for financial aid may receive it in cash award or an assignment to a student job.

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 aid will be notified as early as possible whether he or she can be granted aid and of what kind and amount.

### APPLICATION FEE

A non-refundable application fee of \$10 must accompany each application for admission to Colby College.

# CURRICULUM



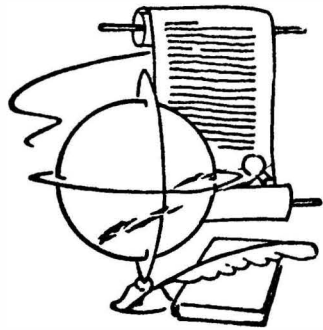
HUMANITIES

SOCIAL SCIENCES

NATURAL SCIENCES

AIR SCIENCE

HEALTH AND PHYSICAL EDUCATION



# Curriculum 1958-1959

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

## DIVISION OF HUMANITIES

Art, Bibliography, Classics, English, Modern Foreign Languages, Music

## DIVISION OF SOCIAL SCIENCES

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

## DIVISION OF NATURAL SCIENCES

Biology, Chemistry, Geology and Geography, Mathematics, Physics

## DIVISION OF AIR SCIENCE

## DIVISION OF HEALTH AND PHYSICAL EDUCATION

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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 who has met 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 — one of two closely related semester courses
- odd number — 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 provisional failure, 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 1958-59.

\* An asterisk indicates that the course will not be offered in 1959-60.

† A dagger indicates that the course will probably be offered in 1959-60.

Graduation requirements at Colby are stated 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 HUMANITIES

*Chairman, PROFESSOR CHAPMAN*

A combined major is offered by the English and Classics Departments. Requirements for the combined major are

In English: 223, 224; one full year period course or its equivalent in semester courses; 411, 412.

In Classics: either three years of Latin above the level of 103, 104, or three years of Greek.

### Divisional Courses

#### HUMANITIES

##### 101, 102. PROBLEMS IN CREATIVE THINKING (Freshman Section)

A section of 301, 302, described below, especially adapted for a number of selected freshmen.

##### [301, 302. PROBLEMS IN CREATIVE THINKING] (Upperclass Section)

A course designed to stimulate students to creative thinking through the exploration of problems developed by the class. Although the upperclass and the freshman sections employ the same method, they operate independently. The content of each is divided into five units, each taken from a different field (science, the arts, philosophy, etc.) and directed by a member of the faculty in the field concerned. The students are presented with a general problem area rather than with a specific problem, and they are encouraged to develop hypotheses rather than to seek the opinion of authority.

### Art

*Chairman, PROFESSOR CARPENTER*

*Professor Carpenter and Assistant Professor Miller*

Major requirements: Art 121, 122, 231, 411 and ordinarily 211; at least two semester courses chosen from Art 251, 272, 312, 313, 314; and additional courses in Art to bring the total to nine semester courses. Two semester courses in European history. The C average is based on courses taken in the department.

##### 121, 122. INTRODUCTION TO ART

In the first semester, an analytical approach to the visual arts and the historical development of European art through the Middle Ages. In the second semester, the history of art from the Renaissance to the present.

*Messrs. Carpenter and Miller*

## \* 211. THEORY AND PRACTICE OF DRAWING

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

Prerequisite: General aptitude.

*Mr. Carpenter*

## \* 212. ADVANCED DRAWING

A continuation of the work begun in 211, with more complex problems. Modelling in clay is done to intensify knowledge of the human figure. Limited to 15 students.

Prerequisite: Art 211.

*Mr. Carpenter and Mr. Miller*

† [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.

## \* 251. ARCHITECTURE

A survey of architectural styles with emphasis on modern developments. Work in the course will include problems in architectural design and the making of models of historical buildings.

*Mr. Miller*

## \* 272. AMERICAN ART

A survey of architecture, sculpture and painting from Colonial times to the present. Lectures and problems will make use of the original material in the Colby collections.

*Mr. Miller*

## \* 312. 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.

*Mr. Miller*

† [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.

## † [314. 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.

## 321, 322. STUDIO WORK

A course in oil painting, with increasing emphasis on independent and original work.

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

*Mr. Carpenter*

## 411. SEMINAR IN ART HISTORY AND CRITICISM

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

*Mr. Carpenter and Mr. Miller*

## Bibliography

*Associate Professor McKenna and Associate 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; sophomores by permission.

## Classics

*Professor Allen*

## Major requirements:

Classics: three years of Latin above 103, 104 and three years of Greek.

Greek: four years of Greek, and History 261, 262 or one additional course in the Classics Department.

Latin: four years of Latin above 103, 104 and History 261, 262 or one additional course in the Classics Department.

Attention is invited to the opportunity for concentrating in the combined major Classics-English. See page 51.

Placement Test: Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college. (See page 23 for further details.)

## CLASSICS COURSES IN ENGLISH

[Classics 221, 222. LITERATURE AND THOUGHT OF THE  
CLASSICAL WORLD]

Readings in English translation of major works of Classical Literature from Homer to St. Augustine, including the *Iliad* or *Odyssey*, Greek Tragedy, Herodotus' History, Plato's *Republic*, Vergil's *Aeneid*, Ovid's *Metamorphoses* and St. Augustine's *Confessions*. Attention will be given both to the literary qualities of the works and to the development of classical thought from the beginning to Christianity.

Open without other prerequisite to all students of sophomore standing or higher.

[HISTORY 261, 262. CLASSICAL CIVILIZATION]

See page 79.

## GREEK

101, 102. ELEMENTARY GREEK

Introduction to the language; reading of Attic prose.

Prerequisite: none.

[103, 104. HOMER AND EARLY LYRIC POETRY]

A reading course primarily in the Homeric poems, with some reading of the early lyric and elegiac poets.

Prerequisite: Greek 101, 102.

[241, 242. GREEK TRAGEDY]

Selected tragedies of Aeschylus, Sophocles, and Euripides.

Prerequisite: Greek 103, 104.

[243, 244. GREEK PHILOSOPHY AND HISTORY]

Reading of one or more works of Herodotus, Thucydides, Plato, or Aristotle. The work to be read will be determined by the particular interests of the students.

Prerequisite: Greek 103, 104.

## LATIN

[101, 102. ELEMENTARY LATIN]

Introduction to the language; reading of Caesar and Cicero.

Prerequisite: none.

103, 104. INTERMEDIATE LATIN

Review of Latin grammar; reading and discussion of Vergil's *Aeneid*, Books I-VI. The course begins with review particularly for the benefit

of students whose study of Latin may have been interrupted for several years.

Prerequisite: Latin 101, 102 or two years of high school Latin. Students offering three or four years of high school Latin may take Latin 103, 104 if they are not adequately prepared for Latin 105, 106.

#### 105, 106. READING IN LATIN LITERATURE

Reading and discussion of a variety of Latin writers, including Ovid, Sallust, and Livy.

Prerequisite: Latin 103, 104 or four years of high school Latin. This course is a prerequisite for all Latin courses listed below.

#### 231. LYRIC POETRY

Catullus and the *Odes* of Horace.

#### [232. DRAMATIC POETRY]

Comedy (Plautus and Terence) and Tragedy (Seneca).

#### [233. ELEGY]

Tibullus and Propertius.

#### 234. RHETORIC

Orations of Cicero and the *Institutes* of Quintilian.

#### [235. SATIRE]

The *Satires* and *Epistles* of Horace and later Latin satirical prose and poetry.

#### [236. LATER LATIN PROSE]

Tacitus and other prose writers of the Empire.

#### [237. PHILOSOPHICAL POETRY: LUCRETIUS]

The *De Rerum Natura* of Lucretius.

#### [238. PHILOSOPHICAL PROSE]

Selections from the philosophical works of Cicero and Seneca, and from the *Confessions* of St. Augustine.

#### [251. VERGIL]

Books VII-XII of the *Aeneid*.

#### [252. CAESAR AND CICERO]

The political careers of Caesar and Cicero and the relations between them studied in their writings.

## English

Chairman, PROFESSOR CHAPMAN

*Professors Weber, Marriner, Chapman and Strider; Associate Professors Alice Comparetti, Benbow and Cary; Assistant Professors Sutherland, MacKay, Suss and Iorio; Mr. Witham, Mr. Yokelson, Mr. Clarke, Dr. Crawford, Mr. Garab, and Instructors.*

Requirements for majoring in English Literature are: in the sophomore year, English 223, 224 and History 243e, 244; in the junior year, two 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 year period course or its equivalent in semester courses. Those courses classified as period courses are: 311, 312, 314, 315, 316, 318, 331, 332, 333, 334, 336, 351, 352, 411, 412, 413, 421, 422, 423, 424.

Requirements for majoring in American Literature are: in the sophomore year, English 221e, 222 and History 281e, 282; in the junior year, English 351, 352 and one year of English Literature in periods before 1800; in the senior year, English 423, 424 and English 421, 422. English 313 is considered as a period course for American Literature majors and is recommended.

The history requirement for either major may be met by prescribed reading and examination.

Attention is invited to the opportunity for concentrating in the combined major Classics-English. See page 51.

A non-credit course in Remedial English is offered for those students who are referred to it from upper classes.

### 121e, 122. ENGLISH COMPOSITION

Training in clear, accurate, and intelligent use of the English language. Required of all freshmen. *Mr. MacKay and Staff*

### 131d. GENERAL SPEECH

A general course in the fundamental principles of the composition and oral delivery of speeches. *Messrs. Witham and Suss*

### 151d. ADVANCED SPEECH

A study of the composition and oral presentation of extended speeches. Emphasis is placed upon practical problems encountered in a variety of speaking situations. *Messrs. Witham and Suss*

### 221e, 222. INTRODUCTION TO LITERATURE IN ENGLISH

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

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

### 223, 224. THE ROMANTIC REVIVAL

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

Prerequisite: English 121. *Mr. Chapman*

## 253. ARGUMENTATION AND DEBATE

A study of the principles of argumentation with application in extended persuasive speeches and formal debate.

Prerequisite: English 131 (141, 142) or by permission. *Mr. Witham*

## 254. ORAL INTERPRETATION

Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience.

Prerequisite: English 221 or 223. *Mr. Witham*

## [281, 282. DEVELOPMENT OF THE THEATRE]

Drama in the western world from the ancient Greek to the beginnings of modern realism. Significant plays will be read and discussed against the background of developing production techniques and the social and intellectual context.

Prerequisite: English 121. Qualified students may be admitted to the second semester without the first.

## 311d. CHAUCER

English Literature from the beginning to 1400. The first half of the course will consider *Beowulf*, selected Anglo-Saxon lyrics, Round Table materials, and early popular ballads and lyrics. The latter half will be devoted to an intensive study of Chaucer's *Canterbury Tales*.

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

## [312. THE EARLIER RENAISSANCE]

A brief study of a few major authors — and concepts — of the Italian Renaissance as a background to an intensive study of such authors as More, Erasmus, Wyatt, Surrey, Sidney, and Spenser.

Prerequisite: English 221, 222; or 223, 224.

## 313. SHAKESPEARE

Eight or ten representative plays of Shakespeare, with attention to their literary qualities, the development of Shakespeare as a dramatist, and the intellectual background of the Elizabethan age as reflected in his art. Designed especially for non-majors.

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

## 314. TUDOR AND STUART DRAMA

A study of the development of English drama in the Renaissance and of Shakespeare's contemporaries. Attention will be focused on major plays and major dramatists including Kyd, Marlowe, Jonson, Webster, and Ford.

