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Colby College

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COLBY COLLEGE  
B U L L E T I N



*Annual Catalog Issue*  
*May, 1950*

*Waterville, Maine*

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

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

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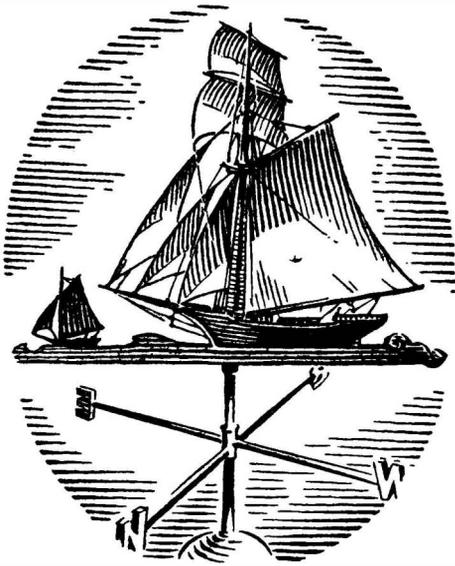
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# GENERAL INFORMATION



Forever sailing into the wind atop the Miller Library, the sloop *Hero* commemorates the courage and faith of Colby's first president and the little band of students who sailed in this craft from Boston to establish a new college in Maine a century and a quarter ago.

- GENERAL STATEMENT
- OBJECTIVES
- LIBRARY
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# General Information

Corporate Name: The President and Trustees of Colby College

Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. Authorized to confer degrees by the first Legislature of Maine, June 19, 1820. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. First Commencement: 1822.

Independent College of Liberal Arts for Men and Women (women first admitted, 1871); non-sectarian, founded under Baptist auspices.

Degree Conferred: Bachelor of Arts. No other degrees in course and no graduate courses.

Enrollment: 600 men, 400 women. Faculty: 81

Endowment: \$4,000,000. Library: 135,000 volumes

Approved and accredited by Association of American Universities, Association of American Colleges, New England Association of Colleges and Secondary Schools, College Entrance Examination Board, Association of American Medical Schools, American Association of University Women, Phi Beta Kappa Society.

Location: Waterville, Kennebec County, Maine.

Population, 18,000. Industries: Textiles, Paper. Junction point on Maine Central R.R.; regular stop for all express trains, Boston to Bangor. Airport with service of Northeast Air Lines. On U.S. Highway 201. Distance: from Portland, 80 miles; from Boston, 200 miles; from New York, 400 miles.

## OBJECTIVES

According to the best authorities, the "liberal" arts are those worthy of a free man. Colby is a college of liberal arts in the sense that it tries to provide an education worthy of the man or woman who is free from the narrowing effects of provincialism and prejudice. It is dedicated without reservation to the aims of unrestricted inquiry and to the task of seeking the truth wherever it may be found. Realizing, however, that academic freedom from partisanship has too often served as an excuse for evading the responsibilities of action, those who administer the college have made a definite effort to provide the proper balance between the detachment of library and laboratory on the one hand, and on the other the decisive commitment that personal and social issues alike require.

The liberal arts college must reach out after truth for its own sake, since to seek it for any other purpose is to miss it. At the same time, the truth as men experience it is never completely detached, but appears always in a context where ends that are "practical" and "useful" play an important part. Colby College attempts to recognize this double aspect of the academic life by graduating students who, in Professor Whitehead's phrase, both know something well and can do something well.

Into the curriculum itself the faculty has not hesitated to introduce certain subjects commonly labelled "vocational." Students at Colby may prepare for careers such as business, medicine, law, theology, government service, teaching, nursing, and social welfare. These courses have been adopted in the belief that the distinction between "liberal" and "vocational" actually has less to do with subject matter than with methods of instruction. A course is "liberal" when the teaching is such as to free the mind from prejudice, to point out the relation of the material in hand to the larger background of learning, and to stimulate further inquiry.

Instruction at Colby is organized in five principal divisions: Languages, Literature and the Fine Arts, concerned primarily

with acquainting the student with skills in expression and in the appreciative disciplines; Social Studies, in which the teaching is devoted to consideration of the problems of social environment and of man and his values; Sciences, the mission of which is to familiarize the students not only with the scientific method, but with scientific progress as a great international enterprise; Health and Physical Education, a division devoted to nurturing and conserving physical vitality as a guaranty of eager, interested learning; Nursing and Medical Technology, directed to developing in its students a mastery of vocational skills combined with a cultural background and humanitarian viewpoint.

## LECTURES

One outstanding type of educational opportunity outside the classrooms is found in the visits of notable scholars, lecturers and artists to Colby each year. The Averill Lecture Series is unique in that it brings to the campus men of renowned scholarship not merely for a lecture, but for a visit of two or more days during which the students and faculty in his field of learning have the privilege of meeting and talking with him informally. These lectures are held on an average of once a month. The Gabrielson series of lectures in government provides one lecture a week during the second semester by a person prominent in public life.

## MUSIC

The Colby-Community Symphony Orchestra, composed of students and townspeople, under the direction of Dr. Ermanno Comparetti of the college faculty, gives at least two concerts a year. The Glee Club, under Mr. John White Thomas, offers a rewarding experience for those who seriously enjoy vocal music. The educational value of these activities is recognized by the granting of academic credits to those who participate regularly after the first year's trial period.

What was formerly the Colby Concert Series has now become a community enterprise and brings to Waterville each year a series of enjoyable musical events.

## RELIGION

Throughout the century and a quarter of its history Colby has been a Christian college maintaining and cherishing its religious heritage. It was founded under Baptist auspices, and throughout the decades the College has received much of its leadership and support from the Baptists. In turn, it has given many outstanding leaders to the denomination. The original by-laws of the College, however, in a spirit of tolerance which was remarkable for those days, specified that the College should be non-sectarian in practice.

By every means consistent with its belief in religious liberty Colby seeks to develop the religious character of each student. Chapel services give opportunity for worship and reflection. The churches of Waterville welcome the close affiliation of Colby students. Sunday Chapel services give opportunity for students to hear messages by the College Chaplain and notable visiting preachers. The activities of the Interfaith Association under the charge of the Director of Religious Activities give full play to the talents of all religious-minded students. Academically, the College offers attractive courses in Religion.

## GUIDANCE

During his first year a student is assigned to a freshman adviser who assists him in electing a program of studies, in making needed adjustments to college life, and in meeting various problems which arise. When a student selects his field of concentration (major), his adviser is a member of the department in which he majors, or in the case of pre-professional major or so-called combined major, the adviser is the faculty member assigned to head the specified program.

## EXTRA-CURRICULAR LIFE

There is a full and varied complement of student activities which serve to enrich the campus life; included are athletics, musical clubs, outing club, Interfaith Association, several fraternities and sororities, and numerous clubs with specialized interests (described in detail in the Freshman catalog).

## THE LIBRARY

In the modern college the library is the focal point. On the Mayflower Hill campus of Colby College the Miller Library is at the center of the spacious architectural plan. Its lofty tower may be seen for many miles in all directions. It is the college's largest building, designed to meet library requirements for a century or more. Its immense reading room, with full southern exposure, its separate reserved book room, its Edwin Arlington Robinson Treasure Room, and its six tiers of stacks, all in charge of a competent and highly trained staff, serve the needs of the faculty and students.

There is continuous effort to improve and to expand the Library and to broaden its services. Not only does it supply materials for required and supplementary reading, for research papers and general information, but it also stimulates interest in recreational reading and in contemporary civilization. It compiles bibliographies, prepares exhibits and in the Colby Library Quarterly makes available to the scholarly world the more distinctive materials that it contains.

In its courses in Bibliography the library staff offers a program of instruction designed to put students in touch with the resources of the Library and the mechanics of its operation. During Freshman Week, and by later cooperation with the Department of English, each new student becomes acquainted with the card catalog, the principal reference works and the basic bibliographical tools. Students look behind the scenes, not only noting the arrangement of reference and stack shelves, but also observing the technical processes of cataloging and classification.

The main collection of the Library, exclusive of rare books and manuscripts, contains more than 135,000 volumes, to which are added about four thousand volumes annually. The Library receives more than 300 periodicals, including many important publications from foreign countries, and is a partial depository for publications of the U.S. Government. It is one of a few libraries designated as a depository for the Army Map Service. The book collection is classified according to the Library of Congress system.

The Colby Library has achieved distinction through its special collections. Outstanding are the Thomas Hardy,

Edwin Arlington Robinson, Sarah Orne Jewett, Henry James, and Book Arts collections. Of these the Hardy Collection numbers thousands of items and is the most complete and varied Hardy Collection in existence. The Library has been made the custodian of the books, manuscripts, and personal papers of Edwin Arlington Robinson, the most valuable Robinson Collection that can ever be assembled. The Book Arts Collection contains notable examples of outstanding book designers and presses. There is also a virtually complete collection of the more than four score editions of A. E. Housman's *A Shropshire Lad*; and there are collections of note of the writings of the early American economists, Mathew and Henry C. Carey; of the martyr in the cause of freedom of the press, Elijah Parish Lovejoy; and writings of many productive scholars who have been associated with the life of the College. These collections, under charge of the Curator of Rare Books and Manuscripts, are housed in the beautiful Edwin Arlington Robinson Treasure Room.

The Colby Library Associates is an organization of alumni and friends of the College who have a particular interest in the Library and its work. Its object is to increase the resources of the Colby College Library. Membership dues are devoted to the purchase of special books, manuscripts, or other material which lie outside the scope of the Library's regular budget. Since the founding of the organization in 1935, the Colby Library Associates has added to the Colby Library an impressive list of valuable bibliographic tools and rare collectors' items. The Associates also conduct meetings at the College from time to time during the year with programs devoted to various topics of interest to book lovers, and award annually the Library Associates Book Prize.

## THE COLLEGE PLANT

The College has nearly completed its removal from the original site in the city to a new plant located on a six-hundred acre hilltop two miles from the center of Waterville. By the fall of 1950 all of the academic work except possibly one of the sciences will be conducted on the new campus; all of the housing for men and much of the housing for women will be there. The erection of a second building for science and

an additional dormitory for women will then complete the abandonment of the old campus.

The beautiful new campus, with its Colonial brick buildings in harmonious arrangement over the hill-slope gives Colby one of the most attractive college locations in America. The view from the steps of the Lorimer Chapel is magnificent. Just below sparkles the college lake. To the west are the Rangeley mountains, to the east the Camden hills. In the nearer distance lie spread the homes, factories, schools and churches of Waterville.

Instead of letting new buildings be placed here and there among old ones, as is usually done at a college, the new Colby plan has from the beginning been designed for a full century ahead. As demand arises and funds are available for additional buildings, the plan shows where each shall go and what its general structure shall be.

In the fall of 1950 fifteen buildings will be fully completed and in use: the Miller Library, The Lorimer Chapel, the Keyes Science Building, the Field House, the Roberts Union, the Women's Union, four dormitories for men and two for women, two fraternity houses, and the President's home. Foundations have also been laid for a second science building and for six other fraternity houses.

*The Miller Library* is the focal point of the campus, its lofty tower serving as a landmark for miles around. Ultimately the whole building will be used for library and seminar purposes, but for the present it also contains a number of classrooms, faculty offices, the general college offices, the bookstore and spa. The library proper occupies the central section with the stacks to the rear. Its facilities include the public catalog and exhibition room, the main reading room, the reserved book room, offices and work rooms, and the Edwin Arlington Robinson Memorial Treasure Room for Colby's outstanding collection of rare books and manuscripts.

*The Lorimer Chapel* is the gift of the late George Horace Lorimer, distinguished editor of the *Saturday Evening Post*, a member of the Class of 1898, memorializing Mr. Lorimer's father, the renowned pastor of Tremont Temple in Boston for many years. This chapel is the college church, built in the style of the early New England meeting house, with raised

pulpit, side galleries, and simple white pews. It crowns the western slope of the campus and overlooks all the other buildings.

*Dormitories for Men.* Two large dormitories, so built that each is divided into three separate sections, house the upper-class men. Two still newer dormitories, opened in 1950, house the freshman men. Most of the accommodations are in the form of sleeping and study room suites for two or more boys, the rest being single rooms.

*Fraternity Houses.* All eight of Colby's fraternities plan to have houses on the campus, and most have laid foundations for their structures. In 1949 Delta Kappa Epsilon and Alpha Tau Omega completed their new houses and took occupancy.

*Dormitories for Women.* The two dormitories for women, though connected under one roof, are in effect two separate buildings, with separate dining halls and other units. The appearance resembles a New England colonial inn, rather than an institutional building. These dormitories are named for the first two women graduates of the College, Mary Low and Louise Coburn. They house 170 girls. Two additional dormitories, to be similarly constructed, will complete the housing for women on the new campus.

*The Roberts Union* serves as the dining commons and social center for the men students. There are attractive lounge, reading and game rooms, offices for major student activities, and other facilities. It commemorates the name of one of Colby's former presidents, and funds for its erection were contributed by 2,000 Colby men. It contains the Sherman Perry Memorial Infirmary.

*The Women's Union* is located near the dormitory and serves as a social center. The Martha Baker Dunn Lounge is used for receptions, concerts, dances and art exhibits, while the adjoining Grace Coburn Smith Room provides opportunity for various social purposes and small meetings. Connected is a small dining room with kitchen facilities. The Ilsley Room is available for group meetings and small lectures. On the ground floor the Lucile Jones Beerbaum Room is set aside as a lounge for day students. Sorority chapter rooms and faculty

apartments occupy the top floor. The building represents the combined gifts of some 1,200 Colby women.

*The Women's Gymnasium* adjoins the rear of the Union and contains a floor 101 by 54 feet in area, large enough for four badminton or two basketball courts. Other smaller rooms and a ski room in the basement complete the indoor physical education facilities, while an athletic field, and archery range are nearby. The Gymnasium also has a stage at one end, making the building a suitable auditorium for large assemblies or all-college balls. Stage equipment and a dramatic arts workshop beneath provide for theatrical activities.

*Athletic areas.* A battery of 14 tennis courts was constructed on the new campus as a memorial to Walter M. Wales, who gave his life in World War II. Seven of the Wales Courts are built with an all-weather asphaltic composition for general use and the other seven, intended for team and tournament play, are of clay with a quick-drying red surfacing. The new football field was dedicated in 1948 as Seaverns Field, in honor of Charles F. T. Seaverns, '01. The baseball field is named for "Colby Jack" Coombs, '06, one of the immortals of big league baseball. Beside the Women's Gymnasium is a playing field for outdoor sports, and a new hockey field for women has been constructed east of the dormitories. Several ski runs have been developed on the slopes of Mayflower Hill itself at the rear of the buildings, and the College has obtained exclusive use of the well-known Mountain Farm Ski Slope.

*The Gymnasium-Field House* provides indoor athletic facilities. Here are two basketball courts and a cinder running track. Permanent spectator seating is afforded for 1,600 with opportunity for temporary bleachers for 800 more. The main structure is surrounded by a one-story extension containing offices, lockers and shower rooms. It is located at the north end of the campus across the road from the football field.

*The Keyes Science Building* was erected as a memorial to the late Martin L. Keyes, inventor and industrialist of Fairfield, Maine. Funds were provided in a bequest by Mrs. Keyes, augmented by donations from Dr. George G. Averill of Waterville, former business associate of Mr. Keyes. In 1950-51 this building houses the departments of Chemistry, Physics, and Geology, but is ultimately planned for Chemistry alone.

*The President's Home.* Opened in 1949, this attractive house, built like the other buildings of the now familiar Colby brick, is the first building which the visitor encounters, as he approaches the campus from the city. The house is the gift of Dr. George G. Averill, and the decorations and furnishings of the spacious living room are the gift of Mr. and Mrs. Milroy Warren of Lubec, Maine, both members of the Class of 1914.

*The Downtown Campus.* In 1949 the College sold certain facilities at the northern end of the old campus to the City of Waterville and the State of Maine. During 1950-51 it will continue to use Coburn Hall for the teaching of biology, six dormitories for women, and such other of the old campus buildings as may be needed. Free bus service between the two campuses will be continued as long as both are in use.

#### HOW TO REACH THE MAYFLOWER HILL CAMPUS

Visitors coming by automobile will find the shortest route to the new campus to be the following: On U.S. 201 from Augusta, the driver enters Waterville by crossing the Kennebec River from Winslow. U.S. 201 takes him up Main Street through the business section to Post Office Square. At the traffic light there, with the post office on his left and the intersection of Main Street and College Avenue, with its Elmwood Hotel, directly ahead of him, he makes a left right-angled turn across the point of the post office triangle, and enters Gilman Street, with the furniture store on his left and the Esso filling station on his right. Then he simply keeps straight ahead to the Mayflower Hill campus.

### ADMINISTRATIVE REGULATIONS

#### ADMISSION

Separate admissions offices for men and for women are directed respectively by the Dean of Men and the Dean of Women. Communications should be addressed accordingly.

Acceptance of candidates for admission is determined by a selective process during which character, health and personality are considered in conjunction with academic records. Interviews with a college official or representative graduate

are required whenever it is possible to arrange them. The college reserves the right to select for admission those candidates who appear most likely to profit by attendance.

Admission requirements are both quantitative and qualitative, and have been determined for the purpose of evaluating applicants' preparatory schooling.

## QUANTITY

In quantity of preparation fifteen units of acceptable work are required. A unit represents a course satisfactorily pursued in a secondary school, four or five periods a week, for one school year, with the exception that three units of credit are allowed for four years of preparatory English. The minimum quantitative requirements are as follows:

English	3
Foreign Language	
Men	2 in one language
Women	3 in one language or 2 in each of two languages
Algebra	1
Geometry	1
History or Social Studies	1
Science	
Men	2 (if only 2 units of foreign language are presented)
Women	1
Electives	4 or 5 (number necessary to make a total of 15 units)

## QUALITY

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

## COLLEGE BOARD TESTS

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

The College Board Tests are given five times a year at designated centers in each state. No applicant, in whatever part of the country he may live, need travel far to take the tests.

