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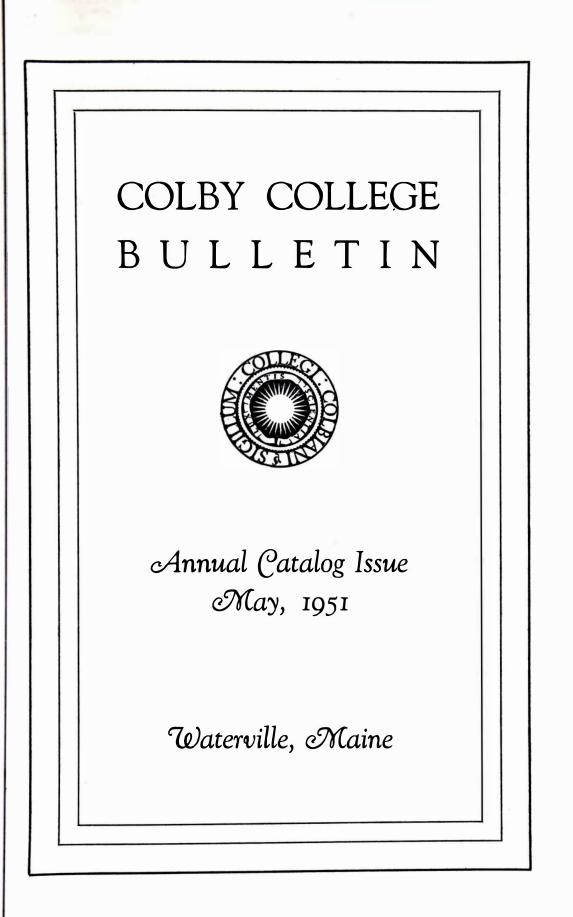
Colby College

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

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

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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 CAMPUS FACILITIES ADMISSION GRADUATION REQUIREMENTS REGISTRATION ACADEMIC STANDING SUMMER SCHOOL FINANCES

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: 140,000 volumes

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

Location: Waterville, Kennebec County, Maine.

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

COLBY COLLEGE

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.

Instruction at Colby is organized in four 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.

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 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 and its several divisions 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. The Deans of Men and of Women also devote much time to personal guidance.

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.

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, including rare books and manuscripts, contains more than 140,000 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.

CAMPUS FACILITIES

Colby College has nearly completed its removal from the original site in the heart of Waterville to a functionally planned new plant on a six-hundred acre hilltop, two miles into the country from the old location.

The move to the new campus has been gradual. Between the winter of 1947 and the autumn of 1950, only about half of the student housing and two-thirds of the academic work could be accommodated on the new campus. With the opening of the million-dollar Keyes Science Building in the fall of 1950, all the classes except those in Biology were held on Mayflower Hill, historic name of the new campus site. In September, 1951, Biology also will move to the Hill, occupying a spacious new building for the life sciences.

As this catalog goes to press, it is expected that in 1951–52 the entire student body can be housed in dormitories already in use or now under construction on the new campus, and that temporary use of a few housing units on the old campus can be discontinued.

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 will go and what its general structure will be.

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 upperclass 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 six of these have already been constructed.

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 women's dormitories 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 staff 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. This building houses the departments of Chemistry, Physics, and Psychology. The Biology Building, housing the departments of Biology and Geology, will be opened in 1951.

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 furnishngs of the spacious living room are the gift of Mr. and Mrs. Milroy Warren of Lubec, Maine, both members of the Class of 1914.

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 rightangled turn across the point of the post office triangle, and enters Center 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, 1951 to August, 1952 are as follows:

> Saturday, May 19, 1951 Wednesday, August 15, 1951

> Saturday, December 1, 1951 Saturday, January 12, 1952 Saturday, March 15, 1952 Saturday, May 17, 1952 Wednesday, August 13, 1952

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

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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, and finances.

BY TRANSFER

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

- 1. Make arrangements to take the College Transfer Test, given by the College Entrance Examination Board at centers throughout the nation on the same dates as the Board's regular admission tests.
- 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.

20

QUALITY

A total of 26 quality points. For each half-course (or semester course) a mark of A entitles the student to three quality points, a mark of B to two quality points, and a mark of C to one quality point. No quality points are given for marks of D, E, or F.

- DISTRIBUTION
- 1. English Composition (English 101, 102) in the freshman year.

Any student whose average in English 101, 102 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 205, 206) and must pass this course as a requirement for graduation.

- 2. Literature (English 201, 202) 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 121, 122; History 121, 122; Social Science 101, 102; Religion 121, 122; 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.

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- (b) Successful completion of any year-course numbered above 101, 102 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 261, 262) 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:

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

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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 yearcourse is one which has no finally recorded mark until the

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end of the year and no credit until the final mark is recorded. The tentative mark, showing the student's progress in a yearcourse 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 and the consent of the instructors thereof, the College permits adult persons to enroll as special students to take not more than three courses. Such persons must present evidence that they are qualified to pursue the intended courses, and they must pay the regular per-course tuition fee. They are not required to pay the Student Activities Fee.