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



## 315. THE LATER ENGLISH RENAISSANCE

An intensive study of selected writers of the later English Renaissance, including Donne, Herbert, Marvell, Herrick, Jonson, Dryden, and Bunyan.

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

## 316. SEVENTEENTH CENTURY PROSE

Thought and expression in the prose literature of 17th century England. Selected works of Hooker, Bacon, Browne, Burton, Taylor, Milton, Hobbes, the Cambridge Platonists, Locke, Dryden, and others; reflections of the rise of the new science, and of political, philosophical, and religious change.

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

## 318. MILTON

A study of Milton's poetry and prose.

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

## 331. 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*

## 332. 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*

## 333. POETRY OF THE VICTORIAN AGE

A study of Victorian poetry, especially that of Tennyson and Browning, but other Victorians, both English and American, are included.

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

## 334. PROSE OF THE VICTORIAN AGE

A study of Victorian prose stressing the major essayists but including consideration of the Victorian novel.

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

## 336. HISTORY OF THE ENGLISH LANGUAGE

An historical study of the vocabulary and grammar of English, its sources and its modern trends.

Prerequisite: English 121 and at least one year of foreign language completed in college or exemption from foreign language requirement by passing of Reading Knowledge Examination. *Mr. Marriner*

## 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.

Prerequisite: English 221, 222; or 223, 224. *Messrs. Iorio and Garab*

## 351. EARLY AMERICAN AUTHORS

Selected prose and poetry from the Puritan period, the Age of Reason, and the Pre-Romantic movement in American literature.

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

## 352. 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.

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

## [361, 362. THE ENGLISH NOVEL]

Readings in the major novelists of the British tradition. In the first semester, Defoe to Dickens; in the second, Thackeray to Joyce. Designed especially for non-majors.

Prerequisite: English 221, 222; or 223, 224.

## \* 363, 364. MODERN DRAMA

The modern theatre in America and Europe, approached through critical reading and discussion of the outstanding plays of the late nineteenth and the twentieth centuries, with lectures on the important theatrical movements of the time. Designed especially for non-majors.

Prerequisite: English 221, 222; or 223, 224. Qualified students may be admitted to the second semester without the first. *Mr. Suss*

## 371. EXPOSITORY WRITING

A course designed to help the student in any major field to become more proficient in the kind of writing demanded in business and professional life.

Prerequisite: English 121. *Mr. Marriner*

## 381, 382. WRITERS' WORKSHOP

A course designed 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. Iorio*

## 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 juniors by permission.)

Prerequisite: 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 by each student each semester. (Although this is a continuous course, either semester may be elected separately by qualified students.)

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

## 423, 424. 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. The first semester may be taken alone but is a prerequisite for the second.

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

**Modern Foreign Languages**

*Chairman, PROFESSOR MCCOY*

*Professor McCoy; Associate Professors Strong, Smith, Bither, Kellenberger, Biron, and Holland; Assistant Professors Schmidt and Brady; Mr. Cauz, Mr. McKeen, and Mr. Bucher.*

Placement Test: Every student offering a foreign language for entrance credit must take the placement test in that language if he wishes to continue with it in college. (See page 23 for further details.)

**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. A student desiring certification for teaching French must also include French 311 and 414. When computing the C average, all courses taken in the department are included.

## 101, 102. ELEMENTARY FRENCH

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy French; collateral reading. One hour per week of language laboratory.

*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. Special sections with one hour per week of language laboratory.

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*

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

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

Prerequisite: French 105, 106.

*Mr. Smith*

## FRENCH 223, 224. CONVERSATIONAL FRENCH

Practice in oral French for students whose main interest is in the spoken aspects of the language. Organized development of new vocabulary by means of oral and written reports based on reading of periodicals, newspapers, and French texts concerning the culture and life of modern France. Class discussion of current events to develop free oral expression. Intensive training in the use of correct grammatical and idiomatic construction. Intended primarily for non-majors. Conducted in French.

Prerequisite: French 105, 106.

*Mr. Biron*

## 311. 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 or 223, 224.

*Mr. Strong*

## 312. ADVANCED SPOKEN AND WRITTEN FRENCH

A continuation of French 311, with more emphasis on free composition, originality of expression, and extemporaneous speaking. Conducted in French.

Prerequisite: French 311.

*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*

## † [355. THE FRENCH REALISTIC NOVEL OF THE 19TH CENTURY]

Study of the form and development of the realistic novel in France through the reading of representative novels of Balzac, Flaubert, and Zola. Particular attention given to the "Comédie humaine" of Balzac. Conducted chiefly in French.

Prerequisite: French 105, 106.

## 414. 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*

## † [454. DIDEROT]

A study of the works of Diderot and his contributions to the thought of the eighteenth century. Particular emphasis upon his literary and aesthetic ideas. Course conducted in seminar style with individual oral and written reports. 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 107, 108; 225, 226; and any two of the three German courses: 343 344; 345, 346; 461, 462; History 121, 122. When computing the C average, all courses taken in the Department are included.

## 101, 102. ELEMENTARY GERMAN

Introduction to the language; pronunciation; grammar; composition; conversation; vocabulary building; reading of easy German; collateral reading. One hour per week of language laboratory.

*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. Bither*

## 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.

Prerequisite: German 107, 108 or special permission.

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

Characteristic works of representative men, including Novalis, Tieck, Schlegel Brothers, Eichendorff, Rückert, Körner, Uhland, Kleist, Heine, Ludwig, Grillparzer, Hebbel, and Hauptmann. Literary movements: Romanticism, Young Germany, Realism, Naturalism.

Prerequisite: German 107, 108 or special permission. *Mr. Bither*

## 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 225, 226 and either 343, 344 or 345, 346. *Staff*

## ITALIAN

## 232. DANTE

A study of the *Divina Commedia* as the literary masterpiece of the Middle Ages. The course will draw upon the philosophy, art, and literature of the period to illustrate the meaning of this work. Lectures, reports, and discussions; readings in English translation; no knowledge of the Italian language required. *Mr. Kellenberger*

## † [235. ITALIAN LITERATURE OF THE RENAISSANCE]

Reading and interpretation of the major literary works of the fourteenth and fifteenth centuries; the *Decamerone* of Boccaccio; the *Rime* of Petrarcha; the *Orlando furioso* of Ariosto; the *Principe* of Machiavelli; the *Cortegiano* of Castiglione. Lectures, reports, and discussions; readings in English translation; no knowledge of the Italian language required.

## PORTUGUESE

## † [211. ELEMENTARY PORTUGUESE]

An introduction to the language through the medium of Spanish. Course designed to develop in one semester a working knowledge of the written and spoken language of Brazil.

Prerequisite: Spanish 103, 104 with a grade of A or B, or Spanish 105, 106, or current enrollment in Spanish 105.

## † [212. LITERATURE IN PORTUGUESE]

A study of some of the masterpieces of Portuguese and Brazilian literature, with special emphasis on the *Lusiads* of Camoes.

Prerequisite: Portuguese 211.

## SPANISH

Major requirements: Spanish 105, 106; 221, 222; and any two of the three Spanish courses: 341, 342; 347, 348; 357, 358; German 225, 226; History 121, 122. A student desiring certification for teaching Spanish must also include French 414. When computing the C average, all courses taken in the Department are included.

## 101, 102. ELEMENTARY SPANISH

Introduction to the language; pronunciation; grammar, composition; conversation; vocabulary building; reading of easy Spanish; collateral reading. One hour per week of language laboratory.

*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. This course is not open to students who receive a mark of B or higher in Spanish 101, 102.

*Miss Brady and Staff*

## 105, 106. READINGS IN SPANISH LITERATURE

An introduction to some of the masterpieces of Spanish Literature from the Middle Ages to the present day. Translation, class discussion, collateral reading, and grammar review. One hour per week of language laboratory, with emphasis on pronunciation, intonation, and comprehension and use of the spoken language. Conducted chiefly in Spanish.

Prerequisite: Spanish 101, 102 with a grade of A or B, or Spanish 103, 104. Open to freshmen with three years of high school Spanish, and to those with two years of preparation, whose achievement, as indicated by the placement test, is superior.

*Mr. Holland and Staff*

## 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.

*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*



## \* 357. THE HISPANIC-AMERICAN ESSAY

A study of the philosophical and political thought of Latin America, as presented in the works of the principal essayists. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

*Miss Brady*

## \* 358. HISPANIC-AMERICAN POETRY

A study of the various movements in the poetry of Latin America from "Modernismo" to the present day. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222.

*Miss Brady*

## 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 or 357, 358.

*Staff*

**Music**

*Chairman, PROFESSOR COMPARETTI*

*Professor Comparetti and Assistant Professor Ré*

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 Ré*

## 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. Ré*

## 112. HARMONY

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

Prerequisite: Music 111 or equivalent.

*Mr. Ré*

## 211. COUNTERPOINT

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

Prerequisite: Music 111, 112.

*Mr. Ré*

## 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. Ré*

## [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.

Prerequisite: Music 101, 102, 111, 112.

## APPLIED MUSIC

Private lessons in voice and in one of the following instruments—piano, organ, violin, viola, violoncello and bass viol—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 Mr. Roger Nye; in stringed instruments to Mr. Bernard Morel or Mr. Max Cimbollek; in organ to Mr. John E. Fay.

For participation in the College Glee Club, 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 Department 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.

## DIVISION OF SOCIAL SCIENCES

*Chairman, ASSISTANT PROFESSOR RAYMOND*

For details of the graduation requirement in Social Sciences see pages 17-19. Not more than one course below the 200 level may be counted toward this requirement.

History 121, 122 and Economics 221, 222 or 241, 242 have been integrated to provide an elective freshman-sophomore sequence.

Opportunity is offered for concentration in the following inter-departmental majors as well as in the usual departmental subjects:

- (a) *History, Government, Economics*; Adviser, Mr. Pullen.  
Major requirements: History 121, 122, 281, 282, and two additional semester courses in history; Government 241, 242, and two additional semester courses in government; Economics 241, 242, 321, 322, and two additional semester courses in economics.
- (b) *American Civilization*; Adviser, Mr. Bridgman.  
Major requirements: History 281, 282 and four additional semesters of American History; Government 241, 242; English 341, 342 and two additional semesters of American Literature; Economics 221, 222 or 241, 242; Philosophy 352 and Religion 316.
- (c) *Philosophy-Religion*; Adviser, Mr. Clark. See page 83.
- (d) *Psychology-Mathematics*; Adviser, Mr. Johnson. See page 76.

### Divisional Course

#### 121e, 122. SOCIAL THINKERS IN THE WESTERN TRADITION

Selected writings of six great social thinkers in Western civilization are studied during the year in this course, which is taught cooperatively by faculty members from the departments of Business Administration, Economics and Sociology, History and Government, and Philosophy and Religion. The class meets together once a week for a lecture, followed by two weekly meetings in discussion sections. The social thinkers to be considered in 1958-59 are Plato, John Calvin, John Locke, Adam Smith, John Stuart Mill, and Karl Marx.

Open only to freshmen.

*Mr. Raymond and Staff*

### Business Administration

*Acting Chairman, ASSOCIATE PROFESSOR WILLIAMS*

*Professor Eustis; Associate Professors Seepe, Williams, and Zukowski; Miss Whitcomb and Mr. Wescott.*

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 C average (see "Major," page 20); Economics 241, 242; and Business Administration courses above 100 level.