At each testing period all tests are given on a single day. The morning is devoted to the Scholastic Aptitude Test in two sections, verbal and mathematical. That is the test which Colby requires of all candidates for admission. In the afternoon the candidate may take one, two, or three achievement tests, each one hour in length. Whether or not the Colby applicant takes any of these tests, and which ones he takes, depends upon his or her individual instructions from the Dean. The Board offers achievement tests in the following subjects: English Composition, Social Studies, French Reading, German Reading, Latin Reading, Spanish Reading, Biology, Chemistry, Physics, Intermediate Mathematics, Advanced Mathematics. Examination dates from May, 1950 to August, 1951 are as follows:

Saturday, May 20, 1950  
 Wednesday, August 9, 1950

---

Saturday, December 2, 1950  
 Saturday, January 13, 1951  
 Saturday, March 10, 1951  
 Saturday, May 19, 1951  
 Wednesday, August 15, 1951

#### ARRANGEMENTS FOR THE TESTS

Either from his preparatory school or from the College Entrance Examination Board, Box 592, Princeton, N.J., the applicant may secure a form on which he makes specific application for whatever examinations the Dean at Colby College has told him he must take. The application is sent directly to the Board, not to the College, and must be accompanied by the required fee, which is \$6.00 for the morning aptitude test alone, \$8.00 for the afternoon achievement tests alone, or \$12.00 if both morning and afternoon programs are taken. The Board publishes a detailed Bulletin of Information, which is sent to all applicants for examinations.

Most of the larger, and some of the smaller secondary schools, maintain excellent guidance service, ready to assist students in making application for the College Board tests. In some schools the applications are collected and sent to the

Board by a guidance officer. In any event, it is well for the student to consult his principal or guidance officer before submitting his formal application for Board tests.

#### WHEN TO TAKE THE TESTS

Colby College advises each applicant to take the Scholastic Aptitude Test either in May of junior year in secondary school, or certainly not later than January of senior year.

#### ACCEPTANCE INTO COLLEGE

In general, Colby College decides on acceptance of its applicants as soon as possible after the reports of the spring tests have been received.

#### ADMISSION PROCEDURE

1. Write to the Dean of Men or the Dean of Women for an application form.
2. Fill out the form carefully and return it according to instructions. No payment of any kind is required with application.
3. Await a letter of instructions from the Dean. If that letter instructs you to take certain tests, arrange for them as stated in the foregoing section on College Board tests. *Remember that, in any event, you must take the Scholastic Aptitude Test.*
4. As soon as selection can be made after the spring tests, you will receive from the Dean a letter of acceptance or rejection. If accepted, you must then make the required deposit of \$25. This is not an extra charge, but is an advance payment on college expenses, and is not refundable.
5. Read carefully all notices which you receive from time to time preceding your matriculation at the college. These notices will cover such important matters as room, board, details of registration, selection of freshman courses, equipment, finances, and veterans' affairs.

## BY TRANSFER

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

1. Make arrangements to take the Intermediate Tests for college students, given by the College Entrance Examination Board in May, at centers throughout the nation.
2. Request the Registrar of his present or previously attended college to send an official transcript of his academic record at that college.
3. Request the Dean of that college to write a letter of personal recommendation.
4. Send to the Dean at Colby College a catalog of the college which he attended or is attending with the courses taken or in progress clearly marked.

Transfer students cannot be accepted for less than two years of residence at Colby.

**GRADUATION REQUIREMENTS**

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

**QUANTITY**

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

Two years of Physical Education (Physical Education 1, 2, 3, 4), or the equivalent.

## QUALITY

A total of at least 196 quality points. These are computed as the product of weekly hours for a course and index numbers (A-4, B-3, C-2, D-1). For example, a mark of B in a three-hour course for one semester yields (3 x 3) nine quality points.

## DISTRIBUTION

1. English Composition (English 1-2) in the freshman year.

Any student whose average in English 1-2 is passing, but below 70, and whose low mark, in the opinion of the instructor is caused by deficiency in English usage, is required to take a course in corrective English Composition (English 35-36) and must pass this course as a requirement for graduation.

2. Literature (English 11-12) in sophomore year.
3. One year-course, or two sequence semester courses, in each of two of the following: Biology, Chemistry, Geology (not including Geography), Mathematics, Physics.
4. Two year-courses, or equivalent in sequence semester courses, selected from those offered in the Division of Social Sciences. (Effective for classes of 1951 and 1952.)

Beginning with the Class of 1953, the social science requirement for graduation shall be met by taking one year-course, or its equivalent, in each of three departments in the Division of Social Sciences (divisional courses considered as a department thereof), provided that not more than one of the following courses may be counted toward this requirement: Business Administration 01, 02; History 1, 2; Social Science 1, 2; Religion 1, 2; or any other course in the Division of Social Sciences which is open to freshmen.

5. A basic knowledge of one of the foreign languages taught at Colby. This requirement may be met by the classes of 1951 and 1952 in one of the following ways:
  - (a) Passing an achievement examination designed to test the student's ability to use a chosen foreign language both orally and in writing. This must be in a language taught at Colby.

- (b) Successful completion of any year-course numbered above 1-2 in a foreign language taken at Colby College.
- (c) A student who has conscientiously, yet unsuccessfully, attempted the work of foreign language study at least once during each of his first two years at Colby College, may, with the permission of the department in which the unsuccessful attempts have occurred, meet this requirement by passing an appropriate course in a foreign culture; namely, a course in Germanic or Romance literature and culture in place of a modern foreign language, or a course in classical civilization (History 21, 22) in place of a classical language.

Beginning with the class of 1953 (freshmen entering in September 1949 and later) the requirement can be met only by one of the ways explained in (a) and (b) above.

Students who look forward to graduate study in arts and sciences are warned that the minimum requirement for the Colby degree may not give them enough knowledge of foreign languages to assure their admission into graduate work. Since the leading graduate schools require a reading knowledge of both French and German, and since some also require Latin for work in language and literature, the student who desires graduate study should be careful to take more than the minimum required for graduation.

## CONCENTRATION

Near the end of freshman year each student must 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.

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

#### COMBINED MAJORS

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.

In order to offer a combined major, permitting the 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, subject to general regulations which the faculty has laid down for combined majors.

As this issue of the *Catalog* goes to press, the only combined majors approved by faculty vote are the following:

Pre-Medical  
American Civilization  
History-Government-Economics

Students who had been accepted into other combined majors previous to January 1, 1950, are permitted to continue

those majors until graduation, but subsequent to January 1, 1950 no student is permitted to begin any combined major except those specifically authorized by faculty vote.

The general regulations voted by the faculty, which are referred to in the second paragraph above, are as follows:

1. A single major shall be in a single subject (not merely in a single department) and shall consist of a minimum of four year-courses or their equivalent in semester courses in this subject.
2. 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.
3. 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.
4. 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.

## REGULATIONS

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

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

## REGISTRATION

Registration consists of preparing and filing with the Recorder certain records in accordance with specific instructions issued at each registration period. For registration later than the date specified for a particular student for any registration period a fine of one dollar for each day of delay is charged on the student's semester bill, provided, however, that the maximum fine shall not exceed five dollars.

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

Preceding registration for any semester a student must secure from the Treasurer's office a receipt for the required tuition fee and any other required advanced 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 offices 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 two registration periods of the following year. A student's academic program must bear his adviser's approval and be properly filed with the Recorder, since credit will be suspended for work in a course for which a student is

not correctly registered. A continuing student registering in the fall without election in the previous spring is fined \$2.00 for failure to make spring election.

With the approval of the adviser voluntary changes in a student's program may be made during the first eleven calendar days of a semester, the first day of classes being considered the first day of the semester, and a fee of \$1.00 is charged on the semester bill for each such voluntary change. After the eleventh day no students will be permitted voluntarily to change from one course or section to another, but during a semester a student may drop a course and receive a mark of "Dr." provided both his adviser and dean consent. If the adviser and dean agree that a course may be dropped, but that 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 mid-semester warning therein shall necessitate a mark of "F" instead of "Dr." for that course; likewise a course dropped within 30 days before last class.

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

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

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

## WITHDRAWAL

Voluntary withdrawal from the college may be effected officially only by filing with the Recorder a "Notice of Withdrawal," a form which may be obtained from the office of the Recorder or 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 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, 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.

## ACADEMIC STANDING

A student's class standing is determined by the number of semester hours earned; that is, Freshman — 0 to 23 hours; Sophomore — 24 to 53 hours; Junior — 54 to 83 hours; Senior — 84 or more hours.

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 final failure of the course is possible.

At the end of each semester the faculty issues, through the Recorder's office, course marks. These marks are reported to students in letters according to the following scale:

A = 90 to 100    B = 80 to 89    C = 70 to 79    D = 60 to 69  
E = 50 to 59 (for first semester of year-courses or designated "E" courses.)

There is no fixed method of computing the final mark in a course; the final examination must, however, count not more than half in the total computation.

The first semester mark in a course designated as a year-course is only a tentative mark. For designated year-courses no credit is given until completion of the full year's work, and there is only one final mark for the entire year.

A mark of "F" means that a course has been failed and that the credit hours thus lost must be made up by an additional course in some subsequent term. If the failed course is specifically required for the degree, it must be repeated.

A mark of "Abs." indicates that a student has been absent from final examination. Such 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.

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 credit in terms of semester hours.

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

## HONORS

The degree of Bachelor of Arts with Distinction is awarded in three grades; *cum laude* to those who attain an average mark between 88 and 92 per cent throughout their college

course; *magna cum laude* to those whose average mark is between 92 and 95; and *summa cum laude* to those whose average mark is 95 or above.

In American colleges it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This nationally famous society, founded in 1776, restricts its chapters to leading colleges and universities, and it maintains very high scholastic standards. The Beta Chapter of Maine was organized in 1895. Election to membership is based upon academic record at the end of seven semesters and on recommendations then made by instructors.

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

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

## COLLEGE PRIZES

### GENERAL

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

In 1949 the medal was awarded to Alice Elizabeth Covell, '49.

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

In 1949 these prizes were awarded to John Allen Briggs, '52, and Marjorie Anne Austin, '52.

STUDENTS LEAGUE SCHOLARSHIP. Awarded annually to the Junior girl who best fits these requisites: average scholarship, leadership, participation in extra-curricular activities, friendliness — and who has contributed toward her college expenses by her own efforts.

In 1949 this scholarship was awarded to Mildred Jeanine Fenwick, '50.

DELTA DELTA DELTA SCHOLARSHIP AWARD. Given annually by the sorority for scholastic ability and school participation to a well-deserving girl at Colby.

In 1949 this award was made to Catherine Mabel Johnston, '50.

#### BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION PRIZE. Awarded to the student majoring in Business Administration who in the opinion of the faculty of this department combines the highest qualities of scholarship, personality and extra curricular interests.

In 1949 this prize was awarded to Haroldene Whitcomb, '49.

ERNEST L. PARSONS PRIZE. Awarded to a senior in Business Administration who in the opinion of the faculty of this department combines high quality of scholarship, personality and extra-curricular interests.

In 1949 this prize was awarded to Ivan Albert Yeaton, Jr., '49.

#### CLASSICS

FOSTER MEMORIAL PRIZES IN CLASSICS. One or more prizes of \$50 each, in memory of the late Professor John B. Foster, are awarded to students from either Division for marked excellence in advanced Greek or Latin courses.

In 1949 award in Latin to Barbara Eilene Hamlin, '52; in Greek to Edgar Wesley Freeman, '51.

#### ENGLISH

MARY LOW CARVER PRIZE FOR POETRY. A prize of \$50 is offered annually to a student in the Women's Division for an original poem of merit in the English language. No limitation is placed upon the form or nature of the poems submitted.

In 1949 this prize was awarded to Hope Ruth Harvey, '49.

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

In 1949 this award was made to Chester Albert Brigham, '50.

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

In 1949 this prize was awarded to Donald Eugene Nicoll, '49.

#### MODERN LANGUAGES

FRENCH CONSULATE PRIZE. Offered by the French Consulate in Boston for excellence in French studies.

In 1949 awarded to Jeanne Frances Pelletier, '49.

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

In 1949, the first prizes were awarded to Gilbert Roland Tibolt, '51, and Peter Honsberger, '52; second prizes to Myra Susan Hemingway, '51, and Margaret Louise Preston, '51.

DELTA PHI ALPHA GERMAN PRIZE. Awarded in 1949 to Thomas Woodworth Samuelson, '49.

#### MUSIC

LOUISE COLGAN AWARD. This prize of \$10 is given to the senior girl who has been a member of the Glee Club for at least three years and who has the highest academic standing of any girl who meets this three-year requirement.

In 1949 this prize was awarded to Haroldene Whitcomb, '49.

#### PUBLIC SPEAKING AND DRAMATICS

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

In 1949 the first prize was awarded to Scott Stuart Wood, '52; second to Stanley Foster Choate, '50; third to Harland Horace Eastman II, '51; fourth to Donald Eugene Nicoll, '49.

HAMLIN PRIZES. Prizes of \$10 and \$5 are awarded to freshmen in the Men's Division and Women's Division for excellence in public speaking.

In 1949 no awards were made.

JULIUS AND RACHEL LEVINE SPEAKING PRIZES. Special prizes aggregating \$100 given by Lewis Lester Levine of the class of 1916, in memory of his father and mother, are awarded for excellence in extemporaneous speaking.

In 1949 the first prize was awarded to Donald Eugene Nicoll, '49; second to Stanley Foster Choate, '50; third to Robert Averal Rosenthal, '50; fourth to Paul Briggs Kilmister, '51.

MONTGOMERY INTERSCHOLASTIC PUBLIC SPEAKING PRIZES. In addition to the prizes offered to students in the college special prizes, the gift of the late Job H. Montgomery of Camden, Maine, are awarded to young men attending secondary schools in New England for general excellence in declamation in a public contest held at Colby College.

In 1949 the first prize was awarded to Robert Bean of Newton (Massachusetts) High School; second to Lawrence Spector of Malden (Massachusetts) High School; third to Charles W. Waznis of South Boston (Massachusetts) High School; fourth to Freeman Frank of Edward Little (Maine) High School; fifth to Gerard Dorgan of St. John's Preparatory (Massachusetts) School.

MURRAY DEBATING PRIZES. The sum of \$100 is available each year to the college through a bequest of the late George Edwin Murray of the class of 1879, for the best arguments presented at a public exhibition.

In 1949 first prizes were awarded to Mildred Jeanine Fenwick, '50; and Emile Leonard Genest, '52; and second prizes to Paul Briggs Kilmister, '51, and Robert Averal Rosenthal, '50.

POWDER AND WIG AWARDS. Made by Powder and Wig (the dramatics society) for exceptional achievement in dramatic enterprises of Colby College.

In 1949 these awards were made to Elizabeth M. Beamish, '49, Cynthia F. Crook, '49, Tema Kaplan Cushner, '49, Hope R. Harvey, '49, Ellen Kennerson, '51, Patricia G. Sales, '49, James A. Bradford, '50, A. Eugene Jellison, '51, Donald G. Leach, '49, Gerald Stoll, '49.

### SCIENCES

CHI EPSILON MU PRIZE IN CHEMISTRY. Awarded annually to the highest ranking freshman in Chemistry 1, 2.

In 1949 this prize was awarded to Joanne Peirce, '52.

MARSTON MORSE PRIZE IN PHYSICS OR MATHEMATICS. Given by Marston Morse of the class of 1914, to a student showing excellence in exposition of some phase of mathematics, physics or astronomy.

In 1949 no award was made.

### SOCIOLOGY

CHI OMEGA PRIZE IN SOCIOLOGY. Awarded annually to the highest ranking woman in sociology.

In 1949 this prize was awarded to Chana Mitchell Marker, '49.

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

In 1949 the first prize was awarded to Jean Desper, '49; second to Chana Marker, '49; third to Fay Klafstad, '49.

### \*ATTENDANCE

Students are expected to be regular in class attendance. Any absence from class for any reason whatever is regarded as an obligation unfulfilled.

## EXCUSES

Excuses for absence must be made to and secured from the Dean of Men or Dean of Women, who may grant excuses for the following reasons only: illness certified by the college physician or his representative; athletic or other organizational trips; exigencies calling for absence from town; military necessity.

Whenever a student's attendance in any course is unsatisfactory to the instructor in that course, the instructor shall so notify the Dean. Upon receipt of such a notice the Dean shall issue to the student a warning. The definition of "unsatisfactory" is left to the determination of each instructor, and must provide for two cuts per semester in each course. In fairness to students, however, who have a right to know what constitutes unsatisfactory attendance under this flexible system, it shall be the duty of each instructor to explain at the first meeting of a class what constitutes unsatisfactory attendance in that class.

Students who are absent, without excuse by one of the above four reasons, from any academic class in the two days before or after a vacation (including the brief Thanksgiving holiday as well as the Christmas and spring vacations) shall be issued a warning directly by the Dean; but not more than one warning shall be issued at each of these times, regardless of the number of classes from which the student was absent.

Any student issued three warnings in any one academic semester shall be suspended from college for the remainder of that semester, with no credit for the semester's work. The three warnings may have been issued because of unsatisfactory attendance or because of absence before or after a vacation, or both.

In order that a student may have a fair opportunity to improve his attendance record, the Dean shall not issue more than one warning because of unsatisfactory attendance to the same student in any seven-day period, regardless of the number of notices received from instructors in that period. Warnings because of absence before or after a vacation shall be issued regardless of the interval of time since any previous warning.

\* When this catalog went to press, the faculty was considering changes in the attendance rules. If changes are made, they will be published in the 1950 edition of the Colby Gray Book, issued in September, 1950.

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## 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.

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

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

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

Cheating in an examination is a serious offense. The instructor may dismiss the offender from the course with a mark of "F," 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.

## 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, and the Law

School Admissions Test. These tests are administered by the Dean of the Faculty, at whose office interested students may secure complete information about them.

## VETERANS

Colby College accepts veterans under Public Laws 346 and 16, with the understanding that veterans must meet exactly the same requirements for admission as do all other students. Credit toward admission requirements in specific subjects is sometimes given for completion of certain schools in the armed services or for completing certain courses under the United States Armed Forces Institute.

The Dean of the Faculty serves as coordinator of veterans and represents the College in official dealings with Veterans Administration.