## 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.

*Miss Whitcomb*

## 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. Zurowski*

## [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. Zurowski*

## 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.

*Mr. Wescott*

## 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. Wescott*

## [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. Wescott*

## 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.

*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; Economics 241e, 242.

*Mr. Williams and Mr. Zukowski*

## Economics and Sociology

*Chairman, PROFESSOR BRECKENRIDGE*

*Professors Breckenridge and Pullen; Associate Professor Birge; Assistant Professors Barlow and Geib; Mr. Rosenthal.*

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 selected 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 331, 341, 342, 371, 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 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*

#### † [331. 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.

## \* 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. *Mr. Pullen*

## † [351. 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.

## 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*

## 371. 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. *Mr. Breckenridge*

## 392. 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. Barlow*

## 393. INTERNATIONAL COMMERCIAL POLICIES

A study of the basic principles and problems of international commercial policy, with particular reference to the commercial policy of the United States. This will include a discussion of the principles, problems and institutions of international economic cooperation, especially in the post-World War Two period.

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

## [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.

## SOCIOLOGY

Major requirements: Sociology 221, 222, and eight additional semester courses in Sociology, including Sociology 311, 312; Economics 221, 222; and two semester courses in History.

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 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.

## † [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.

## 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. Geib

## \* 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.

*Mr. Geib*

\* 351. RACE AND MINORITY GROUPS

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

Prerequisite: Sociology 221, 222.

*Mr. Birge*

\* 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.

*Mr. Birge*

† [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.

\* 391. COLLECTIVE BEHAVIOR

A social analysis of phenomena of collective behavior — crowds, public opinion, propaganda, and communication — and the forces which mold each. Special attention is given to the major mass media and their function in modern society.

Prerequisite: Sociology 221, 222.

*Mr. Geib*

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. Geib*

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.

Prerequisite: Senior standing, and permission of the instructor.

*Mr. Birge*

## Education and Psychology

Chairman, PROFESSOR JOHNSON

*Professor Johnson, Associate Professor Smith,  
and Assistant Professor Gillespie*

### EDUCATION

All students who are interested in teaching should read the section of this catalog on page 105 under the title, *Preparation for Teaching*.

The College through this department offers four basic semester courses—Education 311, 312, and 411, 412—which are designed especially for prospective teachers. These courses meet the requirements of the State Department of Education in Maine for the Two Year Provisional Secondary Certificate. That certificate is granted to college graduates who have completed twelve semester hours in Education and Psychology (no more than six of which may be in Psychology). Furthermore, these courses are acceptable in most states for credit toward secondary school certification. They also may be considered as background courses for later specialized work in institutions which prepare teachers for elementary schools.

For qualified students, an opportunity is provided for practice teaching in local junior and senior high schools in the *Education Practicum*, Education 432.

The student who is planning to teach in another state should study the specific requirements of that state. Such information may be obtained from the appropriate department of education.

Students preparing for secondary school teaching would be well advised to qualify in two subject fields. This may mean limiting 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 secondary schools. With respect to this and other professional factors, candidates for teaching should consult with the staff of this department.

Special Methods Courses may be included among the courses presented for certification.

The Special Methods Course now offered is:

French 414. Teaching of French and Spanish in the Secondary School.

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

#### 311. HUMAN GROWTH AND DEVELOPMENT

A course in developmental psychology for prospective teachers, with emphasis on the biological, psychological, and social aspects of child growth and development from the pre-natal stages through adolescence. Observational studies of children will be encouraged.

Prerequisites: Recommendation of student's major advisor and permission of the instructor.

*Mr. Smith*

Note: Education 311, Human Growth and Development, is a course designed especially for prospective teachers. The general student should elect Psychology 333 in the Department of Psychology. Education 311 may not be taken in addition to Psychology 333 for graduation credit.

#### 312. EDUCATIONAL PSYCHOLOGY

A study of the child and adolescent in relation to the home, school, and community, with major emphasis placed upon the teaching-learning process in the school situation.

Prerequisite: Education 311.

*Mr. Smith*

## 411. HISTORY AND PHILOSOPHY OF EDUCATION

A consideration of the writings of educational thinkers from Plato to Dewey and a study of the School in historical perspective.

Prerequisites: Recommendation of the student's major advisor and permission of the instructor. *Mr. Smith*

## 412. THE SCHOOL IN AMERICAN SOCIETY

An examination of the various aspects of the American School System with special attention given to current issues and practices in elementary and secondary education.

Prerequisites: Education 411 or special permission. *Mr. Smith*

## 432. EDUCATION PRACTICUM

This course carries six semester hours of college credit, the equivalent of *two* semester courses, and will include one month of practice teaching in a local junior or senior high school. The student will not be expected to attend regular classes at college during the practice period, but will be advised to keep in close contact with the college work through frequent consultations with the college staff.

Students in this course will be introduced to general methods in classroom teaching and management with opportunities for classroom observation before the period of actual teaching begins.

Prerequisites: An average of B or better in the student's major field of concentration; recommendation of the department chairman of the student's major field, and special permission of the instructor of this course.

*Mr. Smith*

## [441, 442. 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 study, reports, and a final paper will be required.

Prerequisites: An average of B or better in the student's major subject; recommendation of the department chairman of the student's major field, and special permission of the instructor. *Mr. Smith*

## PSYCHOLOGY

Requirements for the major in psychology are: Psychology 221e, 224; 353; 371d; 471 and three additional semester courses in psychology; Biology 101, 102 or Sociology 221, 222.

Students intending to continue specialization in psychology beyond the undergraduate level may wish to elect, instead, the combined major in Psychology-Mathematics. Requirements for this major are: Psychology 221e, 224; 353, 371d; 471 and one additional semester course in Psychology; Biology 101, 102 or Sociology 221, 222; and six semester courses in Mathematics comprising either (a) Mathematics 123, 124; 221, 222; 381, 382 or (b) Mathematics 125, 126; 381, 382 plus two additional semester courses in Mathematics.

Since the mathematics courses in the combined major may be used by the student to satisfy the college's science requirement, the number of free electives available to the student is not materially reduced.

Students should consult with the Department of Psychology regarding the advisability of electing this combined major, and should register for the first course in mathematics in the freshman year.

#### 221e. GENERAL PSYCHOLOGY

An introduction to the biological and social foundations of behavior with attention given both to facts and to methods of observation; covering our perception of the world, emotion and motivation, learning and memory.

*Mr. Johnson and Mr. Gillespie*

#### 222. APPLIED PSYCHOLOGY

A terminal continuation of course 221e. This course may not be credited toward completion of a major in psychology and may not be offered, in addition to Psychology 224, for course credit.

Application of psychological techniques to problems of society and of the individual — in education, in industry, and in everyday life.

Prerequisite: Psychology 221e, or senior standing and permission.

*Mr. Johnson*

#### 224. PSYCHOLOGICAL STATISTICS

A continuation of course 221e to be elected by all students contemplating the major in psychology or the combined major in psychology-mathematics. Prerequisite for advanced courses in the department. This course may not be offered, in addition to Psychology 222, for course credit.

An introduction to psychological measurement and experimental design, with applications to various areas in psychology. Primary stress is on the development of an understanding of the fundamentals of statistics.

*Mr. Gillespie*

#### 333. DEVELOPMENTAL PSYCHOLOGY

A study of the life continuum from infancy to old age, with special attention given to childhood and the adolescent years.

Prerequisite: Psychology 222 or 224.

*Mr. Smith*

#### 353. PSYCHOLOGICAL MEASUREMENT

A survey of problems and methods involved in the measurement of abilities, attitudes, and personality. Representative instruments from various areas will be examined in detail.

Prerequisite: Psychology 224.

*Mr. Gillespie*

#### 354. THEORIES OF PERSONALITY

An examination of the chief contemporary theories and of the principal issues in the psychological study of personality.

Prerequisite: Psychology 222 or 224.

*Mr. Gillespie*

## 371d. EXPERIMENTAL PSYCHOLOGY

Laboratory investigations of man's sensory and motor processes, perception, and learning.

Prerequisite: Psychology 224.

*Mr. Johnson*

## 412. SYMBOLIC PROCESSES

Methods and concepts in the psychological study of thought and language; examination of clinical and experimental procedures representative of recent research in verbal behavior, concept-formation, and imaginative thought.

Prerequisite: Psychology 224 and senior standing.

*Mr. Gillespie*

## 451. HISTORY AND SYSTEMS OF PSYCHOLOGY

The historical development of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis.

Prerequisite: three semester courses in psychology.

*Mr. Johnson*

## 471. PSYCHOLOGY SEMINAR

An integrative survey of the major areas of psychological endeavor, with special attention to social, clinical, and industrial psychology. Course meetings will be largely devoted to the presentation and discussion of individual reports.

Prerequisite: Senior standing and permission.

*Staff*

## 492. PROBLEMS IN PSYCHOLOGY

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

Prerequisite: Senior standing and permission.

*Staff*

## History and Government

*Acting Chairman, ASSOCIATE PROFESSOR GILLUM*

*Associate Professor Gillum; Assistant Professors Raymond and Berschneider; Dr. Bridgman, Mr. Rothchild, and Instructor.*

The Department offers majors in both History and Government.

Requirements for majoring in History are: either History 121e, 122, or Social Science 121e, 122, plus eight semester courses in History and two semester courses in Government. A student may not count both History 121e, 122 and Social Science 121e, 122, toward the fulfillment of this requirement. As of the class of 1960, all courses taken in the department, and Social Science 121e, 122, will be included in computing the C average required for the major.

Requirements for majoring in Government are: eight semester courses in government, including Government 221e, 222, Government 241e, 242, and Government 321, 322, plus either four semester courses in History, or two semester courses in History, and Social Science 121e, 122. A student may not count both History 121e, and Social Science

121e, 122, toward the fulfillment of this requirement. All courses taken in the department, and Social Science 121e, 122, will be included in computing the C average for the major.

Attention is invited to the opportunity for concentrating in such combined majors as (1) History, Government, and Economics; (2) American Civilization. See page 68.

## HISTORY

### 121e, 122. HISTORY OF MODERN EUROPE, 1500-1959

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; 121e, except for special permission, is prerequisite for 122. If necessary, enrollment in this course will be limited.

*Mr. Berschneider and Staff*

### 231. MEDIEVAL CIVILIZATION, 476-1300

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

*Mr. Berschneider*

### 232. RENAISSANCE AND REFORMATION, 1300-1648

An intellectual and cultural history of the period of transition from the medieval to the modern world.

*Mr. Berschneider*

### 241e, 242. HISTORY OF ENGLAND

The major general developments in English history, from the Saxon Conquest to the present, primarily as a study in the evolution of a political society.

(Students may not receive credit for both History 241e, 242, and History 243e, 244.)

*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.

(Students may not receive credit for both History 243e, 244, and History 241e, 242.)

Prerequisite: 243e is prerequisite for 244, except in cases of special permission.

*Mr. Gillum*

### [261, 262. CLASSICAL CIVILIZATION]

The culture of Greece and Rome, and their contributions to the Western World.

281e, 282. HISTORY OF THE UNITED STATES,  
1492 TO PRESENT

United States history, from the Age of Discovery to the present day. Although chronological symmetry is maintained, a special effort is made to show the value of political, constitutional, diplomatic, social, and economic interpretations.  
*Mr. Bridgman*

† [323, 324. DIPLOMATIC HISTORY OF EUROPE, 1815-1959]

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

Prerequisite: one year-course, or equivalent, in history or government, or special permission.