Before an admitted veteran is permitted to register for classes under veterans' benefits, he must present to the Dean of the Faculty a certificate of eligibility from Veterans Administration. If he is to use V.A. benefits for the first time, he may secure the initial certificate by applying at any convenient office of Veterans Administration. If he has already used some of his educational entitlement under V.A., he must secure a supplementary certificate of eligibility from that V.A. office where his veteran's folder is on file.

Upon receipt of the proper certificate, the Dean of the Faculty issues to the veteran authorization for making his charges for tuition, books, and supplies payable by Veterans Administration.

Each veteran enrolled at Colby College is personally responsible to the College Treasurer for payment of college charges for room and board. Because Veterans Administration sends the monthly maintenance allotment checks directly to the veteran, he and not V.A. is responsible for maintenance charges.

At the request of Veterans Administration, all maintenance checks mailed to veterans living in college residence halls are issued through the office of the Dean of the Faculty, where the veteran signs for his check each month.

The veteran is responsible for keeping himself informed

concerning the extent of his educational entitlement, the conditions under which V.A. will accept charges in excess of \$500 for a school year, and the procedure necessary to attend summer school at another institution with intent to return to Colby in the autumn.

Veterans under Public Law 16 are subject to special regulations, especially in respect to vocational objective, and they are entitled to exceptional privileges in regard to length of entitlement, maintenance allotment, and medical service.

## COLBY-SWARTHMORE SUMMER SCHOOL OF LANGUAGES

Colby-Swarthmore is a joint project of Colby College at Waterville, Maine, and Swarthmore College at Swarthmore, Pennsylvania. It 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 has been 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 third session of Colby-Swarthmore opens on Colby's Mayflower Hill campus on June 26 and closes on August 14, 1950. The fourth session is expected to be held between corresponding dates in the summer of 1951. Courses are offered at the elementary, intermediate, and advanced levels in French, German, Russian, and Spanish. 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 a wide experience in teaching American students. They are chosen not only for their scholarly attainments but for their personalities and their ability to maintain informal relationships with the students.

At Colby-Swarthmore the student will find an atmosphere that is particularly conducive to rapid progress in learning a foreign language. The School insists upon the exclusive use of the foreign language outside the classroom in so far as circumstances and previous training permit. The use of the spoken language is encouraged by grouping the students in the dormitories according to the language they study. A friendly relationship between instructors and students is stressed. Teachers live in the dormitories, conduct the language tables in the dining halls, and participate in all leisure-time activities such as sports, group singing, folk dancing,

and various excursions. Instruction is given in small classes so that each student can receive from the instructor frequent and individual attention. Mechanical aids such as records which are prepared by instructors for individual classes, phonographs, and recorders supplement special classroom techniques and individual conferences. Through this carefully integrated program of personalized teaching and planned recreation the student is offered a unique opportunity for the acquisition of a foreign language.

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

## FINANCES 1950-1951

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

### SEMESTER FEES AND EXPENSES

<i>Item</i>	<i>Amount</i>	<i>Payable</i>
Tuition, 5-course program	\$250.00	Before registration
Room, dormitory	90.00	Semester Bill*
Board, College dining hall	200.00	\$50 payable before registration, balance on Semester Bill.*
	<hr/>	
	\$540.00	

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

## ADVANCE PAYMENTS

(No formal bills are issued for any of the following items.)

### ADMISSION

Non-returnable deposit of \$25.00. This payment is due when applicants for admission are accepted. This deposit is later credited on the tuition due prior to registration.

### BOARD DEPOSIT

Prior to the start of each semester all students who board at the college are required to make an advance payment of \$50.00.

### ROOM DEPOSIT

All students attending college in any given year must, in order to reserve a room for the following college year, make a \$10.00 deposit on or before May first. This deposit is paid to the Treasurer and is later credited on the Semester Bill for the fall semester. Refund of room deposit will be made if the request for a room reservation is withdrawn not later than thirty days before the following registration period.

### TUITION

\$250.00 a semester payable prior to the opening of each semester. The Semester per course charge is \$50.00.

### ACTIVITIES FEE

At the request of the students themselves a Student Activities Fee is collected annually, and is used for financing various student activities. This fee is charged on the first semester bill except in the case of students in attendance for the second semester only, who will be charged a proportionate fee on their second semester bill. The Student Activities Fee is compulsory and no items are deductible. The organizations supported and the amount of the fee may change from year to year. The Student Activities Fee for 1950-51 will be \$13.50 for men and \$15 for women, distributed as follows: Colby Echo \$2.50, Colby Oracle \$5, Class Dues \$2, Inter-Faith Association \$2, Music \$2; and for women, Student League \$1.50.

### BOARD

A dining hall for men is maintained in the Roberts Union, and dining halls for women in Foss Hall and in both Mary Low and Louise Coburn Halls. All women students not living at home or with relatives are required to live in College residences and board at the College. Exceptions may be made in the case of students in the three upper classes who find it

absolutely necessary to earn their entire room and board. Arrangements for such exceptions must be made with the Dean of Women. Men students electing to board at the College dining hall are obligated to pay the board charge for an entire semester. All men students are required to live in college buildings, unless excused by the Dean of Men.

## ROOM

Dormitory room reservations for men students are made at the office of the Dean of Men. Room reservations for freshman women are made at the office of the Dean of Women. Room reservations for upperclass women are made with the Director of Residence of the Women's Division.

## HEALTH SERVICE

Each student receives annually a thorough physical and medical examination, as many visits to the daily sick call as may be necessary, use of infirmary in accordance with established regulations and all necessary attendance by the college physician and resident nurses. It is important that students and parents understand that the college health service does not entitle a student to the services of a surgeon or specialist, such laboratory procedure as X-ray photographs, blood count, prescription medication, glasses, or dentistry, or other specialized diagnostic techniques. It is further emphasized that a student or his family must assume financial responsibility for the services of a specialist or surgeon.

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 there is no additional charge for meals.

## MISCELLANEOUS

Group accident and sickness insurance is available to students through an arrangement with the Mutual Benefit Health and Accident Association. This insurance is supplementary to the college health service and details concerning it are published prior to the opening of each fall semester.

Shorthand and typewriting when elected concurrently, are considered as one full course for which the regular single course fee of \$50 per semester is charged; when either shorthand or typewriting is elected singly the semester charge is \$25.

In Chemistry courses, students are required to pay for all apparatus broken or lost. A chemistry breakage deposit of \$5.00 per course is required. The unused balance of this deposit is refunded.

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

Financial Aid awards other than for work or loans, are creditable against tuition.

Unless an exception has been made by the College Treasurer, no student other than transfer students will be granted a degree until he has paid to the college the equivalent of eight semesters full tuition.

## PAYMENT OF BILLS

Regulations under which college bills must be paid are established by the Board of Trustees, and the College Treasurer is charged with the duty of impartially enforcing these regulations. Unless payment is made in exact accordance with the Treasurer's specific understanding with the student, the regulations require that the student be excluded from classes until payment is made and that a fine of two dollars be imposed for neglecting to arrange with the Treasurer prior to the date due for a plan of payment. Students excluded from classes under this rule for longer than ten days will be suspended from college for the remainder of the semester. Concerning college bills students and parents must deal directly with the College Treasurer. No other officer of the college has any authority over collection of student bills.

The tuition fee and the board deposit must be paid in advance. No student is permitted to register or attend classes until these charges have been paid. Students permitted to take less than a full program must make advanced payment at the rate of \$50 for each semester course. *No formal bill is*

issued for these payments. This catalog statement constitutes notice that the payments must be made in advance. The Treasurer cannot permit deferred payment of tuition fees or board deposit.

The fee for extra courses beyond the normal load of five courses is charged on the semester bill at the rate of \$50 per semester course.

Shortly after the opening of each term a bill covering various items is issued and becomes due on a designated date about two weeks later. The bill includes charges for room, board (if at a college dining hall), and the Student Activities Fee. Deduction is made for any prepayments on items charged.

While the Treasurer cannot permit deferred payment of tuition fees at the beginning of a term, he can at his discretion grant partial extension for a brief period on the semester bills. Students needing such extension must make arrangements with the Treasurer prior to the due date designated on the bill.

#### REFUNDS

In the case of voluntary withdrawal of students in the medical technology and nursing programs during their period of professional training, refunds will be made on an individual basis.

To all other students, in case of voluntary withdrawal, a refund of tuition and room rent is made according to the following:

From Registration Day until the expiration of	
two weeks .....	50% refunded
Between two and four weeks .....	25% refunded
After four weeks .....	No refund

Refund of payment made for board to a student who withdraws either voluntarily or involuntarily, will be made at the rate of \$9.00 per week for the uncompleted part of the term.

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

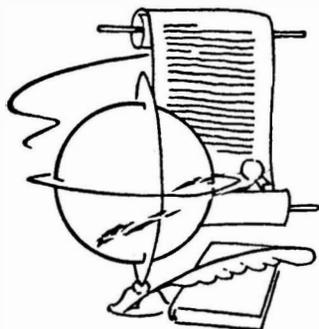
## FINANCIAL AID

Colby College has traditionally taken pride in the number of its students with limited financial resources who have been assisted in receiving a college education. Not a few of the most distinguished alumni of this college received scholarship aid and worked their way through their four years. Colby annually distributes financial aid in excess of \$50,000 in the form of scholarships, Woodman grants and college employment. The amount given in the first two categories represent the cash income from invested funds given for this very purpose by generous individuals and organizations throughout Colby's long history. Recipients, therefore, are definitely under a moral obligation to fulfill the expectations of these unseen benefactors.

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

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

# CURRICULUM



LANGUAGES, LITERATURES, AND ARTS  
SOCIAL SCIENCE  
SCIENCES  
HEALTH AND PHYSICAL EDUCATION  
NURSING AND MEDICAL TECHNOLOGY

# Curriculum 1950-1951

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

Division of Languages, Literatures, and Arts  
Bibliography, Greek, Latin, English, Fine Arts,  
Music, French, German, Spanish

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

Division of Science  
Biology, Chemistry, Geology, Mathematics, Physics

Division of Health and Physical Education  
Physical Education

Division of Nursing and Medical Technology  
Nursing, Medical Technology

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

Odd and even numbers designate courses offered during the first and second semesters, respectively; a course available for election either semester is indicated by "e" following the numeral: e.g., 7e.

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

Year-courses are designated by a hyphen: e.g., 1-2. A year-course extends throughout the college year, and may not be dropped at mid-year 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 mid-year is tentative and

merely indicates the student's standing at the time. The end-of-the-year mark is the only finally recorded mark for the course, and no credit is given until that final mark is recorded.

Two closely related half-year courses are designated by two numbers separated by a comma: e.g., 1, 2. Special permission is usually required to take the second of such courses. The first of such two courses may, at the discretion of the department, be designated as an E course, meaning that a student whose mark is between 50 and 59 in the first course may make up the deficiency by passing the second course in the immediately following semester.

Independent semester courses are designated by a single number: e.g., 1.

[ ] Brackets indicate that the course will not be offered in 1950-51.

\* An asterisk indicates that the course will probably not be offered in 1951-52.

† A dagger indicates that the course will probably be offered in 1951-52.

Except as otherwise designated in the description of a particular course each semester-course carries three semester hours of credit, and each year-course carries six semester hours of credit wherever the credit-hour system is used.

Schedule of hours and rooms, for courses listed in this section of the catalog will be available at the Recorder's office after May 1, 1950.

## DIVISION OF LANGUAGES, LITERATURES, AND ARTS

*Chairman:* PROFESSOR MCCOY

### BIBLIOGRAPHY

Professor Humphry and Assistant Professor Libbey

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

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

Prerequisite: junior standing at least; sophomores by permission  
Mr. Humphry

### CLASSICS

Mr. Bliss

#### GREEK

Major requirements: four year-courses or eight semesters in Greek; History 21, 22. A major in Classics, rather than separately in Latin or Greek, can be met by three years of Latin above 3-4 and two years of Greek.

#### 1-2. ELEMENTARY GREEK

Essentials of Greek grammar; reading of simple Greek stories; vocabulary building in Greek and English.

Prerequisite: none

#### 3-4. PLATO AND HOMER

Plato's *Euthyphro* and *Apology*; selections from Homer's *Iliad*.

Prerequisite: Greek 1-2 or its equivalent

#### † [5, 6. HERODOTUS AND ARISTOTLE]

Herodotus, Book II; Aristotle, *Nicomachean Ethics*, Books I, II, VI, and X.

Prerequisite: Greek 3-4

## † [11, 12. NEW TESTAMENT GREEK]

Intensive study of *Mark*; selections from *Matthew* and *Luke*.  
Prerequisite: Greek 3-4

## LATIN

Major requirements: four year-courses or eight semesters in Latin above the level of Latin 3-4; History 21, 22.

## 1-2. ELEMENTARY LATIN

Introduction to Latin by the reading-grammar method; reading of selections adapted from classical and medieval Latin; emphasis upon the contribution of Latin to English vocabulary.

Prerequisite: none

## 3-4. VERGIL AND OTHER AUGUSTAN POETS

Selections from Vergil's *Aeneid*; selections from Ovid and Horace.

Prerequisites: Latin 1-2 or its equivalent; students offering three or more years of high school Latin will take Latin 5-6.

## 5. ROMAN COMEDY

Selected plays of Plautus and Terence; study of Greek "New Comedy" and of Greek and Roman life as revealed in these plays.

Prerequisite: Latin 3-4 or more than two years of high school Latin

## 6. LATIN POETRY

Survey of Latin poetry from Naevius to the medieval hymn.

Prerequisite: Latin 3-4 or more than two years of high school Latin

## † [7. CICERO AND HIS CONTEMPORARIES]

Selected Letters of Cicero; a study of the political and social background of these letters.

Prerequisite: Latin 5, 6 or its equivalent

## \* 8. HORACE

Horace's *Odes* and *Epodes*; a study of the political and social background of these poems.

Prerequisite: Latin 5, 6 or its equivalent

## † [9. CICERO'S PHILOSOPHICAL WORKS]

Cicero's *De Finibus* with selections from the *De Officiis*.  
Prerequisite: Latin 5, 6

## † [10. LUCRETIUS]

The *De Rerum Natura*.  
Prerequisite: Latin 5, 6

## \* 11. PLINY AND JUVENAL

Selections from the letters of Pliny the Younger and from the Satires of Juvenal; a survey of the political and social background of these writings.

Prerequisite: Latin 5, 6

## † [12. SUETONIUS AND MARTIAL]

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

Prerequisite: Latin 5, 6

## † [13. CATULLUS, TIBULLUS AND PROPERTIUS]

Prerequisite: Latin 5, 6

## † [14. TACITUS]

The first six books of the Annals.

## † [15. TEACHING OF LATIN]

Objectives, content and methods in the teaching of secondary school Latin; a critical examination of textbooks and other teaching materials.

## † [16. LANGUAGE AND ITS GROWTH]

Nature of language, families of language; sources of English words.

Prerequisite: none

## ENGLISH

Professor Weber; Associate Professors Rollins, Chapman, and Norwood\*; Assistant Professor Alice Comparetti; Mrs. Doris Smith; Instructors Main, Michaels, Rosenthal, Cook, Estaver, Benbow, and Horton

\*On leave of absence, 1950-51.

Requirements for "majoring" in English are: in the sophomore year, English 17-18 and History 15, 16; in the junior year, English 15, 16, or 27, 28, or 29, 30, or 31-32, and one other English course; in the senior year, English 13-14 and 39-40. Attention is invited to the "major" in American Civilization (see page 64).

## 1-2. ENGLISH COMPOSITION

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

## 3, 4. PUBLIC SPEAKING

Training in orderly thinking and in methods of oral delivery in various types of public speaking. Conferences to correct individual problems. No prerequisite. Mr. Horton

## 5, 6. ADVANCED COMPOSITION

Practice under guidance for students specially interested in writing.

Prerequisite: English 11-12 or English 17-18 Mr. Horton

## 7-8. JOURNALISM

Theoretical and practical training in writing for newspapers and magazines; recommended for candidates for the *Echo* board.

Prerequisite: English 1-2 Mr. Michaels

## 9, 10. DRAMATIC ART

Training in the arts of the theatre, for students interested in preparing for further dramatic work or for directing play-production in schools.

Prerequisite: English 1-2 Mr. Rollins

### 11-12. SURVEY OF LITERATURE: ENGLISH AND AMERICAN

A general introduction to Literature in the English language, *not* designed for English "majors" but for the general student. Required of all sophomores who do not elect English 17-18.  
Prerequisite: English 1-2

### 13-14. SHAKESPEARE

A careful study of the work of the great dramatist.  
Prerequisite: English 11-12 or 17-18. Required of seniors majoring in English. Mr. Weber

### [15, 16. SWIFT, POPE, JOHNSON, AND THEIR CONTEMPORARIES]

English literature of the 18th Century — the "neo-classical" period. (Not offered in 1950-51, this course will be offered in 1951-52.)

### 17-18. THE ROMANTIC REVIVAL

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

Prerequisite: English 1-2 Mr. Chapman

### 19, 20. THE DRAMA IN ENGLISH

The drama as a literary type: the English drama from Shakespeare's predecessors to Sheridan, in the first semester; and in the second, the drama in England and America, from Isben to the present.

Prerequisite: English 11-12 or 17-18 Mr. Rollins

### [21, 22. AMERICAN LITERATURE]

An upper-class course covering the whole history of American literature. Not offered in 1950-51.

### 23. THE TEACHING OF COMPOSITION

A study of the techniques of teaching oral and written composition in the secondary school; the historical development of the English language; curriculum construction.

Prerequisite: English 11-12 or 17-18 Mrs. Smith

## 24. THE TEACHING OF LITERATURE

A study of the techniques of teaching English and American literature in the secondary school; problems of interpretation; testing and grading techniques; practical classroom problems.

Prerequisite: English 11-12 or 17-18

Mrs. Smith

## 25, 26. THE ENGLISH NOVEL

Historical survey of the novel as a literary type. First semester: the 18th Century novel; second semester: the 19th Century novel.

Prerequisite: English 11-12 or 17-18

Mr. Chapman

## \* 27, 28. FROM BROWNING TO HARDY

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

Prerequisite: English 11-12 or 17-18

Mr. Weber

## 29, 30. MAJOR AMERICAN AUTHORS

An upper-class course in American literature, chiefly of the nineteenth century.

Prerequisite: English 11-12 or 17-18

Mr. Cook

## † [31, 32. CHAUCER AND MILTON]

An intensive study of the writings of the two great poets of the fourteenth and seventeenth centuries; may be taken separately.

Prerequisite: English 11-12 or 17-18

## 35-36. SOPHOMORE COMPOSITION

A course of further practice in writing, *required* of students who pass Freshman Composition (English 1-2) without attaining at least a "C" mark.

Mr. Rosenthal

## 37, 38. CONTEMPORARY LITERATURE

English and American literature of our own time.

Prerequisite: English 11-12 or 17-18 and one other English course

Mr. Chapman

## 39-40. SYNTHESIS OF ENGLISH LITERATURE

A culminating course, aimed at unifying and rendering coherent the entire work of a "major" in English.

Required of seniors majoring in English. Mr. Main

## FINE ARTS AND MUSIC

Associate Professors Carpenter and Ermanno Comparetti

## ART

Major requirements: four courses in Art and one advanced course in European or American history.

## 1-2. INTRODUCTION TO THE HISTORY AND PRINCIPLES OF ART

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

Some studio exercises and reports.

Prerequisite: none Mr. Carpenter

## 3, 4. EUROPEAN PAINTING SINCE THE MIDDLE AGES

A study of the evolution of ideas, form and technique in painting with an emphasis on the major artists. First semester 1300-1600; second semester 1600 to the present.

No studio work.

Prerequisite: Art 1-2 Mr. Carpenter

## 11, 12. THEORY AND PRACTICE OF DRAWING AND DESIGN

First semester: Practice of drawing with discussions and occasional lectures. Second semester: Problems of design with discussions and occasional lectures. Introduction to problems of painting.

Prerequisite: none, general aptitude desirable

Mr. Carpenter

## 13, 14. STUDIO WORK

Work in various media and on various problems. This course may be repeated in a second year with the understanding of different problems.

Prerequisite: Art 1-2, 11, 12; special permission.

Mr. Carpenter

## MUSIC

## 1-2. 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.

Prerequisite: none

Mr. Comparetti

## † [3. THEORY AND PRACTICE OF MUSIC]

An elementary course in musical notation, scales, intervals and chord structure; elements of musical design and harmony. Limited to 10 students.

Prerequisite: none

## † [4. HARMONY]

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

Prerequisite: Music 3 or equivalent

## 5. COUNTERPOINT

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

Prerequisite: Music 3, 4

Mr. Comparetti

## 6. SYMPHONIC ANALYSIS

The investigation of symphonic form from the early 18th century to the works of Brahms and later symphonists. Problems of instrumentation, composition, and conducting will be considered.

Prerequisite: Music 3, 4 and permission of instructor

Mr. Comparetti

## [8. OPERA FORUM]

The study of famous representative operas, operatic history, and techniques.

Prerequisite: Music 1-2

NOTE: Qualified students will be granted credit for one half-course (equivalent to one of the forty courses required for graduation) for each block of three semesters of satisfactory participation in glee club, orchestra, or band, in addition to a first year (two semesters) of trial period without credit. Because graduation requirements are now in terms of courses and half-courses, not semester hours, all music credits must be in blocks of three semesters, since each semester's participation in the musical organizations is regarded as equal only to one-third of a half-course.

Total credit for musical activities is limited to the equivalent of one year-course, or two half-courses, regardless of the number of such activities in which the student participates.

*Example:* A student may be a satisfactory member of the glee club through all of his eight semesters in college. For the first two trial semesters he receives no credit. At the end of the fifth semester he is entitled to one-half course credit; at the end of the eighth semester he is entitled to another half-course credit, making total glee club credit of two half-courses, or one year-course. If he ceases participation in the activity short of five semesters, he receives no credit; nor is there any credit for the sixth and seventh semesters without completing the eighth.

The College offers opportunities for private instruction in piano, violin, viola, violoncello, and voice.

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

Students desiring private instruction in piano are referred to Mr. Comparetti; in voice to Mrs. Edward J. Colgan, 11 Gilman Street; and in violin to Mr. Walter Habenicht.

## MODERN LANGUAGES

Professor McCoy; Associate Professors Strong, Smith, and Bither; Assistant Professors Gardiner, Kellenberger, and Schmidt; Mr. Tuck and Mr. Biron.

## FRENCH

Major requirements: French 5-6; 7-8 or 9, 10; 11, 12 or 13, 14; 19, 20; German 25, 26; History 1, 2 or 5, 6; and two years of German or Spanish (if the student has not already had the equivalent in high school). A student desiring certification for teaching French must include French 7-8 and 21, 22 among his elections.

NOTE: In French 1-2, 3-4, and 5-6 students are allocated on the basis of their achievement in French as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

## 1-2. ELEMENTARY FRENCH

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

Prerequisite: none

## 3-4. INTERMEDIATE FRENCH

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

Prerequisite: French 1-2 or two years of high school French

5-6 ADVANCED COMPOSITION, CONVERSATION,  
AND READING

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

Prerequisite: French 3-4 or three years of high school French

## 7-8. SPOKEN AND WRITTEN FRENCH

Oral and written French, based upon the reading of narrative, dramatic, and critical literature; free and formal composition. Conducted chiefly in French.

Prerequisite: French 5-6

Mr. Kellenberger

9, 10. INTRODUCTION TO MODERN FRENCH  
LITERATURE

First semester: sources of contemporary French literature; readings in nineteenth century poetry, prose, and drama; the Romantic Movement, the Scientific Awakening, Realism, Parnassian Poetry, Naturalism, Symbolism. Second semester: contemporary French literature; the modern movement in poetry; the contemporary theater; the "roman fleuve;" and other prose of the twentieth century. Conducted partly in French.

Prerequisite: French 3-4 with mark of A or B, or French 5-6

Mr. Smith

† [11, 12. FRENCH LITERATURE OF THE  
SEVENTEENTH CENTURY]

A study of the principal masterpieces of French classical literature chosen from the work of Descartes, Pascal, Corneille, Racine, Molière, La Fontaine, and other writers of the period. Conducted chiefly in French.

Prerequisite: French 7-8 or 9, 10

\* 13, 14. FRENCH LITERATURE OF THE  
EIGHTEENTH CENTURY

Characteristic works of Montesquieu, Buffon, Voltaire, Diderot, Rousseau, Marivaux, Beaumarchais, Abbé Prévost, and Chénier; Romantic poets of the nineteenth century. Conducted chiefly in French.

Prerequisite: French 7-8 or 9, 10

Mr. Kellenberger

[15, 16. FRENCH LITERATURE OF THE  
NINETEENTH CENTURY]

Characteristic works of representative men, and the various literary movements of French literature of the nineteenth century.

Prerequisite: French 7-8 or 9, 10

19, 20. COMPREHENSIVE SURVEY OF FRENCH  
LITERATURE

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

Prerequisite: French 7-8 or 9, 10

Mr. Strong

21. ADVANCED SPOKEN AND WRITTEN FRENCH

Reading, speaking, and reciting French with a view to developing a correct accent; intended primarily for advanced students and prospective teachers. Conducted in French.

Prerequisite: French 7-8

Mr. Strong

## 22. TEACHING OF FRENCH AND SPANISH IN THE SECONDARY SCHOOL

Problems and methods of teaching French and Spanish; readings, discussions, practice work, and criticisms. Conducted in English.

Prerequisite: French 7-8 or 9, 10; or Spanish 9, 10

Mr. Strong

## 23, 24. 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 19, 20 Messrs. Strong and Smith

## GERMAN

Major requirements: German 5-6 or 9, 10; 17, 18 or 19, 20; 13, 14 or 15, 16 or 23, 24; 25, 26; History 1, 2 or 5, 6; and two years of French or Spanish (if the student has not already had the equivalent in high school).

NOTE: In German 1-2, 3-4, 5-6, and 9, 10 students are allocated on the bases of their achievement in German as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

### 1-2. ELEMENTARY GERMAN

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

Prerequisite: none

### 3-4. INTERMEDIATE GERMAN

Review of forms, and grammatical and syntactical principles; conversation; intensive reading of prose and poetry; collateral reading; systematic study of vocabulary and idioms.

Prerequisite: German 1-2 or two years of high school German

### 5-6. 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. Conducted chiefly in German.

Prerequisite: German 3-4 or three years of high school German

Mr. McCoy

## [9, 10. INTRODUCTION TO GERMAN LITERATURE]

Readings in eighteenth, nineteenth, and twentieth century poetry, prose, and drama. Masterpieces from representative writers, including Lessing, Goethe, Schiller, Grillparzer, Hebbel, and Hauptmann.

Prerequisite: German 3-4 or three years of high school German

## [13, 14. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY]

The literature of the Classical Period; Klopstock, Wieland, Herder, Lessing, Goethe, and Schiller. Emphasis on a detailed study of the masterpieces of Goethe and Schiller. Additional work will be required of any student who has passed a course beyond German 9, 10.

Prerequisite: German 5-6 or 9, 10

## [15, 16. GERMAN LITERATURE OF THE NINETEENTH 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. Additional work will be required of any student who has passed a course beyond German 9, 10.

Prerequisite: German 5-6 or 9, 10

## 17, 18. GERMAN POETRY

A general survey of German poetry, lyrical and dramatic, from the earliest times to the present. Additional work will be required of any student who has passed a course beyond German 9, 10.

Prerequisite: German 5-6 or 9, 10, and 25, 26 Mr. Bither

[19, 20. COMPREHENSIVE SURVEY OF GERMAN LITERATURE]

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

Prerequisite: German 5-6 or 9, 10 and 25, 26.

23, 24. 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 17, 18 or 19, 20

Messrs. McCoy and Bither

25, 26. 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 German language required.

Prerequisite: sophomore standing, at least      Mr. McCoy

SPANISH

Major requirements: Spanish 5-6; 9, 10; 11, 12; 17, 18; German 25, 26; History 1, 2 or 5, 6; and two years of French or German (if the student has not already had the equivalent in high school). A student desiring certification for teaching Spanish must include French 22 among his elections.

NOTE: In Spanish 1-2, 3-4, and 5-6 students are allocated on the basis of their achievement in Spanish as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

1-2. ELEMENTARY SPANISH

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

Prerequisite: none

## 3-4. 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 1-2 or two years of high school Spanish

## 5-6. CONVERSATION, COMPOSITION, AND READING

Practice in speaking, writing, and reading Spanish; prose and poetry; sight and collateral reading.

Prerequisite: Spanish 3-4 or three years of high school Spanish

Mr. Tuck

## 9, 10. INTRODUCTION TO SPANISH LITERATURE

Readings in prose, poetry, and drama of 19th and 20th Centuries from masterpieces of literature of Spain.

Prerequisite: Spanish 3-4 with a mark of A or B, or Spanish 5-6

Mr. Tuck

## † [11, 12. SPANISH LITERATURE OF THE GOLDEN AGE]

A study of the chief writers and works of the Classical Period: sixteenth and seventeenth centuries.

Prerequisite: Spanish 9, 10

## \* 17, 18. CONTEMPORARY LITERATURE IN SPANISH

Intensive study of the literature of Spain and Latin America during the twentieth century. Emphasis on the Generation of '98 and the "Modernista" movement.

Prerequisite: Spanish 9, 10

Mr. Tuck

## 23, 24. SPANISH SEMINAR

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

Prerequisites: Spanish 11, 12 and 17, 18

Miss Gardiner and Mr. Tuck

## DIVISION OF SOCIAL SCIENCES

*Chairman:* Professor Breckenridge

NOTE: For fulfilling the graduation requirement in social studies it is recommended that students elect a freshman-sophomore sequence of History 1, 2 and Economics 1-2, the contents of which have been integrated.

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

### COMBINED MAJORS:

- (a) History, Government, Economics; Adviser, Mr. Breckenridge  
Major requirements: History 5, 6 and Economics 1-2 in the sophomore year; one advanced course in History, one in Government, and one in Economics in each of the last two years.
- (b) American Civilization; Adviser, Mr. Fullam  
Major requirements: History 3, 4 and Economics 1-2 in the sophomore year; English 29, 30, Government 3, History 17, and Economics 3-4 in junior year; History 7, 8, Philosophy 13, Art 6, and History 23-24 in senior year.

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

## SOCIAL SCIENCE

### 1-2. MAN AND HIS WORLD

A study of man in relation to his physical and social environment. An introduction to the whole realm of the liberal arts, the course introduces the student to the several fields of human knowledge from the viewpoint not of the subject matter of those fields, but of man himself. Lectures by the instructor and by visitors from several departments and from outside the college. Readings, weekly discussion sections and quizzes.

Prerequisite: standing not higher than freshman

Mr. Marriner

## BUSINESS ADMINISTRATION

Professor Eustis; Associate Professor Seepe; Asst. Professor Bishop; Messrs. Williams, Howard, and Brodrick;  
Mrs. Manning and Mr. Hutchins

Major requirements: Business Administration 1, 2; 5, 6; 7; 16; Economics 1-2; and at least one additional year-course or its equivalent (other than 01, 02) in Business Administration. Freshmen intending to major in Business Administration should elect Business Administration 01, 02.

## 01, 02. INTRODUCTION TO BUSINESS

An introductory survey of the field of business Administration.

Prerequisite: standing not higher than freshman

Mr. Brodrick

## 1, 2. ELEMENTARY ACCOUNTING

Introduction to accounting principles and methods; desirable background for other courses in Business Administration.

Prerequisite: sophomore standing, at least; 1 is an "E" course.

Mr. Bishop

## [3, 4. ADVANCED ACCOUNTING]

Elaboration of accounting principles introduced in Business Administration 1, 2; emphasis upon theory and interpretation rather than method or procedure.

Prerequisite: Business Administration 1, 2 with satisfactory mark

## 5, 6. CORPORATION FINANCE

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

Prerequisite: sophomore standing, at least

Mr. Williams

## 7. PERSONAL FINANCE

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

Prerequisite: junior standing, at least

Messrs. Eustis and Williams

## 8. INVESTMENTS

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

Prerequisites: Business Administration 1, 2; 5, 6; and 7  
Messrs. Eustis and Williams

## \* 9. BUSINESS STATISTICS

Basic principles and methods of statistics and their application to business problems; emphasis upon systematic collection, careful analysis, logical interpretation and effective presentation of quantitative data.

Prerequisite: junior standing, at least Mr. Brodrick

## \* 10. CURRENT BUSINESS PROBLEMS

A study of current situations of importance to all or parts of the business world, with emphasis on the evaluation of business affairs in the trade and general press.

Prerequisite: junior standing, at least Mr. Brodrick

## † [11, 12. MARKETING]

Study of distribution channels for various classes of consumers' and industrial commodities with emphasis on marketing institutions and their functions. Considerable time is devoted to advertising.

Prerequisite: junior standing, at least

## † [13. BUSINESS MANAGEMENT]

Internal organization and control, plant location and layout, purchasing, materials handling, traffic, and time and motion study; with particular reference to manufacturing concerns.

Prerequisite: junior standing, at least

## † [14. HUMAN RELATIONS IN BUSINESS]

Personnel management, the problem of labor turnover, wage and salary administration, authority and responsibility, and the relationship of the individual to others on the same and other levels in the business organization.

Prerequisite: junior standing, at least

## \* 15. BUSINESS LAW

Fundamentals of business law. The course attempts to provide for the student the practical knowledge of the law which the business man should possess.

Prerequisite: junior standing, at least

Messrs. Howard and Hutchins

## 16. 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: limited to seniors majoring in Business Administration  
Mr. Howard and Staff

## 23, 24. SHORTHAND

Introduction to shorthand; Gregg method. See note below.

Prerequisite: none

Mrs. Manning

## 25. ADVANCED SHORTHAND

Dictation of material of literary, informational and vocabulary-building value; methods of teaching shorthand. See note below.

Prerequisite: Business Administration 24 or equivalent

Mrs. Manning

## 27, 28. TYPEWRITING

Introduction to touch typewriting; letter arrangement; tabulation; care of the typewriter; related topics. See note below.

Prerequisite: none

Mrs. Manning

## 29. ADVANCED TYPEWRITING

Continuation of Business Administration 28. See note below.

Prerequisite: Business Administration 28 or equivalent  
Mrs. Manning

NOTE: Shorthand may be taken either concurrent with or after typewriting. In either case academic credits toward graduation will be granted only as follows:

- (a) Three semesters of typewriting are the equivalent of one semester course.
- (b) One semester each of typewriting and shorthand are the equivalent of one semester course.
- (c) Two semesters each of typewriting and shorthand are the equivalent of a year-course.

Note especially that no credit toward graduation is granted for less than the equivalent of a semester course or for more than the equivalent of a year-course.

## ECONOMICS AND SOCIOLOGY

Professors Morrow and Breckenridge; Assistant Professor Pullen; Messrs. Birge and Allen

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

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

## ECONOMICS

Major requirements: freshman year, one physical science and History 1, 2; sophomore year, Economics 1, 2, Sociology 1, 2, and Psychology 1, 2; and at least six semester courses in economics in addition to Economics 1, 2. Students planning to do graduate study in the field of Economics should take at least one year-course in college Mathematics, have a good reading knowledge of French and German, and have a working knowledge of elementary statistics.

## 1, 2. PRINCIPLES OF ECONOMICS

An introductory course in the principles of economics and their applications to modern economic life.

Prerequisite: sophomore standing, at least. Course 1 is prerequisite for 2, and is an "E" course.

### 3, 4. ECONOMICS OF GOVERNMENT REGULATION

A study of the role of government in economic life, with emphasis on regulation of public utilities, monopolies, and trade practices.

Prerequisite: Economics 1, 2. Course 3 is prerequisite for 4.  
Mr. Breckenridge

### 5, 6. PUBLIC FINANCE

Problems of public revenue, expenditures, taxation, credit, financial administration, and legislation.