[331. MODERN IMPERIALISM]

An examination of the various theories explaining the overseas expansion of Europe and the United States from 1870 to the present. Special attention will be devoted to five or more case studies of imperialism in Africa and Asia.

Prerequisite: one year-course, or equivalent, in history or government, 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: one year-course, or equivalent, in history or government; History 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, Nietzsche, Bakunin, Sorel, Freud, et al.) with emphasis on nineteenth and twentieth century intellectual and cultural developments.

Prerequisite: History 121e, 122, or Social Science 121e, 122, or special permission.  
*Mr. Berschneider*

† [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: one year-course, or equivalent, in history or government, or special permission.

## \* 355. 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: one year-course, or equivalent, 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: one year-course, or equivalent, in History or Government, or special permission.

## 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: one year-course, or equivalent, in History or Government, or special permission. *Mr. Raymond*

## 374. HISTORY OF MODERN GERMANY

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

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Mr. Gillum*

## \* 391. THE WESTWARD MOVEMENT, 1763 - 1896

The West from the close of the French and Indian War to the defeat of Bryan in 1896. Emphasis is placed upon the West as a laboratory for political and economic experimentation.

Prerequisite: History 281e, 282, or special permission.

*Mr. Bridgman*

## \* 392. CONTEMPORARY AMERICA

The political history of the United States from 1929 to the present.

Prerequisite: History 281e, 282, or special permission.

*Mr. Bridgman*

## † [393. THE SOUTH IN UNITED STATES HISTORY, 1819 - 1896]

Selected topics in the history of the South and its peculiar institutions, during a period of incomplete transition from agrarianism to industrialism.

Prerequisite: History 281e, 282, or special permission.

† [SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES,  
1900 TO THE PRESENT]

Selected topics illustrating the changing social organization and cultural assumptions of twentieth-century Americans.

Prerequisite: History 281e, 282, 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; may also be taken by special permission. *Mr. Berschneider*

## 411d. TOPICS IN HISTORY

A study of history through special topics.

Prerequisite: history major, and special permission.

*Staff*

## 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 developments since World War II.

Prerequisite: Social Science 121e, 122, or History 121e, 122; Government 221e is prerequisite for 222; may also be taken by special permission. *Mr. Rothchild*

## 241e, 242. AMERICAN GOVERNMENT AND POLITICS

The organization, administration, and political system of the American government. *Instructor*

## 321, 322. POLITICAL THEORY

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

Prerequisite: Social Science 121e, 122, or History 121e, 122, or special permission. *Mr. Raymond*

## 332. POLITICAL PROBLEMS

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

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Instructor*

## 345, 346. INTERNATIONAL RELATIONS

A study of the basic factors governing international relations and the structure of international organization.

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Mr. Rothchild*

## 353. GOVERNMENTS OF MODERN AFRICA

An analysis of political systems in Africa south of the Sahara Desert.

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Mr. Rothchild*

## 355. POLITICAL PARTIES

A study of American political parties, with emphasis on campaigns and elections.

Prerequisite: one year-course, or equivalent, in History or Government, or special permission. *Instructor*

## 358. FOREIGN POLICY OF THE UNITED STATES

A seminar in the problems of planning and executing American foreign policy.

Prerequisite: Government 241e, 242, or equivalent; or Government 345, 346, or equivalent; or, special permission. *Mr. Rothchild*

## [372. PUBLIC ADMINISTRATION]

An introduction to the study of the operational side of government with special attention to the American national government.

Prerequisite: Government 241e, 242, or special permission.

## [376. STATE AND LOCAL GOVERNMENT]

An examination of the structure, development, and current problems of American state and local government.

Prerequisite: Government 241e, 242, or special permission.

## Philosophy and Religion

*Chairman, PROFESSOR CLARK*

*Professors Bixler and Clark; Associate Professor Osborne; Assistant Professor Reuman; Dr. Todrank and Instructor.*

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, 112 or 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 111, 213, 214, 311, 381 or 382. Philosophy 112, 211, 331, 332 or 354 or 352, 372.

For the general student, recommended opening courses in Philosophy are as follows. I. The sequence, Religion 111, Philosophy 112, available especially for freshmen. II. For students first electing a Philosophy course at the sophomore level or higher, Philosophy 211, followed by 214. III. For students interested in the historical development and the greatest figures of Western Philosophy, Philosophy 311 and 332.

## PHILOSOPHY

## 112. INTRODUCTION TO WESTERN PHILOSOPHY

Some of the great ideas of Western Philosophy and their bearing on the questions of contemporary thought. This course is a suitable sequel to Religion 111, Introduction to Western Religion.

Prerequisite: standing not higher than sophomore.

*Mr. Clark and Staff*

## 211. LOGIC

A study of some forms and principles of valid reasoning, with illustrations from common sense, and from various fields of critical thought.

*Mr. Clark and Staff*

## 212. MORAL PHILOSOPHY

(a) Introductory study of the basis of judgment on questions of good and bad, right and wrong. (b) The application of ethical principles to questions of political obligation and social value.

*Mr. Reuman and Staff*

## 311. PRESENT CONFLICTS IN POLITICAL PHILOSOPHY

The philosophies of Communism, Facism, and of the leading current movements in Democratic social thought. Prominent philosophers from Hobbes to the present 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.

Prerequisite: two semester courses in the department or special permission.

*Mr. Reuman*

## 312. ETHICAL ISSUES IN THE MODERN WORLD

An attempt to discover and clarify the basic ethical issues behind some current controversies such as those concerning individualism, conformity and equality; the "organization man"; sexual morality, the family and divorce; discriminatory social practices; the ethics of labor-employer relations, of communications and the press; the ethics of representative politics, of military action and non-violence, of business and the professions etc. Members of several departments in the Division of Social Sciences will be consulted for special knowledge bearing on those issues which are chosen for particular study.

Prerequisite: Four semester courses in the Division of Social Sciences, including courses in two different departments, one of which should be Philosophy 212. In special cases exceptions may be made to these requirements by the consent of the instructors.

*Mr. Clark and Staff*

## [313. ETHICS]

A systematic study of the basis of judgment on questions of right and wrong; and of the way in which several of the arts and sciences may each make its contribution to the understanding of such questions.

Prerequisite: two semester courses in the department or special permission.

## 314. AESTHETICS

A study of the general theory of beauty and art in its relation to problems of criticism in literature and the fine arts.

Prerequisite: two semester courses in the department or special permission.

*Instructor*

## 315. TYPES OF PHILOSOPHY

A comparative study of the more important types of metaphysical systems, such as: Naturalism, Idealism, Personalism; Realistic Dualism.

Prerequisite: two semester courses in the department or special permission.

*Mr. Todrank*

## [316. PHILOSOPHY AND MODERN SCIENTIFIC THOUGHT]

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

Prerequisite: two semester courses in the department or special permission.

*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. Reuman*

## 352. AMERICAN THOUGHT

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

*Mr. Bixler*

## 353. CONTEMPORARY PHILOSOPHY

This course will be concerned with tracing major movements in philosophy since Kant. Emphasis will be placed on the influence that European philosophy and the scientific developments of the nineteenth century have had on contemporary thought.

Prerequisite: Philosophy 332 or Philosophy 352 or the consent of the instructor.

## 354. HISTORY OF MEDIEVAL PHILOSOPHY

From Augustine to William Ockham with preliminary consideration of Neo-Platonism. A study of the interaction between philosophy and Christian theology in medieval Europe; the scholastics and the issues to which they addressed themselves.

Prerequisite: Philosophy 331, or permission of the instructor.

## 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: four semester courses in Philosophy. *Staff*

## RELIGION

## 111. INTRODUCTION TO WESTERN RELIGION

The development of the Judeo-Christian tradition; its origins and growth, and its influence on Western culture in several of its aspects. This course provides a suitable background for Philosophy 112, Introduction to Western Philosophy.

Prerequisite: standing not higher than sophomore. *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. Todrank*

## 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. Todrank*

## 311. GREAT RELIGIONS OF THE WORLD

An account of the origins and chief characteristics of Hinduism, Buddhism, Taoism, Confucianism, Zoroastrianism, Judaism, 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. Osborne*

## 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 NATURAL SCIENCES

*Chairman, PROFESSOR KOONS*

Attention is directed to the combined major in Geology and Chemistry. The objective of this curriculum is to provide a broad and fundamental training integrating classical geology with the techniques of those aspects of chemistry, mathematics, and physics needed for progressive advancement in modern geological science. Advisers: Mr. Hickox, Mr. Machemer.

Suggested curriculum:

Freshman year: English 121, 122; Language; Mathematics 123, 124; Chemistry 141, 142; AFROTC or elective.

Sophomore year: Language; Mathematics 221, 222; Geology 251, 212; Physics 221, 222; AFROTC or elective.

Junior year: English 221, 222; Chemistry 221, 222; Geology 351, 352; two electives.

Senior year: Chemistry 321, 322; Geology 311, 312; three electives.

Attention is also invited to the combined major in Psychology and Mathematics. See pages 76-77.

### Divisional Courses

[201, 202. INTRODUCTION TO PHYSICAL SCIENCES]

A terminal course in the physical sciences for the non-science major. An integrated course demonstrating the interrelationships of chemistry, mathematics, and physics. The manner of development affords the student an opportunity to gain an appreciation and understanding of the structure, growth, and trends of the physical sciences.

Limited to sixty students.

Permission must be granted before a student may receive credit both for this course and courses in chemistry, mathematics, or physics.

Prerequisite: Biology 101, 102 or Geology 101, 102, or Geology 111, 112 or permission.

[211e, 212. EVOLUTION]

A combined course conducted by the departments of Geology and Biology, considering the problem of evolution, including the interpretation of fossil records of environments and organisms, and an analysis of modern taxonomy and genetics. Considerable attention will be given to the impact of evolutionary theory on Western thought.

### Biology

*Chairman, PROFESSOR SCOTT*

*Professor Scott; Associate Professor Terry; Assistant Professors Crocker and Spiegel.*

Major requirements. Professional major: Mathematics 123, 124; Physics 141, 142; Chemistry 141, 142; 223, 224; Biology 101, 102 and three additional years of biology. French and German strongly suggested.

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.

*Mr. Crocker*

## 241, 242. PRINCIPLES OF VERTEBRATE GROWTH AND FORM

The subject matter of comparative anatomy and the embryology of the vertebrates is integrated in a way which allows the introduction of modern ideas concerning structure in relation to function. Some of the newer material covered includes mathematical principles of growth and form, elements of comparative biochemistry and comparative physiology.

Prerequisite: Biology 101, 102 passed with a grade of C or better.

*Mr. Spiegel*

## † [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*

## 311. EXPERIMENTAL EMBRYOLOGY

A study of experiments and concepts in embryology.

Prerequisite: Biology 241, 242 or its equivalent.

*Mr. Spiegel*



## 312. GENETICS

The following topics are discussed: mendelian principles and their physical basis; linkage, mutation and the nature of the gene; genetics and evolution, and a survey of human heredity.

Prerequisite: Biology 101, 102.

## † [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 six experiments involving different technical and theoretical approaches to the field.

Prerequisite: Biology 101, 102; Chemistry 141, 142.

## 314. 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

*Chairman, PROFESSOR REID*

*Professor Reid; Associate Professor Ray; Associate Professor Machemer.*

The Chemistry Department at Colby is accredited by the American Chemical Society for training on the undergraduate level. The content and nature of the courses offered in the professional major furnish the student with the maximum depth, consistent with adequate breadth, in the field of chemistry, so that the graduate is well equipped for either university postgraduate work leading to the doctor's degree, or for a responsible position in chemical industry.