Prerequisite: Economics 1, 2. Course 5 is prerequisite for 6.  
Mr. Allen

### † [7-8. WORLD ECONOMICS]

This is a study of the major factors essential to an understanding of the economic issues that are confronting the World today.

Prerequisite: Economics 1, 2. Course 7 is prerequisite for 8.

### † [9. VALUE AND DISTRIBUTION]

The construction of a consistent body of economic theory as a foundation for further economic analysis.

Prerequisite: Economics 1, 2

### † [10. HISTORY OF ECONOMIC THOUGHT]

A study of the development of economic thought from ancient times to the present, with emphasis on the period since 1750.

Prerequisite: Economics 9

### 11, 12. MONEY AND BANKING

A study of the functions of money and monetary standards; the structure and operation of commercial banking and central banking in the United States; monetary theory and its application to current monetary and banking problems.

Prerequisite: Economics 1, 2. Course 11 is prerequisite for 12.  
Mr. Pullen

## 13, 14. LABOR ECONOMICS

A study of the economic aspects of labor problems, labor history, unions and management policies, and labor legislation.

Prerequisite: Economics 1, 2. Course 13 is prerequisite for 14. Mr. Pullen

## 15-16. ECONOMICS SEMINAR

A seminar devoted to the consideration of the major contributions to economic theory, with emphasis on current theory.

Prerequisite: Economics 1, 2 and senior standing  
Mr. Breckenridge

## SOCIOLOGY

Major requirements: Biology 1-2; Economics 1, 2; Psychology 1, 2; Sociology 1, 2, 3, 4, and any two other courses. Sociology 7-8 is required in the senior year. The following courses are especially important for students planning to enter social work. Economics 13, 14; History 3, 4; Psychology 3, 4, 9, 12; Sociology 5, 6, 9, 10.

## 1, 2. 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.

Prerequisite: sophomore standing; for students majoring in Sociology; Biology 1-2. Course 1 is prerequisite for 2 and is an "E" course.

## † [3. SOCIAL THEORY]

A study of the development of social thought from Plato to the present with special emphasis on the works of Plato, Machiavelli, Veblen and Bellamy.

Prerequisite: Sociology 1, 2

## † [4. POPULATION THEORY]

A survey of the major theories of population, with emphasis on reading original sources, vital statistics, population trends, and dynamic effects of population pressure.

Prerequisite: Sociology 1, 2

## 5. 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 1, 2

Mr. Morrow

## 6. 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 1, 2

Mr. Morrow

## 7-8. SOCIOLOGY SEMINAR

A seminar in the methods of social surveys, field studies, and research.

Prerequisite: Sociology 3, 4

Mr. Morrow

## 9, 10. RACE AND MINORITY GROUPS

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

Prerequisite: Sociology 1-2. Course 9 is prerequisite for 10.

Mr. Birge

## † [11-12. 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 1-2. Course 11 is prerequisite for 12.

## 13e. MARRIAGE AND THE FAMILY

A course which presents the available scientific knowledge about marriage. It deals with: mate selection, courtship, engagement, sex relations, emotional maturity, legal control, in-laws, finances, family planning and reproduction, family maladjustments, and the functions of marriage counseling. This is a one semester course given each semester.

Prerequisite: senior standing, or Sociology 1, 2

Mr. Morrow

## EDUCATION AND PSYCHOLOGY

Professor Colgan; Associate Professor Smith; Assistant Professors Goulston and Gullbergh

The College, through this Department, has undertaken to provide for students to meet in full the minimum requirements established by the Maine State Department of Education for the First Provisional Professional Secondary Certificate. That certificate is granted to college graduates who have completed eighteen semester hours in psychology and education (no more than six of which may be in psychology).

Candidates for positions as Directors of Physical Education are required to obtain a special certificate; this requirement may be met by completing a year-course in biology or physiology and Physical Education 5, 6.

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

Candidates for certification and recommendation would be well advised to consider the need for possessing markedly more than average endowments or acquirements in health, posture, voice, general appearance, physical and mental vigor, emotional stability, in the major personality traits and in scholarship. Special methods courses for prospective teachers may be included among the courses presented for certification. All teaching candidates must elect Education 3 and Psychology 14. Psychology 3 and 4 are required in certain states. No student will be permitted to elect more than two full courses (12 semester-hours) in education in any one year.

## EDUCATION

## 1. HISTORY AND PHILOSOPHY OF EDUCATION

Modern education as the outcome of a long series of historic events in which present-day ideals, standards, methods, and philosophies of education have evolved. The work of the great educators and their contributions will be evaluated.

Prerequisite: junior standing

Mr. Gullbergh

## 2. PRINCIPLES OF SECONDARY EDUCATION

The social philosophy underlying the secondary school and its historical evolution; consideration of aims, functions, curriculum organization and current problems.

Prerequisite: junior standing Mr. Gullbergh

## 3. GENERAL METHODS OF JUNIOR-SENIOR HIGH SCHOOL TEACHING

Methods of classroom instruction and management; testing and marking; problems of the novice; observation of teaching in local schools; demonstration teaching in class.

Prerequisite: junior or senior standing Mr. Smith

## 4. EDUCATIONAL TESTS AND MEASURES

History of the measurement movement; essential elements of educational statistics; the uses of standard tests and scales; construction and use of informal objective tests; improved essay type; diagnostic values of objective-type testing.

Prerequisite: junior or senior standing Mr. Smith

## 5e. DIRECTED TEACHING IN JUNIOR-SENIOR HIGH SCHOOL

A semester of teacher-apprenticeship, including observation of classroom procedures and actual teaching under supervision; conferences and reports. A course required in many states for certification. Offered each semester.

Prerequisite: senior standing, written recommendation of head of department of proposed teaching-subject, and special permission from instructor of this course. Additional time must be provided in student's program for travel between campus and school. Enrolment in this course is restricted because of limited facilities. Mr. Smith

## 9, 10. PROBLEMS IN EDUCATION

Independent study of special problems in education. Intended for high ranking Seniors whose training and experience qualify them for the work.

Prerequisite: special permission and senior standing  
Messrs. Colgan and Smith

## SPECIAL TEACHING METHODS

English 23, 24: The Teaching of English	Mrs. Smith
French 22: Teaching French and Spanish in Secondary School	Mr. Strong
Mathematics 20: Teaching Mathematics in Secondary School	Miss Pinette
Physics 20: Teaching Science in Secondary School	Mr. Brown

## PSYCHOLOGY

Major requirements: Psychology 1, 2; 5, 6 or 7, 8; 9; and nine additional hours in psychology; Biology 1-2 or Sociology 1, 2. Psychology 21, 22 is required of Seniors planning to do graduate work in psychology. Note: courses in advanced physics, biology, and statistics, and a good reading knowledge of French and German will prove especially valuable for graduate study.

## 1. GENERAL PSYCHOLOGY

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

Prerequisite: sophomore standing, at least. This is an "E" course.

## 2. APPLIED PSYCHOLOGY

Applications of psychology to business, industry, personnel problems, criminology, psycho-pathology, medicine, and mental hygiene. Instead of this course, candidates for teaching certificates are advised to elect Psychology 14.

Prerequisite: Psychology 1

Messrs. Colgan and Gullbergh

## 3. PSYCHOLOGY OF CHILDHOOD

Genetic study of childhood from the prenatal period to adolescence; problems of adjustment to growth and to social environment. Observations of children; reports. Intended for students interested in teaching, social work, counseling, and parenthood.

Prerequisite: junior standing, at least; Psychology 1, except by special permission.

Mr. Goulston

#### 4. PSYCHOLOGY OF ADOLESCENCE

A sequent of Psychology 3, with special emphasis on the psycho-physiological adjustments of adolescence, social relations, career motivations, and emotional balance. Individual case studies and reports.

Prerequisite: junior standing, at least; Psychology 1, except by special permission. Mr. Goulston

#### 5, 6. EXPERIMENTAL PSYCHOLOGY

The application of scientific methods to the study of mental processes and to human affairs in everyday life.

Prerequisite: junior standing, at least; and Psychology 1 with a mark of C or better. 5 is prerequisite for 6 and is an "E" course. Mr. Goulston

#### 7. SOCIAL PSYCHOLOGY

Orientation of the individual in society; society's stake in the individual; psychological bases of behavior; social interaction; psychological factors of social institutions and of social conflicts.

Prerequisite: Psychology 1, 2 or Sociology 1-2, with a mark of C or better Mr. Colgan

#### 8. PROBLEMS IN SOCIAL PSYCHOLOGY AND GENERAL SEMANTICS

Applications of Psychology 7 and study of the impact of conditioned language patterns on mental health. Problems of language and reality, personal and social effects of abstracting and labeling, semantics and mental disorders, common maladjustments and semantic re-education; semantic exercises. Monthly reports or a semester thesis.

Prerequisite: Psychology 7 with a mark of C or better Mr. Colgan

## 9. STATISTICS FOR PSYCHOLOGY

Role of measurement in psychology, distribution of scores, graphical representation, measures of central tendency and of variability, distribution curves and applications, sampling and inferences, correlation techniques, probabilities, testing hypotheses, limitations and values of statistical measures in the field of psychology.

Prerequisite: Psychology 1, 2; at least one year of college mathematics or two years of high school mathematics.

Mr. Smith

## 10. PSYCHOLOGICAL TESTS

A continuation of Psychology 9; historical survey, analysis, and training in use of psychological tests. Application of principles and techniques of statistics, with emphasis on testing in the fields of intelligence, personality, aptitudes, and interests.

Prerequisite: Psychology 9

Mr. Smith

## 11. INDUSTRIAL PSYCHOLOGY

Applications of psychology to industry and business: selling, advertising, consumer contacts; personnel selection, training, promotion; work conditions; socio-economic aspects; fatigue, monotony, accidents, and other psychological factors.

Prerequisite: Psychology 2. Note: Business Administration course in "human Relations in Business" is also recommended.

Mr. Goulston

## 12. PSYCHOLOGY OF PERSONALITY

Theories and determinants of personality; dynamics of human adjustment; subjective and objective analyses; projective and non-directive techniques. Foundations for counseling and interview procedures; teachers, social workers, nurses and psychiatric aides.

Prerequisite: Psychology 2

Mr. Goulston

## 14. EDUCATIONAL PSYCHOLOGY

Principles of the learning process; acquiring knowledge and skill; study of the child as learner and member of the school community; physical and mental health of the pupil; psychological functions and responsibilities of the teacher.

Prerequisite: junior standing and Psychology 1 Mr. Smith

## 21, 22. SEMINAR IN PSYCHOLOGY

Independent study of special problems. Intended for students whose training and experience qualify them for self-motivated effective work in one of the following fields; (a) experimentation or elementary research in psychology, (b) comparative study of the history and schools of psychology, (c) psychological testing and personality analysis, (d) applications of psychology in commercial, industrial, and other fields, (e) inter-departmental areas of psychology and sociology, biology, philosophy, or religion.

Prerequisite: special permission; senior standing.

Mr. Colgan  
Departmental Staff  
Associated Staffs

## HISTORY AND GOVERNMENT

Associate Professors Fullam and Anthon; Assistant Professor Flechtheim; Mr. Gillum

Attention is invited to the opportunity for concentrating in (1) history, government, and economics; (2) American civilization. See page 64.

## HISTORY

Major requirements: eight semester courses in history, including History 1, 2 (unless special exemption is granted), two semester courses in government, and at least two semester courses in another department of the Division of Social Sciences. Economics 1, 2 is particularly recommended.

## 1, 2. THE DEVELOPMENT OF WESTERN THOUGHT AND INSTITUTIONS

An introductory course designed to introduce the student to the cultural heritage of the western world by a study of the main historical trends from the Greeks and Romans to the present day and of the ideas and institutions which have contributed to the shaping of contemporary civilization.

Prerequisite: none; 1 is an "E" course and is prerequisite for 2.

Mr. Anthon and Staff

## 3, 4. HISTORY OF THE UNITED STATES, 1776-1949

United States history from the Declaration of Independence to the present time, with special emphasis on the evolution of American ideas and institutions.

Prerequisite: sophomore standing, at least; 3 is an "E" course and is prerequisite for 4. Mr. Fullam

## 5, 6. HISTORY OF MODERN EUROPE, 1789-1947

From the outbreak of the French Revolution to the present time, with special emphasis on the background of recent world conflicts and contemporary problems.

Prerequisite: sophomore standing, at least; 5 is an "E" course and is prerequisite for 6. Mr. Anthon

## [7. AMERICAN COLONIAL HISTORY, 1492-1763]

European exploration and discovery: the settlement and development of the American colonies and institutions.

Prerequisite: History 3, 4, and junior standing, at least

## [8. THE AMERICAN REVOLUTION AND THE FORMATION OF THE UNION]

A continuation of History 7.

Prerequisite: History 7

## [9. HISTORY OF THE FAR EAST]

History of the Far East, particularly China and Japan, in modern times, with special emphasis on the Far Eastern policy of the United States, and the background of World War II.

Prerequisite: sophomore standing, at least

## 10. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE

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

Prerequisite: History 5, 6, junior standing, or special permission Mr. Flechtheim

## 11. RENAISSANCE AND REFORMATION

A survey of the period of transition from the medieval to the modern world.

Prerequisite: sophomore standing, at least      Mr. Anthon

## 12. HISTORY OF RUSSIA

Political and social development of the Russian people from the time of Peter the Great to the present, with special emphasis on the emergence of Soviet Russia as a world power.

Prerequisite: History 1, 2; and junior standing, at least  
Mr. Anthon

## [13. MEDIEVAL CIVILIZATION]

The political, cultural, and institutional history of Europe from the decline of the Roman Empire to the development of national states.

Prerequisite: sophomore standing, at least

## [14. HISTORY OF LATIN AMERICA]

A survey of the colonial period and the history of the countries of Latin America, with emphasis on contemporary problems and inter-American relations.

Prerequisite: sophomore standing, at least

## 15, 16. HISTORY OF ENGLAND

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

Prerequisite: sophomore standing, at least; 15 is an "E" course.      Mr. Gillum

## 17. ENGLISH CONSTITUTIONAL HISTORY

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

Prerequisite: junior standing, at least      Mr. Gillum

## [18. HISTORY OF CENTRAL EUROPE]

Background and history of Germany, Austria-Hungary, and Czechoslovakia from 1648 to the present time, with special emphasis on the role of Central European countries during the world crises of 1789, 1914, and 1939.

Prerequisite: History 1, 2; and junior standing, at least.

## [19. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES]

A survey with emphasis on the evolution of social institutions, the development and interplay of scientific, artistic, and literary currents.

Prerequisite: History 3, 4

## [20. HISTORY OF WESTWARD EXPANSION]

Study and critical evaluation of the frontier thesis in American History.

Prerequisite: History 3, 4

## 21, 22. CLASSICAL CIVILIZATION

The cultures of Greece and Rome, and their contributions to the western world.

Prerequisite: sophomore standing, at least Mr. Bliss

## 23-24. 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: senior standing, with concentration in history; B average in history courses, or by special permission.

Mr. Flechtheim and Staff

## 25. TOPICS IN HISTORY

Study of History through special topics.

Prerequisite: senior standing and History major Staff

## GOVERNMENT

## 1, 2. FOREIGN GOVERNMENTS AND POLITICS

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

Prerequisite: History 1, 2, and sophomore standing, at least; 1 is an "E" course and is prerequisite for 2.

Mr. Flechtheim

## 3. AMERICAN GOVERNMENT AND POLITICS

The organization and administration of our national government.

Prerequisite: junior standing, at least

Mr. Fullam

## 4. PUBLIC ADMINISTRATION

An introduction to administration in American government; the legislative relationships, and the principles of executive control and coordination.

Prerequisite: Government 3

Mr. Fullam

## 5, 6. POLITICAL THEORY

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

Prerequisite: junior standing, at least; 5 is an "E" course.

Mr. Flechtheim

## [7. AMERICAN FOREIGN POLICY]

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

Prerequisite: History 3, 4 or 5, 6; and junior standing, at least.

## 8. INTERNATIONAL RELATIONS

Basic factors governing international relations and contemporary world problems, with attention to the United Nations.

Prerequisite: junior standing, at least

Mr. Gillum

## [12. RESEARCH IN UNITED STATES GOVERNMENT]

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

Prerequisite: Government 3

## PHILOSOPHY AND RELIGION

Professor Bixler; Associate Professor Clark; —, —

## PHILOSOPHY

Major requirements: Philosophy 4, 5, 6 or 13, 17 or 18, and four further semester courses.

As general introductions to philosophy available to students during their sophomore year or later, the following three alternatives are offered: Philosophy 3, 4; Philosophy 5, 6; Philosophy 7, 8. The contents of each of these courses has been integrated with the appropriate parts of the freshman course, Social Science 1-2 (Man and His World) which, however, is not a prerequisite. It will be noted that several courses in Religion may be elected at the same academic level.

## 3. PHILOSOPHY AND THE SCIENCES

The philosophical implications of the Copernican revolution in Astronomy, the Theory of Evolution in Biology, and some of the outstanding findings of contemporary physical and social science.

Prerequisite: sophomore standing, at least                      Mr. Clark

## 4. LOGIC

The distinction between valid and invalid reasoning in common thought. An introductory study of the logic of scientific method and of the role of logic in the varied types of human thought. Practice in detecting fallacies.

Prerequisite: sophomore standing, at least                      Mr. Clark

## 5. HISTORY OF PHILOSOPHY — ANCIENT

A study of the thought of a few of the greatest ancient philosophers, with special consideration of Socrates, Plato, Aristotle, Epicurus, Plotinus and St. Augustine.

Prerequisite: sophomore standing, at least                      Mr. Clark

## 6. HISTORY OF PHILOSOPHY — MODERN

European philosophy from Descartes to Whitehead, with special attention to the works of Spinoza, Locke, Hume, Rousseau, Kant and Schopenhauer.

Prerequisite: sophomore standing, at least Mr. Clark

## [7. ETHICS]

A systematic study of the meaning of right and wrong, better and worse, in human relationships. The relation of these conceptions and their presuppositions to the findings of the social sciences and to contemporary social problems. The relation between ethics and religion.

Prerequisite: sophomore standing, at least

## [8. THE PRESENT CONFLICT OF SOCIAL PHILOSOPHIES]

A study of the philosophical doctrines of Fascism, Communism, and the Democratic conception of Civilization.

Prerequisite: sophomore standing, at least

## 9-10. ETHICAL ISSUES IN THE MODERN WORLD

A course taught cooperatively by all members of the Department of Philosophy and Religion, and some outside speakers, dealing with specific contemporary problems of decision. Sequence of topics: the relevance of ethics in an atomic age; the ethics of power and particularly of different types of social power; ethics of totalitarianism and democracy; human rights; the rights of racial and religious minorities; the program of non-violence and the conscientious objector; freedom and security; American sexual morality and the family; crime and punishment; business and professional ethics. The course will be conducted as a cooperative search, on the part of the instructors and students jointly, for a system of ethical principles adequate to deal with such topics as those listed above. Weekly readings, panel discussions, and lectures.

Prerequisite: junior standing, at least; and a grade of C or better in each of two year-courses from the offerings of two different departments in the Division of Social Sciences.

Messrs. Bixler, Clark, and Staff

## 13. AMERICAN THOUGHT

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

Prerequisite: junior standing, at least

Mr. Bixler

## [15. PHILOSOPHY OF RELIGION]

An analysis of the religious point of view and a consideration of some of the problems it has raised for outstanding thinkers from Plato to James.

Prerequisite: junior standing, at least

## 17, 18. PHILOSOPHY SEMINAR

Special topics chosen each year to meet the needs of philosophy majors.

Prerequisite: ordinarily a major in philosophy is required but specially qualified students not majoring in philosophy may sometimes be admitted with the consent of the instructor.

Mr. Clark

*RELIGION*

Major requirements: Religion 1, 2, 3, 4 and at least four additional semester courses in Religion selected with the approval of the Head of Department.

## 1. OLD TESTAMENT LITERATURE

Stress on historical development, types of literature, contemporary culture and religious message.

Prerequisite: standing not higher than sophomore

## 2. EARLY CHRISTIAN LITERATURE

Books of the New Testament; historical background; Jesus, Paul and the early Church fathers.

Prerequisite: standing not higher than sophomore

## 3. RELIGIONS OF THE WORLD

Religions of Primitives, Egypt, Babylonia, Persia, India, China, and Japan.

Prerequisite: sophomore standing, at least

## 4. RELIGIONS OF THE WORLD

Judaism, Mohammedanism, Christianity; Slavic and Teutonic.

Prerequisite: sophomore standing, at least

## [9. VARIETIES OF RELIGIOUS PERSONALITIES]

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

Prerequisite: sophomore standing, at least

## [10. RELIGION IN MODERN LIFE]

A study of the function and problems of modern Judaism, Roman Catholicism, and Protestantism in the United States today, with particular reference to their use of the Bible, their Theology, Anthropology, Social Philosophy. Occasional lectures by guest priests, ministers, and rabbis.

Prerequisite: sophomore standing, at least

## DIVISION OF SCIENCE

*Chairman:* PROFESSOR WEEKS

## PRE-MEDICAL MAJOR

Students preparing for medical school usually take a specially arranged field of concentration called the pre-medical major. In addition to courses required of all students for graduation, this major requires the following specific courses: Chemistry 1, 2; 5, 6; 7, 8; 9, 10; Biology 1-2, 5, 6 or 7, 8; Physics 1, 2 or 3, 4; Mathematics 1, 2. All applicants for medical school are required to take the Medical Aptitude Test at some time preceding the completion of the college course.

**BIOLOGY**

Professor Gates; Assistant Professor McKey, —, —

Major requirements: Biology 1-2; 3, 4; 5, 6; 7, 8; 11. Students preparing for graduate study in biology should consult with the head of the department as to election of other science courses.

**1-2. GENERAL BIOLOGY**

An introductory course primarily concerned with backboneed animals: digestion, circulation, respiration, excretion, chemical and nervous control, reproduction, development, with special reference to man and his place in nature, mitosis, meiosis, heredity. The macroscopic and microscopic anatomy of one backboneed animal, the frog, and its development, is studied in the laboratory, as well as selected representatives of several invertebrate groups.

Each student will provide himself with a standard set of dissecting instruments (which may be purchased at the College Book Store), standard drawing paper, pencil and eraser.

Prerequisite: standing no higher than sophomore

Mr. Gates

**3, 4. BOTANY**

First Semester: anatomy and physiology of plants.

Second Semester: succession of plant forms from algae to flowering plants with main emphasis on reproduction and economic value.

Prerequisite: Biology 1-2; 3 is prerequisite for 4

**5, 6. COMPARATIVE ANATOMY OF THE VERTEBRATES**

The comparative anatomy and evolution of vertebrate animals.

Prerequisite: Biology 1, 2; 5 is prerequisite for 6.

**7. MICROSCOPIC ANATOMY AND TECHNIQUE**

A study of the fundamental tissues and organs of vertebrates, with consideration of laboratory methods of preparation, and practice with the paraffin method of imbedding and sectioning of tissues, staining and mounting.

Prerequisite: Biology 1, 2

## 8. VERTEBRATE EMBRYOLOGY

A study of early vertebrate development with particular attention to the frog and chick. Consideration of the germ cells, maturation, cleavage, and early organography.

Prerequisite: Biology 1, 2

## 9. INVERTEBRATE ZOOLOGY

An introduction to the morphology, physiology, embryology, ecology, and economic importance of animals without backbones. (A summer course at some seashore laboratory may be substituted for Biology 9.) Enrollment limited by facilities.

Prerequisite: Biology 1-2                      Messrs. Gates and McKey

## 10. MICROBIOLOGY

A study of yeasts, molds, and bacteria; their role in the living world, and their relation to man and his activities.

Prerequisite: Biology 1, 2; Chemistry 1, 2

## [11. EVOLUTION]

Proofs, factors and causes of Evolution.

Prerequisite: permission of instructor

## 12. GENETICS

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

Prerequisite: Biology 1-2, and junior standing, at least  
Mr. Gates

## 13, 14. BIOLOGY SEMINAR

Prerequisite: special permission                      Mr. Gates

## 15. HUMAN PHYSIOLOGY

The physiology of the systems of the human body. Lectures and laboratory. In addition, visits to hospitals and other institutions.

Prerequisite: Biology 1-2 and Chemistry 1, 2  
Mr. McKey

## 16. HUMAN ANATOMY

Lectures, assigned readings and visits to hospitals and other institutions. Laboratory work on the cat.

Prerequisite: Biology 1-2

Mr. McKey

Courses 15 and 16 are designed primarily for students majoring in Nursing or Medical Technology.

## CHEMISTRY

Professor Weeks; Associate Professor Ray; Assistant Professor Jaquith

## PROFESSIONAL MAJOR

Requirements: Chemistry 1, 2, 5, 6, 7, 8, 9, 10, 11, 12 and at least one of the more advanced courses. Physics 1, 2 or 3, 4. Mathematics 3, 4. Two years of German are recommended.

## NON-PROFESSIONAL MAJOR

Requirements: Chemistry 1, 2, 5, 6, 7, 8, 9, 10. Other courses which will best suit the needs of the student should be selected in consultation with the head of the department.

## 1, 2. GENERAL CHEMISTRY

History, occurrence, distribution, preparation, properties, and uses of the elements and their principal compounds. Four semester hours of credit per semester.

Prerequisite: standing not higher than junior; 1 is prerequisite for 2

Mr. Weeks

## 5. QUALITATIVE ANALYSIS

The reactions and detection of the metallic and non-metallic ions and radicals, based upon the theory of ionization and mass action.

Prerequisite: Chemistry 1, 2

Mr. Jaquith

## 6. CHEMICAL PRINCIPLES

The fundamentals of theoretical chemistry, based upon quantitative measurements. The laboratory includes physical chemical measurements and some practice in semimicro qualitative analysis.

Prerequisite: Chemistry 5

Mr. Jaquith

## 7, 8. QUANTITATIVE ANALYSIS

Theoretical and practical instruction in quantitative analysis as illustrated by selected gravimetric, volumetric, and electro-chemical methods. Three hours of laboratory work per week in addition to those regularly scheduled are required of students majoring in chemistry.

Prerequisite: Chemistry 5, 6 (either passed or elected concurrently) Mr. Ray

## 9, 10. ORGANIC CHEMISTRY

The preparation, reactions, properties, and structure of the aliphatic, carbocyclic, and heterocyclic compounds. Four semester hours of credit per semester.

Prerequisite: Chemistry 1, 2; 9 is prerequisite for 10  
Mr. Weeks

## 11, 12. PHYSICAL CHEMISTRY

The theories, fundamental laws, and methods of physical chemistry.

Prerequisite: Chemistry 5, 6; and 7, 8. Math 3, 4 either passed or elected concurrently Mr. Ray

## [13, 14. APPLIED CHEMISTRY]

The more important applications of organic, inorganic, and physical chemistry to industrial processes.

Prerequisite: Chemistry 5, 6, 9, 10

## 15, 16. CHEMISTRY SEMINARS

Section A Analytical Chemistry	Mr. Ray
Section B Physical Chemistry	Mr. Ray
Section C Organic Chemistry	Mr. Weeks
Section D Inorganic Chemistry	Mr. Jaquith

Conferences, library and experimental work in one of the fields of Chemistry indicated above.

Prerequisites: Chemistry 1, 2, 5, 6, 7, 8, 9, 10, 11, 12 (either passed or taken concurrently)

## GEOLOGY AND GEOGRAPHY

Associate Professor Koons, Mr. Rush, —

Major Requirements: Geology 1-2, 11, 12, 40, and three additional semester courses from the Department listings. Students preparing for professional work in Geology should elect at least one year in mathematics, physics, chemistry, and biology early in the college career. A reading knowledge of French and German is required of doctoral candidates at all graduate schools.

### GEOLOGY

#### 1-2. PHYSICAL AND HISTORICAL GEOLOGY

The topographic forms of the earth's surface and the agencies which produce them: rivers, subsurface water, glaciers, winds, waves and currents; volcanism and the forces of crustal deformation. The history and structure of the earth and the record of life in the geologic past. Fossils and their significance in dating the geologic record. Local field trips.

Prerequisite: none

Mr. Koons

#### 11, 12. MINERALOGY AND PETROLOGY

Crystallography, chemical analysis and methods for determination of minerals. Rocks of the earth's crust, their origin, structure, and composition. Economic significance of rocks and minerals.

Prerequisite: Geology 1-2

Mr. Rush

#### 23. MAP INTERPRETATION

Systematic study of the origin, history and classification of landforms, based on study of the topographic maps of the United States.

Prerequisite: Geology 1-2

Mr. Koons

#### 24. PHYSIOGRAPHY OF THE UNITED STATES

The geologic structure, geomorphic history, and physiographic divisions of the United States.

Prerequisite: Geology 1-2

Mr. Koons

## 25. PALEONTOLOGY

Introduction to the study of fossils as clues to conditions in the geologic past, their classification, and their bearing on the theory of Evolution.

Prerequisite: Geology 1-2

Mr. Rush

## 26. ADVANCED HISTORICAL GEOLOGY

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

Prerequisites: Geology 1-2, 25

Mr. Rush

## [31. GEOLOGIC FIELD METHODS]

Construction of topographical and geological maps; interpretation of aerial photographs; preparation of brief reports.

Prerequisites: Geology 1-2, 11, 12 taken or elected concurrently

## [32. STRUCTURAL GEOLOGY]

Analysis of rock structures and their significance; structural problems; the structure of the Waterville region.

Prerequisites: Geology 1-2, 11, 12 taken or elected concurrently

## [33. GLACIAL GEOLOGY]

Mechanics of ice; history and deposits of the Glacial period, with special attention to features in Maine.

Prerequisite: Geology 1-2

## 35. ADVANCED PHYSICAL GEOLOGY

Study of the geology of continents and ocean basins, regional structures, crustal forces, and theories of earth origin. Regular reports and discussions.

Prerequisites: Geology 1-2, 24, 31, and junior standing, at least

Mr. Koons

## 40. APPLIED GEOLOGY

Geological science in modern life; mining, quarrying, geophysical problems; ground water, soil conservation; structural problems of dams and tunnels. Regular reports and discussions.

Prerequisites: Geology 1-2, 11, 12 and senior standing  
Mr. Rush

## GEOGRAPHY

## 1. METEOROLOGY

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

Prerequisite: none

## 2. CLIMATOLOGY

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

Prerequisite: none

## 3, 4. GEOGRAPHIC REGIONS OF THE WORLD

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

Prerequisite: Geology 1, taken or elected concurrently

[5. GEOGRAPHY OF EUROPE AND  
SOUTH AMERICA]

The geographic framework of Europe and Latin America; environmental zones, and man's adaptations; the political and economic consequences of geography.

Prerequisite: Geology 1, taken or elected concurrently

## [6. GEOGRAPHY OF ASIA]

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

Prerequisite: Geology 1

## [7. PRINCIPLES OF ECONOMIC GEOGRAPHY]

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

Prerequisite: sophomore standing, at least

## [8. PRINCIPLES OF POLITICAL GEOGRAPHY]

Geographical factors in politics, including natural resources, means of transportation, access to the sea, climate, and topography, and their influence on national and international development.

Prerequisite: sophomore standing, at least

## MATHEMATICS

Professor Combellack; Assistant Professor Pinette;  
Mr. Stanley

Major requirements effective with the class of 1953: Mathematics 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. For the classes of 1951 and 1952: Mathematics 1, 2, 3, 4, 5, 6, 9, 10.

## 01, 02. BASIC COLLEGE MATHEMATICS

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

Prerequisite: one year or a year and a half of high school algebra and one year of plane geometry; 01 is prerequisite for 02. Students who have passed two years of high school algebra are not eligible to elect this course. Mr. Stanley

## 1, 2. 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; 1 is prerequisite for 2. Students who have passed 01 are not allowed credit for 1.

### 3, 4. 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 1, 2; 3 is prerequisite for 4  
Mr. Combellack and Miss Pinette

### 5, 6. ADVANCED CALCULUS

The more advanced topics of calculus, including detailed study of continuity and related theorems, 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 3, 4; 5 is prerequisite for 6  
Mr. Combellack

### 7, 8. 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 3, 4; 7 is prerequisite for 8  
Mr. Combellack

### † [9, 10. GEOMETRY]

Analytic geometry of two and three dimensions; projective geometry.

Prerequisite: Mathematics 3, 4; 9 is prerequisite for 10

### [11, 12. 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 3, 4; 11 is prerequisite for 12

\* 17, 18. INTRODUCTION TO MATHEMATICAL  
STATISTICS

Frequency distributions; large-sample theory; small-sample theory; Tchebycheff's Inequality; confidence limits; statistical design.

Prerequisite: Mathematics 1, 2; 17 is prerequisite for 18  
Mr. Stanley

\* 20. TEACHING OF MATHEMATICS IN THE  
SECONDARY SCHOOLS

History of mathematics and a consideration of its purposes and values in the secondary school; study of school texts; demonstration teaching by each student.

Prerequisite: Mathematics 3, 4 Miss Pinette

21, 22. 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 5, 6 or 7, 8, or by permission  
Miss Pinette and Mr. Combella

PHYSICS

Professor Brown, —

Major requirements: Physics 1, 2 or 3, 4; and 5, 6, 7, 9, 10, and 12; Mathematics 1, 2, 3, 4; and Chemistry 1, 2. Students concentrating in physics are advised to elect additional courses in physics to provide an adequate concentration in one particular branch of the subject. Students preparing for graduate study in physics should consult department head as early as possible.

1, 2. ELEMENTARY PHYSICS

A survey of the basic phenomena of mechanics, heat, sound, electricity, and light; selected topics in modern physics. Restricted to students who received no admission credit in physics. Students who do sufficiently well will be permitted to elect advanced courses in physics. Four semester hours of credit per semester.

Prerequisite: none. Whichever course is taken first is an "E" course.

## 3, 4. GENERAL PHYSICS

A quantitative study of mechanics, heat, sound, electricity, light, and modern physics. Four semester hours of credit per semester.

Prerequisite: none. Whichever course is taken first is an "E" course. Mr. Brown

## [5. MECHANICS]

Statics, kinematics and dynamics with special emphasis on practical applications.

Prerequisite: Physics 3, 4; and Mathematics 3 (either passed or elected concurrently) Mr. Brown

## [6. HEAT AND THERMODYNAMICS]

A thorough study of heat phenomena and elementary thermodynamics, with their applications to practical problems.

Prerequisite: Physics 3, 4; Mathematics 4 (either passed or elected concurrently) Mr. Brown

## 7. OPTICS

The more important topics of geometrical and physical optics; optical instruments, interference, diffraction, polarization, and spectroscopy.

Prerequisite: Physics 3, 4

## [8. SOUND]

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

Prerequisite: Physics 3, 4; and Mathematics 4 (either passed or elected concurrently)

## 9-10. ELECTRICITY AND MAGNETISM

The principles of direct and alternating currents and their more important applications.

Prerequisite: Physics 3, 4 and Mathematics 4, 3 Mr. Brown

## 12. ELEMENTARY MODERN PHYSICS

A study of the development of modern theories of the structure of matter; thermionic and photoelectric effects and their applications in electronic devices.

Prerequisite: Physics 3, 4

## †[13-14. ELECTRONICS]

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

Prerequisite: Mathematics 3, 4 and Physics 9, 10 or equivalent  
Mr. Brown

20. 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 aid, selection of textbooks, application of unit method, integration of class and laboratory, budget and inventory.

Prerequisite: eight semester hours of physics, six additional hours of another laboratory science, and an education course taken previously or concurrently.  
Mr. Brown

## 21, 22. 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 HEALTH AND PHYSICAL EDUCATION

*Chairman:* PROFESSOR LOEBS

Associate Professors Loeb and Millett; Assistant  
Professors Roundy, Marchant, Holmer, and  
Williams; Mr. Keefe and Instructor;  
Dr. Dore

The College places special emphasis upon all measures and provisions that will promote and maintain the health and physical efficiency of its students. The immediate responsibility for this function is delegated to the Division of Health and Physical Education.