*Professional Major*

Required four-year curriculum as follows (subject to minor change by permission of the chairman of the department):

*Freshman year:* Chemistry 141, 142; English 121e, 122; Mathematics 123, 124 or 125, 126\*; Intermediate Language or Social Science; AFROTC or Elective.

*Sophomore year:* Chemistry 221, 222; English 221e, 222; Mathematics 221, 222; Physics 141, 142; AFROTC or Elective in Social Science or Humanities.

*Junior year:* Chemistry 223, 234; Chemistry 321, 322; German 101, 102; Social Science or Humanities; Elective.

*Senior year:* Advanced Chemistry; Advanced Chemistry or Elective; Social Science or Humanities; German 103, 104; Elective.

\* Following recommendation by the Mathematics Department.

Two years of French and a second course in Physics are highly recommended.

*Non-Professional Major*

Requirements: Chemistry 141, 142, 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.

Attention is called to the combined major in Geology and Chemistry. See page 88.

## 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

Selected fundamental principles of theoretical chemistry and systematic inorganic chemistry are studied. The laboratory work of the second term is devoted to semimicro qualitative analysis. No previous knowledge of chemistry or physics is necessary for this course.

Prerequisite: 141 is prerequisite for 142. *Mr. Machemer*

## 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. Offered only when sufficient demand.

Prerequisite: Chemistry 142. *Mr. Machemer*

## 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.

Prerequisite: Chemistry 142. *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.

Prerequisite: Chemistry 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 142, 221, 222. Mathematics 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. Machermer*

## 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. *Staff*

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 may be required. The Chemistry major should regard the advanced courses not only as opportunities for advancing and consolidating his undergraduate training, but also for gaining a foretaste of the intellectual climate common in industrial research laboratories and chemistry graduate schools.

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

### Geology and Geography

*Chairman*, PROFESSOR KOONS

*Professor Koons, Assistant Professor Hickox.*

Major requirements: Geology 111, 112 or 101, 102; 212; 251; 311, 312; 351; 352; Mathematics 123, 124; Chemistry 141, 142. Students planning professional careers in Geology should remember that graduate schools will require a summer field course or its equivalent, at least one year in Physics and Biology, and frequently an additional year in Mathematics, for admission, and that recipients of the doctorate must demonstrate a reading knowledge of two foreign languages.

Attention is also called to the combined major in Geology and Chemistry. See page 88.

## GEOLOGY

## 101, 102. INTRODUCTION TO GEOLOGICAL SCIENCE

A study of some of the fundamental contributions of geological science to the understanding of the Earth.

*Staff*

## [111. GEOMORPHOLOGY AND MAP INTERPRETATION]

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

## [112. PHYSIOGRAPHY OF THE UNITED STATES]

Structure and geologic history of the physiographic provinces of the United States.

Prerequisite: Geology 111.

## 212. DESCRIPTIVE MINERALOGY

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

Prerequisite: Chemistry 141.

*Mr. Hickox*

## 251. PALEONTOLOGY

Systematic study of fossils; evolution; the use of fossils in geologic correlation.

*Mr. Koons*

## 271. GLACIAL GEOLOGY

Study of the origin and development of glaciers, with special attention given to the Pleistocene of New England.

Prerequisite: Geology 101, 102; or 111, 112.

*Mr. Hickox*

## 311. OPTICAL MINERALOGY

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

Prerequisite: Geology 212.

*Mr. Hickox*

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

Optical study of the igneous, sedimentary, and metamorphic rocks, and their origin, structure, and composition.

Prerequisite: Geology 311, Mathematics 123, 124.

*Mr. Hickox*

## 351. STRUCTURAL GEOLOGY

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

Prerequisite: Geology 312.

*Mr. Hickox*

## 352. STRATIGRAPHY

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

Prerequisite: Geology 251 or Biology 253.

*Mr. Koons*

## [441. SEMINAR IN GEOLOGY]

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

Prerequisite: Senior standing.

## 461, 462. SPECIAL PROBLEMS IN GEOLOGY

Field and laboratory problems in Geology, with regular reports, and a final written report.

Prerequisite: Senior standing and permission.

*Mr. Koons*

## GEOGRAPHY

## 112. METEOROLOGY

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

*Mr. Koons*

## [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, taken or elected concurrently, or Air Science 122.

## [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.

## 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.

## Mathematics

*Chairman*, PROFESSOR COMBELLACK

*Professor Combellack; Associate Professor Lucille Zukowski; Mr. Wheeler; Mrs. Wheeler.*

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 C average: all mathematics courses.

Attention is invited to the combined major in Psychology-Mathematics. See page 76.

### [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 chairman 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.

### 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. *Mrs. Zukowski*

### 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 applications to geometry, physics, and mechanics, using rectangular and polar coordinates.

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

*Mrs. Zukowski and Mr. Wheeler*

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. Combella*

† [341, 342. GEOMETRY]

Analytic geometry of two and three dimensions; projective geometry.

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

\* 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.

*Mrs. Zukowski*

\* 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.

*Mr. Combella*

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. Combella*

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 and special permission.

*Staff*

## Physics

*Acting Chairman, ASSISTANT PROFESSOR MAYERS*

*Visiting Professor Brown; Assistant Professor Mayers; 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 211, 212, 213, 216, 221, 222, 301, 302; Mathematics 123, 124 or equivalent; 221, 222; Chemistry 141, 142. Courses used in computing the C average: Mathematics 123, 124, and all physics courses.

### 141, 142. ELEMENTARY PHYSICS

An introductory college physics course covering the fundamental branches of physics. This course is of a quantitative nature and satisfies the physics requirement of pre-medical and pre-dental students. Four semester hours per semester. *Instructor*

### 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 125, 126, or equivalent (either passed or elected concurrently). *Mr. Brown*

### 301, 302. ELECTRICITY AND MAGNETISM

The principles of direct and alternating currents and their more important applications. This course fulfills the needs of students planning to enter either physics or engineering. Physical rather than engineering methods are emphasized. *Mr. Brown*

### 311. MECHANICS

Statics, kinematics and dynamics with special emphasis on practical applications. A large part of classroom time is devoted to the analysis and solution of problems. *Instructor*

### 312. HEAT AND THERMODYNAMICS

A thorough study of heat phenomena, elementary thermodynamics and an introduction to kinetic theory. Applications are made to practical problems wherever possible. *Instructor*

### 313. OPTICS

Review of geometrical optics and the theory of some optical instruments followed by an intermediate treatment of physical optics including critical discussion of the wave-particle nature of light.

Prerequisite: Physics 221, 222.

*Mr. Mayers*



## 314. MODERN PHYSICS

A study of the experimental discoveries of physics in the twentieth century and of the genesis and applications of the new theories which have developed concurrently.

Prerequisite: Physics 221, 222.

*Mr. Mayers*

## [316. SOUND]

A study of the character of sound, the physical basis of music, acoustics of rooms, and acoustical apparatus.

Prerequisite: Physics 221, 222.

## [403, 404. ELECTRONICS]

The electronic structure of solids, thermionic emission, vacuum tubes, and their simpler applications in continuous wave and pulsed circuits, transistors, gas tubes, and microwaves.

Prerequisite: Physics 221, 222.

*Instructor*

## \* 411. NUCLEAR PHYSICS

The fundamentals of nuclear physics and measurement of nuclear radiation along with a study of vibrating systems, spectra, atomic and molecular structure, radioactivity, and recent developments in nuclear physics.

Prerequisite: Physics 314.

*Mr. Mayers*

## 331. TEACHING OF SCIENCE IN THE SECONDARY SCHOOL

Consideration of special problems in the teaching of sciences 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 aids, 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 another laboratory science, and an education course taken previously or concurrently.

*Mr. Brown*

## \* 421, 422. MATHEMATICAL PHYSICS

Outline of classical theoretical physics including Lagrangian and Hamiltonian dynamics and some boundary value problems. Introducing quantum mechanics with treatment of the harmonic oscillator, the hydrogen atom, and molecular binding.

Prerequisite: Physics 221, 222; Mathematics 321 concurrently.

*Instructor*

## 441, 442. SPECIAL TOPICS

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

Prerequisite: Junior standing, at least, and permission of instructor.

*Staff*

## DIVISION OF AIR SCIENCE

*Professor Kirby (Lt. Col.); Assistant Professors Limm (Capt.), Randall (Capt.), Forsman (Capt.), Renner (Lt.).*

## 121, 122. AIR SCIENCE I

*Foundations of Air Power.* A general survey of air power designed to provide the student with an understanding of the elements of air power and basic aeronautical science.

The academic part of this course consists of lectures on the fundamentals of air power including military airpower of the world, military instruments of national security, aerodynamics and general aviation.

Specialized instruction includes studies in military research and development, air vehicle industries, airlines and airways, elements of an aircraft, control and navigation, propulsion systems, and professional opportunities in the United States Air Force.

Leadership Laboratory includes customs of the services, military courtesy, and basic drill with leadership exercises. During the winter months, in place of leadership laboratory, lectures on the evolution of aerial warfare and weapons system development are offered.

## 221, 222. AIR SCIENCE II

*Logic and Moral Philosophy.* Satisfactory completion of Philosophy courses 211 (Logic) and 214 (Moral Philosophy), page 84, is a requirement of Air Science II. Final grades for Air Science II will be a composite grade of Air Science and Philosophy 211 grades in the first semester, and a composite grade of Air Science and Philosophy 214 grades in the second semester. Composite grades are determined by a ratio mutually established by the Departments of Philosophy and Air Science.

Leadership Laboratory is a continuation of Air Science I with emphasis on non-commissioned officer training. A continuation of the study of weapon systems development and lectures on United States Air Force operations are offered during the winter months.

## 321, 322. AIR SCIENCE III

*The Air Force Officer in the Air Age.* 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.

Prerequisite: Air Science 221, 222 or equivalent.

#### 421, 422. AIR SCIENCE IV

*Leadership and Air Power Concepts:* The principles of leadership 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 are assigned responsibilities and authority to operate the Cadet Corps under the supervision of the professor of air science and military faculty.

Prerequisite: Air Science 321, 322 or equivalent.

## DIVISION OF HEALTH AND PHYSICAL EDUCATION

*Chairman,* PROFESSOR LOEBS

*Professor Loebbs; Associate Professors Williams and Marchant; Assistant Professors Winkin, Clifford and Kelley; Mr. Coons; Mrs. Bither; 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 freshman 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 freshman 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, hockey, ping-pong, volleyball, winter sports, track, softball and tennis. As new interests develop, and facilities made available the program of intramural athletics will be increased.

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 activities 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, dance, swimming, volleyball, skating, skiing and tournaments; spring season: archery, golf, lacrosse, 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 athletics 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 1959-60 and alternate years only.

## INTERDEPARTMENTAL COURSES

EVOLUTION. *See Natural Science 211e, 212 (page 88)*

INTRODUCTION TO PHYSICAL SCIENCES. *See Natural Science 201, 202 (page 88)*

PROBLEMS IN CREATIVE THINKING. *See Humanities 101, 102 and 301, 302 (page 51)*

SOCIAL THINKERS IN THE WESTERN TRADITION. *See Social Science 121e, 122 (page 68)*

## PREPARATION FOR GRADUATE AND PROFESSIONAL SCHOOLS

### GRADUATE SCHOOLS OF ARTS AND SCIENCES

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, January and May. The May administration is too late for many graduate schools. Colby seniors are advised to take the examination in January.

### 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 and the Massachusetts 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 or M.I.T. 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 or M.I.T.

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 or M.I.T. In his Colby program, however, there is plenty of room for broad distribution in the humanities and the social sciences.

The Colby part of this plan is in charge of a committee composed of the Dean of Men and representatives of the departments of Mathematics, Physics, and Chemistry. The adviser is Professor Combellack.

#### 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.

Preceding entrance into medical school the applicant must take the Medical College Admission Test, preferably in May of the junior year.

#### 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. These tests are not administered by the Educational Testing Service.

#### LAW

No specific subject is required for admission into any school of law. The pre-law student is therefore free to major in any field of his choice. In fact, a recent publication of the American Bar Association encourages him to attain as broad a liberal arts education as possible.

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 three years of college. The leading schools of greatest prestige require a college degree for admission. 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.

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.

#### PREPARATION FOR TEACHING

Colby College offers courses in the Department of Education to enable prospective teachers to meet the requirements for high school teaching in the State of Maine.

A college graduate who has fulfilled the requirements in a major subject and with *twelve semester hours* in education and psychology may obtain the Two-Year Provisional Grade B Secondary Certificate from the Maine State Department of Education. The college graduate who has completed the requirements for a major subject and with *eighteen semester hours* in education and psychology may obtain the Five-Year Provisional Grade A Secondary Certificate. The major subject *must* be one which is ordinarily taught in high school, such as English, mathematics, history, modern language, chemistry, physics, or biology.

Each of the forty-eight states has a separate set of requirements for secondary school certification. A student who wishes to teach in a state other than Maine should obtain information concerning the specific requirements of the state in question from the appropriate department of education.

In view of the rather complicated situation with regard to teacher certification in the several states, many students are now thinking in terms



of a fifth year of preparation at the university level. The trend is definitely in the direction of a good background in the liberal arts followed by a year of study at a university with a Master's degree as the logical goal. Many Colby students have participated in fifth year programs with considerable success.

Colby is affiliated with the Twenty-nine College Program offered by the Harvard Graduate School of Education, where a Master of Arts in Teaching degree is awarded after successful completion of one year of study, including practice teaching. The College also has close contacts with the University of Maine and other universities which offer graduate study for teacher candidates. Financial assistance is available to qualified students at many universities.

The student who is interested in teaching should consult with the staff of the Department of Education for further information.



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CARL JEFFERSON WEBER, M.A. (Oxon.), Litt.D., (1958)  
 Waterville, Maine

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50 Burleigh Street

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\* On leave, 1957-58

\*\* On leave, second semester 1957-58

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2 Elm Street

\* On leave, first semester 1957-58

\*\* On leave, second semester 1957-58

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48 Johnson Heights
- PAUL JONATHAN LIMM, A.B. (Harvard) (Captain, USAF), Assistant Professor of Air Science.  
41 Violette Ave.
- WILLIAM DAVID RENNER, B.A. (Dartmouth) (First Lieutenant, USAF), Assistant Professor of Air Science.  
15 Johnson Heights
- FLOYD CELAND WITHAM, B.A. (Colby), Instructor in Speech in the Department of English.  
9 Lawrence Street
- DAVID GORDON BRIDGMAN, Ph.D. (Yale, Wisconsin, Harvard), Instructor in History.  
Rice's Rips Road
- JOHN HAMILTON COONS, M.S. (Springfield), Instructor in Health and Physical Education.  
125 North Street
- JOSEPH BERNARD YOKELSON, M.A. (Brown), Instructor in English.  
4 Dalton Street
- GUSTAVE HERMAN TODRANK, Ph.D. (DePauw, Boston University), Instructor in Philosophy and Religion.  
38 Pleasant Street
- HAROLDENE WHITCOMB, M.B.A. (Colby, New York University), Instructor in Business Administration. Director of Women's Union.  
Women's Union

- ROBERT FREDERICK CLARKE, M.A. (Connecticut, Boston University), Instructor in English.  
2 Sheldon Place
- WILLIAM RAY CRAWFORD, Ph.D. (Baylor, Michigan, Yale), Instructor in English.  
3 Brescia Court
- ARRA M. GARAB, M.A. (Swarthmore, Columbia), Instructor in English.  
2 Lawrence Street
- FRANCISCO ANTONIO CAUZ, M.A. (Villanova, Middlebury), Instructor in Modern Languages.  
82 Elm Street
- NORMAN EDWARD WHEELER, M.A. (Ohio State), Instructor in Mathematics.  
2 Elm Street
- JONAS OETTINGER ROSENTHAL, M.A. (Swarthmore, North Carolina), Instructor in Sociology.  
5 Johnson Avenue
- \*PAUL HERBERT GOTTLIEB, M.A. (Tufts, Boston University), Instructor in History.  
Averill Hall
- HORACE BOUNDS WESCOTT, LL.B. (Colby, Harvard), Instructor in Business Administration.  
Johnson Hall
- DON HAYES McKEEN, M.A. (Maine, Harvard), Instructor in Modern Languages.  
Averill Hall
- DONALD SYLVESTER ROTHCHILD, M.A. (Kenyon, California), Instructor in Government.  
29 Winter Street
- MARJORIE DUFFY BITHER (Mrs.), B.S. (Simmons), Instructor in Health and Physical Education.  
30 Morrill Avenue
- EVELYN SCLUFER SPIEGEL (Mrs.), Ph.D. (Temple, Bryn Mawr, Pennsylvania), Instructor in Biology.  
21 Veteran Court
- \*\*JEAN-MARIE FRANCOIS BUCHER, M.A. (University of the Witwatersrand), Instructor in Modern Languages.  
Averill Hall
- \*\*NOEL CLAIRE WHEELER (Mrs.), M.S. (Ohio State University), Instructor in Mathematics.  
2 Elm Street

\* First semester, 1957-58

\*\* Second semester, 1957-58

MURIEL BRIGGS AUSTIN (Mrs.), B.A. (Colby), Assistant in Geology.  
271 Main Street

## COMMITTEES OF THE FACULTY

1957-58

The President is *ex officio* a member of all committees. The first named member of each committee is its chairman.

ADMINISTRATIVE: President Bixler, Vice President Eustis, Deans Strider, Nickerson, Seaman, Assistant to the President Williams, Mr. Dyer, Professors P. Bither and A. Comparetti.

ADULT EDUCATION: Professors N. Smith, Ray, Iorio, Re, Schmidt, Todrank, Libbey, Miller, and Macomber *ex officio* as Director of Adult Education and Extension.

AFROTC: Professors Clark, Reid, Geib, Clifford, and Lt. Col. Kirby *ex officio*.

ATHLETICS: Professors W. Zukowski, Pullen, Holland.

BOOK OF THE YEAR: Professors Sutherland, Bridgman, Holland, Gillespie, Spiegel.

COMMENCEMENT: Professors Loeb, Pullen, Millett, G. Smith, P. Bither, R. Williams, E. Comparetti, Suss, Messrs. Turner, Dyer, Whalon, Miss Nichols, a senior man and a senior woman.

CURRICULUM: Professors Combellack, Chapman, Clark, Carpenter, Scott, Kellenberger, Raymond, Barlow, Deans Strider, Nickerson, Seaman.

CURRICULUM REVISION: Professors Scott, Breckenridge, Carpenter, Chapman, Clark, Kellenberger, Marriner, Reid, President Bixler, Dean Strider.

ENGINEERING PREPARATION: Professors Ray, Combellack, Mayers.

EXAMINATIONS AND SCHEDULE: Professors Breckenridge, E. Comparetti, L. Zukowski, Berschneider, Sutherland, L. Williams, Capt. Randall, and Professor McCoy *ex officio* as Director of Schedule.

FRESHMAN WEEK: Professors E. McKeen, Bryan, Seepe, Macomber, McCoy, Osborne, Larsen, Loeb, Forsman, Miss Nichols, Miss Whitcomb.

GRADUATE SCHOLARSHIPS: Professors Marriner, Weber, Crocker, Raymond, Brady, and Dean Strider *ex officio*.

HONORARY DEGREES: Professors Kellenberger, Cary, Reid, Birge, and E. Comparetti.

LIBRARY AND BOOKSTORE: Professors A. Comparetti, G. Smith, Machemer, Reuman, Mr. Bridgman, and Professor McKenna *ex officio* as Librarian.

MEDICAL PREPARATION: Professors Terry, Scott, Reid, Dean Nickerson, Dr. Hill, Dr. Heath.

PLANNING: President Bixler, Vice President Eustis, Deans Strider, Nickerson, Seaman, Professors R. Williams, Combellack, Pullen, Chapman, Mr. Turner and Mr. Dyer.

REMEMBRANCE: Professors Osborne, Strong, Marchant.

SECONDARY SCHOOL TEACHING: Professors E. McKeen, L. Zukowski, MacKay, Mr. Bridgman, and Professor N. Smith ex officio as Director of Teacher Training.

SENIOR SCHOLARS: Professors Cary, Crocker, Reuman, Holland, and Mr. Bridgman.

SOCIAL: Mr. Witham, Professors Winkin, Kelley, Miss Whitcomb, Messrs. Yokelson, Coons.

STANDING OF STUDENTS: Professors Koons, Strong, Johnson, Loeb, Deans Strider, Nickerson, Seaman, Recorder Larsen.

### OFFICERS AND ADMINISTRATIVE STAFF

PRESIDENT, Julius Seelye Bixler, Ph.D., D.D., L.H.D., LL.D., D.C.L.

VICE-PRESIDENT, Arthur Galen Eustis, M.B.A., L.H.D.

TREASURER, Arthur William Seepe, M.C.S.

DEAN OF THE FACULTY, Robert Edward Lee Strider, II, Ph.D.

DEAN OF MEN, George Thomas Nickerson, M.A.

DEAN OF WOMEN, Frances Fenn Seaman (Mrs.), B. Mus.

HISTORIAN, Ernest Cummings Marriner, L.H.D.

CHAPLAIN, Clifford Hazeldine Osborne, D.D.

LIBRARIAN, John Redmond McKenna, B.L.S.

CURATOR OF RARE BOOKS AND MANUSCRIPTS, Carl Jefferson Weber, Litt.D.

ASSISTANT TO THE PRESIDENT, Ralph Samuel Williams, M.B.A.

ASSISTANT TO THE PRESIDENT FOR DEVELOPMENT, Edwin Allan Lightner, M.A.

DIRECTOR OF DEVELOPMENT, Edward Hill Turner, B.A.

DIRECTOR OF ADMISSIONS, William Lafrentz Bryan, B.A.

DIRECTOR OF SCHEDULE, John Franklin McCoy, M.A.

DIRECTOR OF ADULT EDUCATION AND EXTENSION, William Alexander Macomber, B.A.

DIRECTOR OF PUBLIC RELATIONS, Richard Nye Dyer, B.A.

DIRECTOR OF PLACEMENT, Earle Alton McKeen, M.Ed.

ALUMNI SECRETARY, Ellsworth Willis Millett, M.A.

RECORDER, Rebecca Chester Larsen (Mrs.), M.A.

ASSOCIATE LIBRARIAN, Florence Elizabeth Libbey, B.S. in L.S.

ASSISTANT TO THE DIRECTOR OF DEVELOPMENT, Patience D. Young (Mrs.)

RESEARCH ASSOCIATE, Terris Moore, M.B.A., D.C.S.