### HEALTH SERVICE

The College Physician maintains at the College Infirmary daily office hours at which time all students may consult him. The College operates infirmaries for men and women with resident nurses under the direction of the College Physician, and has a consulting medical staff who may be called by the College Physician in cases of serious illness.

Every student is given a careful health examination soon after his arrival at the beginning of each year, and advised periodic checkups whenever necessary. It is a college requirement that each regularly enrolled student file a health statement and a physician's certificate. It is desirable that all remediable defects be corrected before the student enters college.

The College Physician will advise each student with physical disabilities or limitations as to the proper program for his particular case.

### PHYSICAL EDUCATION FOR MEN

The Physical Education program for men is divided into three major phases: required physical education, intercollegiate athletics and intramural athletics.

All freshmen and sophomores are required to participate in organized physical education classes at least three hours a week. Selection of a regular section must be made at the time of course elections. A regulation uniform is required

for students enrolled in the program, consisting of trunks, shirt, warm-up suit and rubber soled shoes. Uniforms are secured through the College Bookstore, and each student is responsible for providing himself with the necessary equipment prior to the first meeting of the regular classes.

### 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, body mechanics, dance, varied sports, volleyball, tournaments, and winter sports; Spring Season: archery, dance, softball, and tennis. Sophomores may substitute one hour per week of riding or bowling during appropriate seasons.

### PROFESSIONAL HEALTH AND PHYSICAL EDUCATION

The Department offers professional training to those students who are interested in preparing for positions as teacher-coach or Physical Education instructor in public and private schools. The courses not only embody training in the coaching of athletic sports but also emphasize training in Health and Physical Education for students who are interested in securing a non-professional certificate. The six hours of credit for these courses, together with six hours in Biology, will meet the requirements for the initial Certificate in Physical Education issued by the Maine State Department of Education.

### 5. 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 and junior standing, at least  
Mr. Loeb and Miss Marchant

### 6. THE ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

Administrative policies, practices, teaching methods, and standards pertaining to the execution of a modern program of health, physical education, and recreation in the public schools.

Prerequisite: special permission and junior standing, at least  
Mr. Loeb and Miss Marchant

## DIVISION OF NURSING AND MEDICAL TECHNOLOGY

### SCHOOL OF NURSING

Assistant Professor Pearl R. Fisher, R.N., *Acting Director*

"Today," says Dr. Esther Lucile Brown, of the Russell Sage Foundation, "the nurse probably ranks close to the teacher as a social necessity." Recognizing the importance of this fact, the Board of Trustees established the Colby School of Nursing in 1943 to prepare young women as professional nurses qualified not only in the techniques and skills of nursing, but as socially competent individuals capable of assuming leadership among their co-workers and in the community at large. The curriculum, upon the successful completion of which a student is granted the degree of Bachelor of Arts and a Diploma in Nursing, provides a cultural and social background to basic nursing education carefully integrated with professional education and experience, and preparation for state examinations for certification as Registered Nurse.

Prior to the twenty-nine months' period of professional education there are three college years of academic work during which cultural, social and scientific courses provide for a foundation upon which clinical and other professional training are based. These courses satisfy in part the requirement for a baccalaureate degree.

Major requirements: Chemistry 1, 2, 9; Biology 1-2, 10, 15, 16; Psychology 1, 2; Sociology 1-2; and one additional semester's work in Psychology or Sociology.

During the semesters they are in attendance at Colby, students are subject to the same academic, financial and social regulations and responsibilities as all other students.

For the period of Clinical Education and Practice the expenses will be approximately \$325 distributed as follows: Tuition \$100; Board and Room during the eight-week pre-clinical period \$75; Uniforms and Fees \$150.

### PROFESSIONAL COURSES

The following professional courses are required of and open only to students majoring in nursing; they are given not at Colby College but at the appropriate hospitals or public health organizations. They vary in length, and credits for their successful completion are not measured in the usual standard of three semester hours per course.

#### 3. PROFESSIONAL ADJUSTMENTS (I)

Introduction to professional problems for beginning students.

#### 4. INTRODUCTION TO NURSING ARTS

Elementary techniques and procedures used in nursing care. Classroom demonstrations and practice.

#### 10. NUTRITION (I)

Nutrition, foods, and cookery.

#### 11. NUTRITION (II)

Diet therapy. A study of diets as therapeutic agents.

## 20. INTRODUCTION TO MEDICAL SCIENCES

A survey of the causative factors in illness.

## 21, 22. PHARMACOLOGY AND THERAPEUTICS

A study of the source, action, and uses of drugs.

## 100. GENERAL MEDICAL AND SURGICAL NURSING

A survey of the field of general medicine and surgery, including aetiology, symptomatology, treatment, and nursing care. Lectures, classroom demonstrations, and supervised experience.

110. NURSING OF ALLERGIES AND  
DERMATOLOGICAL NURSING

A survey of these fields, including etiology, symptomatology, treatment, and nursing care.

## 111. COMMUNICABLE DISEASE NURSING

Etiology, symptomatology, treatment and nursing care in the communicable diseases of children and adults.

## 120. NURSING IN SURGICAL SPECIALTIES

A survey of the fields of urology, gynecology, orthopedics, ophthalmology, and laryngology, including etiology, symptomatology, treatment, and nursing care.

## 121. OPERATING ROOM TECHNIQUE

Lectures, demonstrations, and conferences on operating room techniques and procedures.

## 130. PEDIATRIC NURSING

A survey of the field of pediatrics, including normal child development. The nursing care of the sick child.

## 140. OBSTETRICAL NURSING

Principles and practices of obstetrics, and the nursing care of the obstetrical patient. Preparation of formulas.

## 150. COMMUNITY HEALTH PROBLEMS

A survey of modern community organizations, with special reference to community health.

## 160. PSYCHIATRIC NURSING

A survey of the field of psychiatry and the nursing care of the psychiatric patient.

## 170. PROFESSIONAL ADJUSTMENTS (II)

Advanced professional problems for senior students.

## 180. HISTORY OF NURSING

Its development from ancient to modern times.

## DEPARTMENT OF MEDICAL TECHNOLOGY

Julius Gottlieb, M.D., *Director*

Mrs. Helen M. Smith, *Adviser*

This department was established to supplement the regular cultural and scientific college curriculum with training in the special skills and advanced studies necessary to prepare a young woman for a career as a clinical laboratory technician or medical technologist, competent to perform the innumerable chemical, microscopic, bacteriologic, and serologic tests used in the diagnosis and treatment of disease. The successful completion of the entire curriculum qualifies a student for the degree of Bachelor of Arts and prepares her for passing the Registry Examination of the American Society of Clinical Pathologists. The "M.T." certificate of the Society is universally accepted by hospitals and medical associations as proof of competence in this field.

Prior to the period of professional training there are three years of academic work during which cultural, social and scientific courses provide for a foundation upon which clinical and other professional training are based.

Major requirements: Chemistry 1, 2 and Mathematics 1, 2 in freshman year; Biology 1-2, Chemistry 5, 6 or Physics 4 in sophomore year; Biology 15, 10, Chemistry 8, 9, and Psychology 1, 2, in junior year.

The period of clinical education will be distributed as follows: *Three Months* will be spent at the Central Maine General Hospital laboratories, Lewiston, for intensive laboratory training in clinical laboratory methods under the direction of Dr. Julius Gottlieb and staff. Subjects: Urinalysis; Sputum, Feces, Gastric Contents, Spinal Fluids, Basic Metabolism Determinations; Hematology; Bacteriology, Serology and Parasitology; Clinical Chemistry; Histological Technique; lectures and discussions in interpretation of laboratory findings. *Three months* will be spent at the Joseph H. Pratt Diagnostic Hospital laboratories, Boston. Subjects: Advanced Hematology; Advanced Clinical Chemistry; Advanced Bacteriology. *Six months* will be spent in training in applied Medical Technology in laboratory methods at the Central Maine General Hospital laboratories, Lewiston, or other Associated Hospital laboratories, under the guidance of Dr. Julius Gottlieb and technical staff.

During the semesters they are in attendance at Colby students are subject to the same academic, financial, and social regulations and responsibilities as all regular students. For the twelve month period of clinical education the total expense will be approximately \$150 in excess of that for a normal nine-month college year.

#### SPECIAL NOTE

*Beginning with the class admitted in September, 1950, Colby College will accept no new students in Nursing or Medical Technology. After the students now enrolled in those programs have completed the course, it will be withdrawn from the curriculum.*

# DIRECTORIES



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COMMITTEES OF THE BOARD  
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# Directories

## The Corporation

CORPORATE NAME: The President and Trustees of Colby College

### OFFICERS

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*Professor, Andover-Newton Theological Seminary*

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Date in parenthesis indicates expiration of the member's three year term.  
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- GUY GEORGE GABRIELSON, LL.D., (1950) New York, N.Y.  
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*Former Lecturer, University of Freiburg*
- WILLIAM STARK NEWELL, LL.D., (1951) Bath, Maine  
*Chairman of the Board, Bath Iron Works Corpn.*
- NEWTON LEROY NOURSE, B.S., (1952) Portland, Maine  
*Sales Manager, The Brown Company, New York*
- NATHAN RUSSELL PATTERSON, B.S., (1951) Tulsa, Okla.  
*President, Patterson Steel Company*  
*President, American Institute of Steel Construction*
- CARROLL NORMAN PERKINS, LL.B., (1951) Waterville, Maine  
*Lawyer, Perkins, Weeks & Hutchins*
- FREDERICK ALBERT POTTLE, Ph.D., Litt.D., (1950) New Haven, Conn.  
*Professor, Yale University*
- CHARLES FREDERICK TAFT SEAVERNS, A.M., LL.D., (1952) Hartford, Conn.  
*President and Director, Horace Bushnell Memorial*
- SUMNER SEWALL, LL.D., (1951) Bath, Maine  
*Former Governor, State of Maine*
- WINTHROP HIRAM SMITH, A.B., (1951) New York, N.Y.  
*Partner, Merrill Lynch, Pierce, Fenner & Beane*
- RAYMOND SPINNEY, A.B., (Al. 1952) Boston, Mass.  
*The Employers' Liability Assurance Corpn., Ltd.*
- RUSSELL MILLARD SQUIRE, B.S., (1952) Waterville, Maine  
*Merchant; Mayor of Waterville*

- REGINALD HOUGHTON STURTEVANT, A.B., (Al. 1952)  
*Banker* Livermore Falls, Maine
- HARRY ELLSWORTH UMPHREY, (Al. 1951) Presque Isle, Maine  
*President, Aroostook Potato Growers, Inc.*
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*Teacher* Portland, Maine

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- HONORARY DEGREES: Mr. Spinney, chairman; Miss Dunn and Mr. Mellon.
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- INVESTMENTS: Mr. Perkins, chairman; Messrs. Drummond and Johnson.
- LIBRARY: Mr. Pottle, chairman; Messrs. Gabrielson and Mellon and Miss Dunn.
- NOMINATIONS: Mr. Seaverns, chairman; Messrs. Drummond and Johnson.

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Residence, Lewiston, Maine

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Residence, 97 Western Avenue
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Residence, 32 Morrill Avenue

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Residence, Women's Union

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Residence, Roberts Union

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Residence, Roberts Union

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Head of Louise Coburn Hall, Bernetta Miller  
Residence, Louise Coburn Hall

Head of Foss Hall, Olive Maynard (Mrs.), A.B.  
Residence, Foss Hall

Head of Palmer House, Eva M. Kyes (Mrs.), A.B.  
Residence, Palmer House

Head of Dunn House, Mildred W. Russell (Mrs.)  
Residence, Dunn House

Head of Dutton and Mower Houses, Blanche H. Hescocock (Mrs.)  
Residence, Dutton House

Head of Roberts Hall and Head Proctor, Lower Campus, Alfred K.  
Chapman, A.M.  
Residence, Roberts Hall

Head of Hedman Hall, Harold Whitney Gullbergh, Ed.M.  
Residence, Hedman Hall

Head of Boardman Hall, Clifford J. Berschneider, A.M.  
Residence, Boardman Hall

Head of Small Hall, Ralph W. Hyde, A.B.  
Residence, Small Hall

House Mother, D.K.E. Fraternity, Florence A. Stevens, (Mrs.)  
Residence, D.K.E. House

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Residence, A.T.O. House

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Residence, Foss Hall

Assistant Dietitian, Marjory E. Locke, B.S.  
Residence, Roberts Union

Assistant Dietitian, Alice T. Moul, B.S.  
Residence, Roberts Union

Secretary, Glenda J. Ambrose  
Residence, 32 Pleasantdale Avenue

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Residence, 163 Silver Street

Consultant in Surgery, John F. Reynolds, M.D.  
Residence, 111 Silver Street

Head Nurse, Annie Dunn, R.N.  
Residence, Roberts Union

Nurse, Agnes Randall (Mrs.), R.N.  
Residence, 68½ Grove Street, Oakland

Nurse, Mary Lou Tempesta, (Mrs.)  
Residence, Veterans Apts.

Nurse, Marilyn Garland (Mrs.)  
Residence, Veterans Apts.

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Monday, June 13, 1949

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Sidney Burton McKeen	Rockport
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Joseph Lysander Putnam	Houlton
Archie James Rellas	Nashua, N.H.
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Robert Converse Rowell	Waterville
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Carleton Paul Stinchfield	Woburn, Mass.
Gerald Stoll	White Plains, N.Y.
Bertram Edward Stritch	Waterville
John Russell Stuart	Cranston, R.I.
Harold Joseph Thompson	Malden, Mass.
John Stewart Thurston	Corinna
Robert Morgan Tonge	Detroit, Mich.
Alfred Warren Tranten	Madison
Kenneth James Vigue	Waterville
Edward Andre Waller	Columbus, O.
Arthur Buxton Warren	Dover-Foxcroft
Leonard Robert Warshaver	Mattapan, Mass.
John Whiting Washington	Waterville
Richard Gregory Wattles	Bryn Mawr, Pa.
Gordon Wesley Watts	Waterville
Conrad Goodale White	Rockland
James Henry Wing	Gardiner
Charles Royce Woodman	Manchester
Chester Joseph Woods, Jr.	Waterville
Ivan Albert Yeaton, Jr.	Framingham, Mass.
John Alden Thompson, as of the Class of 1944,	Bemus Point, N.Y.

## WOMEN'S DIVISION

Joan Edith Abbott	Rockland
Georgina Alger	Middleboro, Mass.
Helen Charlotte Alpert	Revere, Mass.
Lesleigh June Amlaw	Lowell, Mass.
Evelyn Louise Armstrong	Jonesport
Nyddda Idella Barker	Houlton
Joan Koons Barnard	Buffalo, N.Y.
Beverly Joan Barnett	Portland
Donna Lee Barter	Deer Isle
Claramae Barlett	Portland
Elizabeth Mae Beamish	Pelham Manor, N.Y.
Beverly Jean Beauchamp	Denville, N.J.
Frances Julia Benner	Rockland, Mass.

Martha Anne Bennett	Middletown, Conn.
Ann Morrison Beveridge	Scarsdale, N.Y.
Jean Elizabeth Bonnell	Cold Spring Harbor, N.Y.
Mary Ellen Bonsall	Quincy, Mass.
Bette Ann Brandt	New York, N.Y.
Muriel Marden Briggs	Waterville
Alberta Jane Bunney	Brooklyn, N.Y.
Evangeline Helen Chumacas	Haverhill, Mass.
Mary Louise Clare	New London, Conn.
Ruth Eleanor Clements	Boston, Mass.
Alice Elizabeth Covell	Oneida, N.Y.
Cynthia Frances Crook	Durham, Conn.
Alice Crooks	Glen Ridge, N.J.
Tema Kaplan Cushner	Brookline, Mass.
Jean Desper	Worcester, Mass.
Miriam Hastings Dickinson	Lincoln, N.H.
Joan Angela Donnelly	Washington, D.C.
Constance Lee Drake	Caribou
Norma Egerton	Methuen, Mass.
Ruth Edith Endicott	Belgrade
Lucile Eloise Farnham	Belgrade
Hilda Katherine Farnum	Tenafly, N.J.
Shirley Ann Fellows	Peabody, Mass.
Antionietta Marie Fera	Lawrence, Mass.
Barbara Ann Foley	Winchester, Mass.
Audrey Fountain	Chatham, N.J.
Barbara June Fransen	Swampscott, Mass.
Margaret Jane Fratano	Bloomfield, N.J.
Mary Ellen Gardiner	Great Barrington, Mass.
Kathryn Elizabeth Garrick	Manhasset, N.Y.
Jean Louisa Gassett	Brockton, Mass.
Barbara May Grant	Leicester, Mass.
Anne Knowlton Hagar	Marshfield Hills, Mass.
Jeanne Morrison Hall	Waterbury, Vt.
Beverly Ann Hallberg	Orange, N.J.
Barbara Jeanne Hart	Cranston, R.I.
Hope Ruth Harvey	Middletown, Conn.
Mary Chilton Hathaway	Kingston, Mass.
Jean Charlotte Hillsen	Worcester, Mass.
Joan Hoagland	Southboro, Mass.
Georgiana Frances Hooker	Scarsdale, N.Y.
Anne Williams Houston	Edgewood, R.I.
Justine Helen Jackson	Methuen, Mass.
Martha Ann Jackson	Winchester, Mass.
Ann Jennings	Winchester, Mass.
Alice Elizabeth Jewell	Fairfield, Conn.
Alice Teresa Kable	Waterville

Ragnhild Fay Klafstad	Belmont, Mass.
Doris Lorraine Koshina	E. Port Chester, Conn.
Pauline Vitkauskas Kuzmeski	Northampton, Mass.
Marion LaCasce	Fryeburg
Louise Jessie Leavenworth	Waterbury, Conn.
Rae Frances Libby	Portland
Jeanne Littlefield	Fairfield
Roberta Longley	Waterville
Martha Wiley Loughman	Waban, Mass.
Patricia Ann Lydon	Charlestown, Mass.
Sally Palmer McCormack	Syracuse, N.Y.
Nellie Guptil Macdougall	Bingham
Jean Maloof	W. Roxbury, Mass.
Chana Mitchell Marker	Upper Montclair, N.J.
Shirley Irene Marshall	Waterville
Lois Merle Norwood	Warren
Frances Estelle Nourse	Portland
Elaine Frances Noyes	Augusta
Diane Palmer	Wellesley Hills, Mass.
Jeanne Frances Pelletier	Rockville Centre, N.Y.
Marilyn Miriam Perkins	Springfield, Mass.
Mary Marjorie Plaisted	Lincolnton
Janet Pride	Winchester, Mass.
Mary Louise Reed	Woolwich
Carolyn Louise Roberts	Brownville Junction
Mary-Louise Roberts	Providence, R.I.
Ann Rodney	Elmhurst, N.Y.
Alice Rose Rogers	Rockland
Joanne Smith Rogers	Waterville
Claire Lois Rosenston	Mattapan, Mass.
Janet Royal	No. Brookfield, Mass.
Patricia Gloria Sales	Swampscott, Mass.
Nancy Irene Semonian	Concord, Mass.
Jeannine Linda Shaw	W. Scarboro
Jean Wright Sheppard	Melrose, Mass.
Lois Marjorie Smith	Waterville
Marilyn Ann Soutter	Waterville
June Marilyn Stairs	Swampscott, Mass.
Barbara Kerr Starbuck	Scarsdale, N.Y.
Marguerite Agnes Thackeray	Ridlonville
Barbara Jane VanEvery	University Heights, O.
Haroldene Whitcomb	Scarsdale, N.Y.
June Doris White	Newton, Mass.
Mary Helen Wilson	Providence, R.I.
Virginia Alice Young	Salem, Mass.