SUPERINTENDENT OF BUILDINGS AND GROUNDS, George Edward Whalon

DIRECTOR OF FOOD SERVICE, Helen Nichols, B.S.

DIRECTOR OF WOMEN'S UNION, Haroldene Whitcomb, B.A.

DIRECTOR OF ROBERTS UNION, William Alexander Macomber, B.A.

ASSISTANT DIRECTOR OF ROBERTS UNION, Marguerite Chase Macomber  
(Mrs.), B.A.

MANAGER OF SUPPLY AND MIMEOGRAPH SERVICE, Pauline Lawton O'Connell  
(Mrs.)

MANAGER OF BOOK STORE, Millard Everett Trott

### AIR FORCE ROTC

Lt. Colonel Henry Hodgen Kirby, Jr., B.S.

Captain Paul Jonathan Limm, B.A.

Captain Billy Baker Forsman, B.A.

Captain Lawrence Edward Randall, M.A.

1st Lt. William David Renner, B.A.

M/Sgt. Robert Craig Burlingame

T/Sgt. Gardner Starr Foote

S/Sgt. Wellington John Clark

S/Sgt. Dean Robert Faircloth

### ASSISTANTS AND SECRETARIES

Priscilla Cram Allen (Mrs.), Secretary to the Superintendent of Buildings

Glenda Jay Ambrose, Secretary to the Director of Food Service

Elva Fernald Armstrong (Mrs.), Secretary to Assistant to the President

Marcia Dale Baldic, Secretary to the Treasurer

Carmen Marie Bernier, Assistant in the Treasurer's Office

Emily Julia Blodgett (Mrs.), Secretary to Director of Adult Education

Goldie B. Brawn (Mrs.), Secretary in the Admissions Office

May N. Brooks (Mrs.), Clerical Assistant, Psychology and Education Department

Freda Marie Charles (Mrs.), Office Supervisor, Development Office

Irvine Sanders Doe (Mrs.), Assistant in the Treasurer's Office

Mary Glenna Dyer, Secretary in the Alumni Office

Etta Celeste Ellis, Assistant in the Treasurer's Office

Phyllis St. Clair Fraser (Mrs.), B.A., Assistant to the Alumni Secretary

Virginia Bess Gallant (Mrs.), Secretary in Admissions Office

Barbara Davis Hoel (Mrs.), Assistant in the Admissions Office

Mabel Lancaster, Mailing Clerk

Malvina Libby (Mrs.), Information and Telephone Service

Annette L. Morin (Mrs.), Secretary in the Physical Education Office

Theresa Laura Morriveau (Mrs.), Assistant to the Director of Public Relations

Lena Proctor Mulkin (Mrs.), Assistant in the Treasurer's Office

Denise Marie Poulin, Clerical Assistant in Development Office



Lucille McIntyre Rancourt (Mrs.), Assistant in the Treasurer's Office  
 Elizabeth A. Reilly, Secretary in the Air Science Office  
 Helen Muller Smith (Mrs.), Secretary to the President  
 Frances Elizabeth Thayer, B.A., Assistant to the Dean of Women  
 Barbara Marie Squire, B.A., Secretary in the Recorder's Office  
 Priscilla Witham Varney (Mrs.), Secretary in the Development Office  
 Elizabeth Eleanor Warren (Mrs.), Secretary to the Vice-President  
 Hope Richardson Webb (Mrs.), Secretary to the Dean of Faculty  
 Maxine B. Webb (Mrs.), Secretary to Director of Placement  
 Christine Arlene Woodbury, Secretary to the Dean of Men

#### LIBRARY STAFF

Kathryn Nee Andrew, Circulation Assistant  
 Janice Anita Crowell, Clerical Assistant  
 Frances Elizabeth Diggs, Reference Assistant  
 Dorothea Elizabeth Marchetti, Circulation Assistant  
 Vera Lotte Meader (Mrs.), Clerical Assistant  
 R. Webb Noyes, M.S., Catalog Librarian  
 Inez W. Noyes (Mrs.), B.A., Assistant Cataloger  
 Dorothy C. Parker (Mrs.), Clerical Assistant  
 Earla Brown Robertson (Mrs.), Secretary to the Librarian

#### RESIDENCE STAFF

Hilda Ellen Ames (Mrs.), House Mother, A.T.O. Fraternity  
 Gladys Ruth Balkam (Mrs.), House Mother, P.D.T. Fraternity  
 Alice Belyea (Mrs.), House Mother, L.C.A. Fraternity  
 Dorothy Wilkinson Ellis (Mrs.), Head Resident, Woodman Hall  
 James MacKinnon Gillespie, M.A., Head Resident, Pepper Hall  
 Helen Louise Goodwin (Mrs.), House Mother, Zeta Psi Fraternity  
 Marion Ingalls Hague (Mrs.), A.B., House Mother, T.D.P. Fraternity  
 Eva Macomber Kyes (Mrs.), A.B., Head Resident, Louise Coburn Hall  
 Don Hayes McKeen, B.A., M.A., Head Resident, Averill Hall  
 Laura Clement Miner (Mrs.), A.B., Head Resident, Foss Hall  
 Dorothy Hubbard Sims (Mrs.), A.B., Head Resident, Mary Low Hall  
 Elizabeth Augusta Towle (Mrs.), House Mother, D.K.E. Fraternity  
 Horace Bounds Wescott, LL.B., Head Resident, Johnson Hall  
 Marion Dodge Whitehead (Mrs.), House Mother, D.U. 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 McGraw Fortune (Mrs.), B.S., R.N., Head Nurse

Nurses:

Agnes Davis MacDonald (Mrs.), R.N.

Beatrice Tully (Mrs.), R.N.

Myrtle Irene Veilleux (Mrs.), R.N.

**MAINTENANCE STAFF****Department Heads**

Ansel Albert Grindall, General Foreman

George John Mitchell, Sanitation Foreman

Claude Chase Taylor, Heating Foreman

Daniel Richard McKnight, Electrician

## DEGREES AWARDED

## COMMENCEMENT

MONDAY, JUNE 10, 1957

## BACHELOR OF ARTS

## MEN'S DIVISION

Richard Jordan Adler	Beverly, Mass.
Ronald Harold Arthur	Wenham, Mass.
Nathaniel Breed Bates	Gloucester, Mass.
Arnold VanHovan Bernhard	Westport, Conn.
Donald Sylvan Bishop	St. Albans
Malcolm Edward Blanchard	Dover-Foxcroft
William Joseph Bois, Jr.	Waterville
Thomas Skidmore Brackin	Mountain Lakes, N. J.
Pelham Wallace Brown	Westfield, N. J.
William Henry Burns	Everett, Mass.
John Wilson Cameron	Fairfield
Donald Victor Carter	Winslow
James Harrison Clark	North Anson
James Bradley Cobban	New York, N. Y.
Richard Allen Cole	Brookline, Mass.
Thomas Stephen Collins	Waltham, Mass.
John Casper Conkling	East Aurora, N. Y.
Jeffrey Clellan Cross	Needham, Mass.
Charles Bino Czernin	Lakeville, Conn.
Walter Cyrus Dainwood	La Mesa, Calif.
Anthony Milton D'Amico	Bangor
Ronald Edson Darroch	Weston, Mass.
Gordon Dunbar Daugharty, Jr.	Birmingham, Mich.
Phillip Ashley Deering	Hartland
Donald Gilbert Dinwoodie	Stratford, Penna.
Steven Lee Dougherty	Portland
Melvin Bernard Dunn	Watertown, Mass.
George Webster Ellinwood, Jr.	Rumford, R. I.
John Allen Fisher	New York, N. Y.
Charles Robert Fraser	North Falmouth, Mass.
Douglas Hyde Gates	Orange, Mass.
Donald Leslie George	Haverhill, Mass.
Anthony Stuart Glockler	Laconia, N. H.
Ezra Adolph Goldberg	Newton Centre, Mass.
John Paul Goolgasian, Jr.	Providence, R. I.
Norman Austin Grant	Rockland
James Spencer Greenlaw	Bayonne, N. J.

Arthur Dudley Hall, II	Winchester, Mass.
Frederick Carr Hammond	Beverly, Mass.
John Francis Hannon	Manchester, Mass.
Edward Nickerson Harriman, Jr.	Needham, Mass.
Cedric Frasier Harring, Jr.	Newton Centre, Mass.
Kyoichi Haruta	Tokyo, Japan
William Gregory Herdiech	Greenfield, Mass.
Russel Earle Higgins	Bogota, N. J.
Ben Lin Hom	Middle Village, N. Y.
Karl Honsberger	Front Royal, Va.
Rodney Harlow Howes	Jay
Richard Butler Huart	Brockton, Mass.
Peter Augustine Hussey	North Berwick
Edward Glenn Isaacson	Hyannis, Mass.
Michael George Israel	York, Penna.
Philip Goddu Ives	Winchester, Mass.
Francis Xavier Kernan	Westmont, N. J.
Warren Richard Kinsman	Augusta
John George Koehler, Jr.	Cranston, R. I.
Richard Alan Krasnigor	Quincy, Mass.
Martin Kruger	West Newton, Mass.
Edward Francis Lagonegro	Elmira, N. Y.
James Landovek	New York, N. Y.
Frank Pierce Landrey	Old Westbury, N. Y.
Philip Burch Luce	Springfield, Vt.
Allen Douglas MacLean	Rockport, Mass.
Richard Tobin Maguire	Brockton, Mass.
Richard Howe Mailey, Jr.	Duxbury, Mass.
James Hugh Marchbank	Bethesda, Md.
Eli Joseph Martin	Danielson, Conn.
Stanley Kenneth Mathieu	Winslow
Peter Merrill	Augusta
Richard Dean Merriman	Bangor
David Horton Mills	Holden, Mass.
James Michael Murnick	Fitchburg, Mass.
Peter Arnold Nickerson	Cranston, R. I.
Jay Moore O'Brien	Hartford, Conn.
Brian Fowler Olsen	Waltham, Mass.
David Olsen	Thompsonville, Conn.
David Richardson Palmer	Stoneham, Mass.
Robert Parke Pettegrew	Warren, Penna.
Richard Joseph Phillips	Swampscott, Mass.
George Eagleton Pierce	Portsmouth, N. H.
Mark Edgar Powley, III	Convent, N. J.

Ronald Wynn Rasmussen	Oneonta, N. Y.
Malcolm Remington	Westport, Conn.
Peter Dominic Rigero	Worcester, Mass.
Laurent Bradley Roy	Winslow
Robert Roy Russo	Melrose, Mass.
William Frank Saladino	Chelsea, Mass.
Lawrence Edward Shea	Springfield, Mass.
John William Shute	Pleasantville, N. Y.
Arthur Harold Smith	Union Springs, N. Y.
Charles Stewart Smith	Weston, Mass.
Willard Lewis Spence	Surrey, England
Marc Press Stahl	West Hartford, Conn.
Neil Sherburn Stinneford	Dixfield
Richard George Stratton	Portland
William Richard Timken	Butler, N. J.
Philip Miguel Tocantins	Philadelphia, Penna.
Frederic Webster Toppan	Cambridge, Mass.
Thomas Armacost Totman	Houlton
Donald Scot Tracy	Providence, R. I.
Charles Booth Twigg	Needham, Mass.
Allan van Gestel	Milton, Mass.
Stefan David Van Schenck	Clearwater, Fla.
Jerome Simone Ventra	Brooklyn, N. Y.
Victor Jerome Ventra	Brooklyn, N. Y.
Erwin Arthur Vickery	Unity
Guy John Vigue	Waterville
Charles Fredric Webster	Butler, N. J.
Edward Bisbee White	Newtown, Conn.
Alan Charlesworth Whittaker	Bogota, N. J.
William Converse Winslow	Providence, R. I.
Thomas Harold York	Oakland
Vincent James Ferrara	Flushing, N. Y.

As of the Class of 1956

WOMEN'S DIVISION

Nancy Jane Anderson	Westport, Conn.
Jeanne Fessenden Arnold	Saylesville, R. I.
Virginia Valin Ashworth	Middletown, R. I.
Elizabeth Knox Atkinson	Bradford, Penna.
Jacqueline Auger	New Bedford, Mass.
Grace Elizabeth Bears	Lexington, Mass.
Esther Macmillan Bigelow	Beverly, Mass.
Janet Hooker Butler	Los Gatos, Calif.
Elizabeth Ann Cherry	New Bedford, Mass.

Joan Pierce Chipman	Beaufort, N. C.
Antonette Marie Ciunci	Cranston, R. I.
Dorothy Elizabeth Clapp	Montclair, N. J.
Carol Ann Cobb	Cape Elizabeth
Beverly Ann Colbroth	Concord, N. H.
Sally Ann Dixon	Hyannis Port, Mass.
Sandra Wendy Dorman	Arlington, Mass.
Carolyn Ann Drigotas	Auburn
Eleanor Ruth Duckworth	Halifax, Nova Scotia
Janet Mae Earley	Dover-Foxcroft
Ruth Nancy Eggleston	Clayton, Mo.
Elizabeth Ann Elwell	West Buxton
Eleanor Ann Ewing	Melrose, Mass.
Susan Fairchild	Longmeadow, Mass.
Carol Anne Fisher	Malden, Mass.
Gail Irene Gaynor	Pelham, N. Y.
Karen Elizabeth Gesen	Concord, N. H.
Elaine Gorman	Auburn
Eleanor Gene Gray	West Chelmsford, Mass.
Joan Billups Guiles	West Hartford, Conn.
Elizabeth Ione Hall	South Dennis, Mass.
Nancy Louise Hansen	Bethesda, Md.
Elizabeth Wright Hardy	Bath
Patricia Lee Harrison	Springfield, Vt.
Jean Harriet Haurand	North Plainfield, N. J.
Audrey Wade Hittinger	Belmont, Mass.
Pauline Alice Hoyt	Easton
Toni Carol Jaffee	Swampscott, Mass.
Ann Augusta Jefferson	Flemington, N. J.
Diane Louise Jensen	Beverly, Mass.
Eleanor Elizabeth Jones	Cambridge, Mass.
Janet Elizabeth Kimball	Portland
Barbara Joan Klein	White Plains, N. Y.
Gabriella Krebs	Upper Montclair, N. J.
Jocelyn Lary	West Scarboro
Mary Katharine Lawrance	Kingston, Mass.
Meredith Lermond	Westfield, N. J.
Judith Lowrey	Caribou
Lorna Jane Maddocks	Fairfield
Patricia Martin Maloney	Kearney, Nebr.
Nancy Miller	Millington, N. J.
Janet Stone Mittelsdorf	Bronxville, N. Y.
Elizabeth Lang Morgan	Kingston, Penna.
Judith Anne Murnik	Fitchburg, Mass.

Priscilla Myers	Wellesley, Mass.
Nancy Meta Nielsen	Waterville
Candace Sweet Orcutt	Mahwah, N. J.
Marilyn Phyllis Perkins	Ellsworth
Marguerite Dolores Perrini	Queens Village, N. Y.
Annette Bella Picher	Waterville
Lucille Alice Pickles	Saylesville, R. I.
Colette Yvonne Piquerez	Franklin Lakes, N. J.
Elizabeth Marie Powers	East Millinocket
Judith Carpenter Prophett	Bridgewater, Mass.
Julie Elaine Pullen	Augusta
Carolyn Schwartz Purdon	Brooklyn, N. Y.
Joanne Claire Raffay	Fairfield, Conn.
Isobel Francis Rafuse	Simsbury, Conn.
Bethia Christine Reynolds	Poquonnock Bridge, Conn.
Shirley Lincoln Rigby	Stamford, Conn.
Eleanor Raybold Roberts	Providence, R. I.
Marietta Eva Roberts	South Portland
Nancy Ellen Rollins	Sanford
Rona Kopans Rosenthal	Waterville
Roberta Louise Santora	Augusta
Anne Ruth Schimmelpfennig	Burlington, Vt.
Katherine Daphne Sferes	South Windham
Eleanor Jane Shorey	Ridgewood, N. J.
Lydia Barrett Smith	Carlisle, Mass.
Audrey Marie Snyder	Trumbull, Conn.
Rose Elizabeth Stinson	Stonington
Janice Louise Thomson	Watertown Mass.
Shirley Ann Transue	Avon, Conn.
Doris Eleanor Turcotte	Skowhegan
Valerie Vicky Vaughan	Adams Center, N. Y.
Jeannine White	Weld
Judith Helen Wiggin	Sanford
Norma Catherine Williamson	Weehawken, N. J.
Leslie Ann Wyman	Washington, D. C.

HONORS IN GENERAL SCHOLARSHIP

MAGNA CUM LAUDE

Kyoichi Haruta	Shirley Ann Transue
CUM LAUDE	
Eleanor Ruth Duckworth	Leslie Ann Wyman
Lucille Alice Pickles	Isobel Francis Rafuse
Rona Kopans Rosenthal	Jocelyn Lary
Beverly Ann Colbroth	Annette Bella Picher

## HONORS IN SENIOR SCHOLARS PROGRAM

Jocelyn Lary — *Saint-John Perse and the Mission of the Poet*  
 Annette Bella Picher — *Cezanne: The Formal Approach*

## DISTINCTION IN COURSE

## IN CHEMISTRY

Ben Lin Hom

## IN ENGLISH

Walter Cyrus Dainwood

David Horton Mills

Candace Sweet Orcutt

Richard George Stratton

## IN MUSIC

Meredith Lermond

## IN SOCIOLOGY

Esther Macmillan Bigelow

## IN FRENCH

Eleanor Jane Shorey

## IN HISTORY

John Wilson Cameron

## IN SPANISH

Frederic Webster Toppan

## HONORARY DEGREES

Erwin Dain Canham — *Doctor of Laws*Parker Heath — *Doctor of Science*Werner Eric Josten — *Doctor of Music*Harold Frank Lemoine — *Doctor of Divinity*Waldo Peirce — *Doctor of Fine Arts*Appleton Hillyer Seaverns — *Master of Arts*Gordon Mariner Trim — *Doctor of Laws*Henry Bradford Washburn, Jr. — *Doctor of Science*

## DEGREES AWARDED

OCTOBER 1, 1957

## BACHELOR OF ARTS

## MEN'S DIVISION

Arthur Enoch Engdahl, Jr.

Weldon Evan French

Laurence John Hoogeveen

Barry Leonard Kronick

Roland Henry Sherman, Jr.

Needham, Mass.

Solon

Cohasset, Mass.

No. Adams, Mass.

Andover, Mass.

## WOMEN'S DIVISION

Mary-Alice Reid Wessel

Hingham, Mass.



## THE STUDENTS

## MEN'S DIVISION

- Acheson, James M., 49 Western Ave., Augusta  
 Adams, David L., 99 Forest Ave., Orono  
<sup>1</sup>Adams, George L., 597 West St., Keene, N. H.  
 Adams, Joseph G., Loomis School, Windsor, Conn.  
 Adams, Nathan M., 128 Dewitt St., Syracuse, N. Y.  
 Adolf, Jay E., 1154 E. 23rd St., Brooklyn, N. Y.  
 Ainger, James C., 3528 Ingleside Rd., Shaker Heights, Ohio  
 Alfond, Howard, 9 Beach Rd., Lynn, Mass.  
<sup>2</sup>Allen, Harvey, Wilder Rd., Bolton, Mass.  
 Alwyn, Thaddeus G., 14 Broadmoor Rd., Scarsdale, N. Y.  
<sup>1</sup>Amory, Stedman, 9 Maple St., Wenham, Mass.  
 Angel, Philip, Jr., 846 Edgewood Dr., Charleston, W. Va.  
 Angrist, Burton, 162-01 Powell's Cove Blvd., Beechurst, N. Y.  
<sup>1</sup>Archer, Julian, Rte. No. 4, Fayetteville, Ark.  
 Arens, Stewart S., 14 Chatham Circle, Wellesley Hills, Mass.  
 Armstrong, Peter, 14 Longacre Dr., Livingston, N. J.  
 Armstrong, Stanley, 37 Bartlett St., Chelmsford, Mass.  
 Arnett, B. Keeton, 819 Church Rd., Wayne, Pa.  
 Arnold, Robert, 64 Carmel Rd., Andover, Mass.  
 Auchincloss, George, Box 955, Darien, Conn.  
 Auriemma, Robert, 429-56th St., West New York, N. J.
- Bagas, George, 28 Silver Rd., Brockton, Mass.  
 Bailey, John N., 175 Treadwell St., Hamden, Conn.  
 Bailey, Thomas R., 109 Norfolk St., Bangor  
 Bainbridge, William J., 97 Lake St., New Bedford, Mass.  
 Baker, Myron G., 29 Winter St., Waterville  
 Bangs, Leigh B., 27 California Rd., Reading, Mass.  
 Barnard, Brian, P. O. Box 55, West Buxton  
<sup>1</sup>Barndollar, Hugh O., Jr., 847 Union St., Manchester, N. H.  
 Barnes, George, Jr., 31 Pleasant St., Houlton  
<sup>1</sup>Barnes, Stanley C., 70 Red Gate Lane, Cohasset, Mass.  
 Barnett, William R., 23 Beacon Ave., Holyoke, Mass.  
 Bartels, Elmer C., 63 Burdean Rd., Newton Center, Mass.  
<sup>1</sup>Bartow, Stephen C., 374 Hollow Tree Ridge Rd., Darien, Conn.  
 Bates, Stephen D., 78 Taylor St., Pittsfield, Mass.  
 Bauman, Bruce A., Belgo Rd., Lakeville, Conn.  
 Baxter, John S., 45 Washington Ave., Gardiner  
 Beaulieu, Leo J., 164 McKinley St., So. Portland

<sup>1</sup> In attendance first semester, only.

<sup>2</sup> In attendance second semester, only.

- Beck, Paul R., 32 Welland Rd., Indian Orchard, Mass.  
 Beckwith, John D., 17 Edgewood Rd., Lexington, Mass.  
<sup>1</sup>Bedell, Peter, 15 Wendover Rd., Forest Hills, N. Y.  
 Belcher, Alden C., 73 Strathearn Ave. N., Montreal West, P. Q.  
 Berberian, Mark R., 135 Madison Ave., Englewood, N. J.  
 Bergquist, David G., 154 Cambridge St., Winchester, Mass.  
 Berman, David E., 443 Nantasket Ave., Hull, Mass.  
 Bernier, John P., 93 Gage St., Augusta  
 Bickford, Robert D., 172 College Ave., Waterville  
 Bishop, James D. P., Jr., Armonk Rd., Mt. Kisco, N. Y.  
 Bitgood, George E., Jr., 62 Silver St., Middletown, Conn.  
 Blackburn, C. Waring, 28 Montrose Rd., Scarsdale, N. Y.  
 Blanchard, Brian A., 6 Elm St., Windsor, Vt.  
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