## HONORS IN GENERAL SCHOLARSHIP

## CUM LAUDE

Georgina Alger  
 Arthur Blasberg, Jr.  
 Ruth Edith Endicott  
 Everett Joshua Felker, Jr.  
 June Marilyn Stairs

Barbara May Grant  
 Ivan Albert Yeaton, Jr.  
 Daniel Joseph Shanahan, Jr.  
 Nydda Idella Barker  
 Haroldene Whitcomb

## DISTINCTION IN COURSE

## IN BIOLOGY

Barbara Jane VanEvery  
 Claramae Bartlett

IN BUSINESS ADMINISTRATION  
 Gordon Wesley Watts

## IN CHEMISTRY

Fred Herbert Hammond, Jr.  
 Carleton Paul Stinchfield  
 George Irving Smith

## IN ENGLISH

Lucile Eloise Farnham

## IN HISTORY

Edward Rimpo  
 Horton William Emerson  
 John Stuart Thurston  
 Donald Eugene Nicoll

## IN MODERN LANGUAGES

Thomas Wordsworth Samuelsen  
 Barbara Jeanne Hart

## IN PSYCHOLOGY

Elaine Frances Noyes  
 Dwight Edmund Erlick

## IN SOCIOLOGY

Chana Mitchell Marker

## HONORARY DEGREES

## MASTER OF SCIENCE:

Curtis Marshall Hutchins, Bangor

## MASTER OF ARTS:

Alfred Gerald Capp, New York, N.Y.

## DOCTOR OF DIVINITY:

Clifford Hazeldine Osborne, Waterville

## DOCTOR OF LAWS:

Charles Franklin Phillips, Lewiston

## DOCTOR OF HUMANE LETTERS:

Ernest Delmore Jackman, Orono  
 Frederic Edgar Camp, New York, N.Y.  
 Paul Joseph Sachs, Cambridge, Massachusetts.  
 Harry Emerson Fosdick, New York, N.Y.

COLBY COLLEGE  
DEGREES AWARDED

OCTOBER 1, 1949

BACHELOR OF ARTS

MEN'S DIVISION

David Longfellow Evans	Cambridge, Mass.
Robert Frank Nardozzi	Mount Vernon, N.Y.
James Cooke Noice	Arlington, Mass.
Andrew Brewster Offenhiser	Wilkinsburg, Pa.
Thomas Wyman Pierce	Dover-Foxcroft
Charles Folsom Prunier	Old Orchard
Lorenzo Charles Rastelli	Waterbury, Conn.
Robert Sagansky	Brookline, Mass.
Fred Der Sahagian	Waterville
Karekin Der Sahagian	Waterville
William Croston Slemmer	Malden, Mass.

WOMEN'S DIVISION

Marguerite Inez Baker	Waterville
Doris Shirlee Rubin	Elizabeth, N.J.

# The Students

## MEN'S DIVISION

- Abbe, John R., 88 Cliff Road, Wellesley Hills, Massachusetts  
 Abramson, Mark L., 9 Vernon Place, Mt. Vernon, New York  
 Achorn, Homer D., Jr., 19 Page Street, Hallowell  
 Adair, Richard H., 995 Main Street, Hingham, Massachusetts  
 Adams, Herbert R., Purity Spring Farm, W. Scarborough  
 Adams, Wallace L., E. Millinocket  
 Alderman, Bernard D., 50 Raymond Street, Magnolia, Massachusetts  
 Aldrich, Paul M., 5 Eastern Avenue, Lincoln  
 Alex, John M., Star Route, Skowhegan  
 Alger, Walter E., 123 So. Main Street, Middleboro, Massachusetts  
 Allen, Fred E., 34-A School Street, Brunswick  
<sup>1</sup>Alloy, John A., 161 W. 71st Street, New York, New York  
 Alper, Jonathan A., 9537 Olympia Boulevard, Beverly Hills, California  
 Alpert, Hershel L., 16 Priscilla Street, New Bedford, Massachusetts  
 Amott, Jeremy J., 30 Beverly Road, Great Neck, New York  
 Andersen, Dana W., 177 North Street, Salem, Massachusetts  
 Anderson, Charles R., 14 Lafield Street, Dorchester, Massachusetts  
 Anderson, Robert T., 30 W. 56th Street, New York, New York  
 Anderson, Webster, 23 Bellevue Avenue, Cambridge, Massachusetts  
 Andrews, Malcolm E., 9 Park Street, Presque Isle  
 Andrews, Robert S., 100 Simonds Road, Lexington, Massachusetts  
<sup>1</sup>Antell, Russell A., 191½ Madison Street, Amesbury, Massachusetts  
 Appelbaum, Paul, 2714 Avenue M, Brooklyn, New York  
 Archibald, Robert E., 33 Crystal Avenue, Springfield, Massachusetts  
 Arey, Philip C., 107 Edgell Street, Gardner, Massachusetts  
 Armitage, Robert J., 388 Park Street, W. Roxbury, Massachusetts  
 Armknecht, Richard F., Quarters G, Naval Supply Depot, Clearfield, Ogden, Utah  
 Armstrong, David W., Jr., 64 Pinewood Road, Hartsdale, New York  
 Armstrong, George A., 9 Essex Street, Wakefield, Massachusetts  
 Ashbaugh, William H., 18 Greenacres Avenue, Scarsdale, New York  
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 Baer, Alan J., 11 Merion Road, Merion, Pennsylvania  
 Baggs, Richard E., Jr., 1502 Yerkes Street, Philadelphia, Pennsylvania  
 Bahrenburg, Bruce, 50 Washington Street, Keyport, New Jersey  
 Bailey, Philip H., 90 Depot Street, Livermore Falls  
 Bailey, Ralph E., Jr., 27 Warren Street, Needham, Massachusetts  
 Baker, Gerald D., 344 Russett Road, Brookline, Massachusetts  
 Baldwin, Harold L., 5 Cherry Street, Nashua, New Hampshire  
 Baldwin, Richard W., 19 William Street, Andover, Massachusetts

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 Barry, Jerome D., 98 Wright Avenue, Medford, Massachusetts  
 Barta, Richard J., 1262 Great Plain Avenue, Needham, Massachusetts  
 Barteaux, Robert A., 13 High Street, Waterville  
 Basseches, Mark T., 65 Church Lane, Scarsdale, New York  
 Bates, Newton V., 18 Lafayette Street, Calais  
 Baum, John A., 65 Margaret Avenue, Lawrence, New York  
<sup>1</sup>Bazer, George E., 7 Wave Avenue, Revere, Massachusetts  
 Beal, Richard B., Righters Mill Road, Ardmore, Pennsylvania  
 Bean, Clifford A., 25 Cherry Street, Danvers, Massachusetts  
 Beatson, John A., 9 Elm Road, Scarsdale, New York  
 Beaupre, Cecil A., 36 Washburn Street, Caribou  
 Beckwith, Alfred C., 48 Carver Boulevard, S. Portland  
 Bell, Craig T., 6 Quincy Park, Beverly, Massachusetts  
 Belyea, Robert W., 15 Teague Street, Caribou  
 Benfari, Robert C., 30-21 84th Street, Jackson Heights, New York  
 Benson, Howard E., R.F.D. 1, Oakland  
 Berkley, Stephen I., 8831 74th Avenue, Glendale, New York  
 Bernard, James E., 268 Westbrook Street, S. Portland  
 Bernier, Albert L., 7 Elmwood Avenue, Waterville  
 Bersani, Quintilio, Jr., Box 285, Welch Street, Norridgewock  
 Beveridge, John N., 167 Putnam Street, Quincy, Massachusetts  
 Bibula, Seymour, 540 Ocean Avenue, Brooklyn, New York  
 Bies, Philip J., 74 Front Street, Waterville  
<sup>2</sup>Billings, Eugene V., 3 Bean Street, Madison  
 Billington, Raymond J., 1252 Globe Street, Fall River, Massachusetts  
 Birch, Richard B., 80 Hillcrest Road, Belmont, Massachusetts  
 Bittar, E. Edward, King George Avenue, Jaffa, Palestine  
 Blackman, Alan R., 140 Freeman Parkway, Providence, Rhode Island  
 Blake, Frederick O., Guilford  
 Blance, George C., Jr., Winter Harbor  
 Blondin, Francis N., 400 Cowell Street, Manchester, New Hampshire  
 Bloomfield, Clayton F., Boulevard, Newport, Rhode Island  
 Bonner, Robert B., Jr., 68 Waverley Avenue, Newton, Massachusetts  
 Borah, Richard T., 186 8th Street, Providence, Rhode Island  
 Bourgon, Henry R., 7 Thomas Street, Bucksport  
 Bowen, Richard J., 731 Huntingdon Avenue, Waterbury, Connecticut  
 Bowers, George N., 38 Nesbit Avenue, W. Hartford, Connecticut  
 Bowers, Richard M., 38 Nesbit Avenue, W. Hartford, Connecticut  
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 Brackett, Raymond F., R.F.D. 3, Gorham  
 Bradford, James A., 20 Diman Place, Providence, Rhode Island  
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 Bridges, Henry J., 838 Congress Street, Portland  
 Briggs, John A., 1604 Guilford Road, Columbus, Ohio  
 Brigham, Chester A., 37A East Street, Melrose, Massachusetts  
 Brigham, Robert L., 37A East Street, Melrose, Massachusetts  
 Brotherlin, Robert H., 1224 N. Harrison Avenue, Litchfield, Illinois  
 Brown, Ormonde L., R.F.D. 1, Vassalboro  
 Brown, Russell, 161 Emerson Place, Brooklyn, New York  
 Brown, Samuel G., 3205 Herschel Street, Jacksonville, Florida  
 Brown, Theodore L., R.F.D. 5, Portland  
 Brownell, Robert P., 68 Brown Street, Providence, Rhode Island  
 Bruckheimer, Foster, 3 Gorham Court, Scarsdale, New York  
 Bruehl, Martin A., 225 5th Avenue, Huntington Station, New York  
 Bryant, Joseph S., 47 Nichol Street, S. Paris  
 Bryant, Vivian M., Jr., E. Wilton  
 Burgess, Hugh F., Jr., 1290 Commerical Street, E. Weymouth, Massachusetts  
 Burgess, William T., 198 Main Street, Dexter  
<sup>1</sup>Burkhart, Robert C., 212 Darragh Street, Pittsburgh, Pennsylvania  
 Burnham, Francis H., 16 E. Dunstable Road, Nashua, New Hampshire  
 Butler, John H., 43 Southfield Avenue, Stamford, Connecticut  
 Cannell, Robert E., 110 Waverly Street, Everett, Massachusetts  
 Carey, E. Richard, 1 Carey Lane, Waterville  
 Carey, John T., 22 Lovell Road, Watertown, Massachusetts  
 Carpenter, Ernest L., 497 Morris Avenue, Providence, Rhode Island  
 Carr, Robert A., 2 Wilson Park, Waterville  
 Carswell, Bruce, 31 Brite Avenue, Scarsdale, New York  
 Carter, William H., 11 Tower Street, Needham, Massachusetts  
 Cartier, Urbain G., 53 Pike Street, Biddeford  
 Case, Albert R., 74 Green Street, Vergennes, Vermont  
 Cassens, David L., West Meadow Road, Rockland  
 Castelli, Rudolph E., 218 Palmer Avenue, Teaneck, New Jersey  
 Castleman, Philip, 185 Winthrop Road, Brookline, Massachusetts  
 Castonguay, A. Kenneth, 47½ Bay Street, Waterville  
 Cawley, Edward J., 330 Nesmith Street, Lowell, Massachusetts  
 Chahbazi, Parviz, 27 Namazi Street, Iranshah Avenue, Teheran, Iran  
 Chaloult, Douglas P., 17 Coolidge Avenue, Caribou  
 Chamberlin, Richard T., 23 Prospect Street, Waterville  
 Chambers, George J., 30 Somerset Street, Belmont, Massachusetts  
<sup>1</sup>Chandler, Hugh S., 170 Clinton Place, Hackensack, New Jersey  
 Choate, S. Foster, Route 3, Waterville  
 Christie, James P., 18 Pasho Street, Andover, Massachusetts  
 Christopher, Paul F., Jr., 7 Buswell Street, Boston, Massachusetts  
<sup>1</sup>Clark, George E., Jr., 28 Governors Road, Milton, Massachusetts  
 Clark, William C., 14 Orange Street, Abington, Massachusetts  
 Clark, Winston E., Unity  
 Collar, Neil W., 126 Alpine Street, Oakland

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- Collins, George M., Jr., 38 Maple Avenue, Andover, Massachusetts  
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 Conaway, James B., 37 Herkimer Street, Brooklyn, New York  
 Coney, Peter J., 4 Elm Street, N. Berwick  
 Cooke, Robert A., 65 Beechmont Street, Worcester, Massachusetts  
 Corell, Vernon, Jr., 980 Post Road, Scarsdale, New York  
 Cote, Paul A., 282 Pine Street, Lewiston  
 Crawford, John P., Box 328, Sackville, New Brunswick, Canada  
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 Crocket, David S., 96 Warrenton Avenue, Hartford, Connecticut  
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 Crook, Norman B., 227 Newman Avenue, Rumford, Rhode Island  
 Crosby, Warren D., 25 Court Street, Augusta  
 Crossman, Thomas J., 4 Maple Terrace, Needham, Massachusetts  
 Crummett, Richard M., R.F.D. 2, Waterville  
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- Currier, Thomas C., 21 Colby Road, Braintree, Massachusetts  
 Curtis, Charles P., 315 W. Corrington Avenue, Peoria, Illinois  
 Curtis, Judson B., 36 Oneida Road, Winchester, Massachusetts  
 Cushman, William F., Jr., 44 Summit Avenue, White Plains, New York  
 Daggett, Robert B., 2 Lawrence Street, Waterville  
 Davis, Alan G., 143 Hawkes Street, Westbrook  
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<sup>1</sup>Davis, Thomas P., North Street, Ellsworth  
 Dean, Perley M., Easton  
 Deane, Austin M., Guilford  
 Deeb, George, 16 Allen Road, Waterville  
 deLuna, George C., 154 Hampton Road, Garden City, New York  
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- Dine, Philip P., 123 Freeman Street, Brookline, Massachusetts  
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<sup>1</sup>Dobson, David A., 21 Holton Street, Lawrence, Massachusetts  
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 Donahue, Robert N., 26 Stanley Street, So. Portland  
 Donovan, David S., 157 Armory Street, Hamden, Connecticut  
 Doughty, James F., 134 Neal Street, Portland  
 Douglas, Stuart D., 127 Myrtle Avenue, Millburn, New Jersey  
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- Dwyer, Gary B., N. Main Street, Northbridge, Massachusetts  
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 Fales, Henry H., Jr., 26 Barberry Hill, Providence, Rhode Island  
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 Flanagan, Paul W., 84 Shirley Street, Quincy, Massachusetts  
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 Fox, Sumner A., 24 Strathmore Road, Brookline, Massachusetts  
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 Gavel, Frank J. Roxbury, Connecticut  
 Genest, Emile L., 77 Western Avenue, Waterville

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 Grandberg, Harold B., 22 W. Boulevard Road, Newton Centre, Massachusetts  
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 Grant, Richard W., 29 Roger Park Avenue, Brighton, Massachusetts  
 Gray, Henry W., Jr., 16 Crystal Street, Wakefield, Massachusetts  
 Gray, Kenneth W., 89 Winthrop Street, Hallowell  
 Greenlaw, Charles A., 31 W. 31st Street, Bayonne, New Jersey  
 Gregoire, George W., 144 Northern Avenue, Augusta  
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 Gross, Everett F., 31 Wyatt Road, Garden City, New York  
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Harvey, David W. H., 5 Ferncliff Road, Scarsdale, New York  
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Hayes, Walter P., 150 Bridge Street, Beverly, Massachusetts  
Hays, William W., 13 Bartlett Street, Waterville  
Hennig, William W., 54 Sunset Drive, Hempstead, New York  
Heubisch, William H., Jr., 12 Ferrante Avenue, Greenfield, Massachusetts  
Hexamer, Hugh D., 163 E. Delavan Avenue, Buffalo, New York  
Heywood, Philip C., 40 Massachusetts Avenue, Worcester, Massachusetts  
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Hill, Kevin, 50 Burleigh Street, Waterville  
Hinson, Jay B., 81 Ridge Road, Hartsdale, New York  
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Hobart, George R., 39 Armory Street, Quincy, Massachusetts  
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Jabar, John P., 12 Head of Falls, Waterville  
Jabar, Norman D., 12 Head of Falls, Waterville  
Jabar, Paul J., 12 Head of Falls, Waterville  
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