ACADEMIC STANDING

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

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.

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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 yearcourse 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, and was passing when dropped.

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

The letter "R" is used together with an appropriate mark when a student has repeated a course, and in such a case there can be no credit in terms of semester hours. Whenever a student's academic record shows serious deficiency, the question of a student's retention or dismissal is decided by the Committee on Standing, in which the faculty has vested complete power to deal with such cases.

HONORS

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

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

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

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

PARTIAL CREDITS

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

1. Withdrawal before the end of the fifth week of the semester, no credit.

2. Withdrawal between the end of the fifth week and the official date of mid-semester, credit of one semester course, provided the student is passing in five courses; otherwise no credit.

3. Withdrawal between mid-semester and the end of the fourth week preceding the last day of classes, two semester courses if the student is passing in five courses; one semester course if passing in four courses only; otherwise no credit.

4. Withdrawal between the end of the fourth week preceding the last day of classes and the last day of classes itself, three semester courses if the student is passing in five courses; two semester courses if passing in four courses only; one semester course if passing in three courses only; otherwise no credit.

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

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 1950 the medal was awarded to Kenneth Jacobson, '50.

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 1950 the award for the Men's Division was divided equally between George David Pirie, '53, and Peter Lawrence Salmon, '53; the prize for the Women's Division was awarded to Loretta Carroll Mearns, '53.

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

In 1950 this scholarship was awarded to Patricia Ann Blake, '51.

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

In 1950 this award was made to Helen Harper Palen, '51.

BUSINESS ADMINISTRATION

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

In 1950 this prize was divided equally between Richard Thomas Borah, '50, and Robert Averal Rosenthal, '50.

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 1950 awards in Latin to Alice Mary Colby, '53, and Theodore Elliot Johnson, '53.

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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 1950 no award was made.

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 1950 no award was made.

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 1950 this prize was awarded to Albert Laurier Bernier, '50.

History

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

In 1950 the first prize was awarded to Allen Gardner Pease, '50; the second prize to Charlotte Bunting Stern, '50.

Modern Languages

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

In 1950 the first prize was awarded to Lillian Meyer, '50; the second to Jane Louise Merrill, '50.

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 1950, the first prizes were awarded to Richard Frederick Armknecht, Jr., '50, and Margaret Joan Blagys, '52; second prizes to Paul Ellis White, '53, and Ruth Virginia Smart, '51.

DELTA PHI ALPHA GERMAN PRIZE. Awarded in 1950 to Robert John Armitage, Jr., '50

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 1950 this prize was awarded to Estella Martha Byther, '50.

SYMPHONY ORCHESTRA AWARDS. Two prizes offered by the Colby Community Symphonic Society to seniors who have been members of the Symphony Orchestra during their college career and have shown unusual interest and improvement.

In 1950 the first prize was awarded to Eleanor Lloyd Runkle, '50; the second prize to June Rose Mary Jensen, '50.

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 1950 the first prize was awarded to Hugh Darwin Hexamer, '53; second to Sidney Dwight Perham, '53; third to Harland Horace Eastman, II, '51.

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 1950 first prize winners were Robert Edward Grindle, '53, and Anne Chadwick, '53; second prize winners were Paul Arthur Wescott, '53, and Sarah Evelyn Packard, '53.

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 1950 the first prize was awarded Donald Cameron Silverman, '51; second to Stanley Foster Choate, '50; third to Joseph Henry Unobskey, '52; fourth to Evelyn Edward Bittar, '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 1950 the first prize was awarded to Joseph Perham of the Lewiston (Maine) High School; second to John Murphy, Jr. of Central Catholic High School, Lawrence, Massachusetts; third to Donald Taylor of Rockland (Maine) High School; fourth to Harold Sullivan of John Bapst High School, Bangor, Maine; fifth to John Vanes of Laconia (New Hampshire) High 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 1950 first prize was awarded to Hugh Darwin Hexamer, '53; second prize to Mildred Jeanine Fenwick, '50; third prize to Paul Briggs Kilmister, '51; fourth prize to Barbette Blackington, '53.

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

In 1950 these awards were made to Patricia Erskine, '52, Sybil R. Green, '50, A. Eugene Jellison, '51, Kenneth Jacobson, '50, Ruth H. Stetson, '50.

Sciences

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

In 1950 this prize was awarded to Ruth Adams Flagg, '53.

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 1950 Nancy Alice MacDonald, '52, received the mathematics award; Alan Hauer Stoney, '50, the physics award.

Sociology

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

In 1950 this prize was awarded to Barbara Hill, '50.

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 1950 the first prize was awarded to Barbara Hill, '50; second to Pauline Berry Rowell, '50; third to Gloria Selma Lucille Gordon, '50.

ATTENDANCE

The Faculty has established the following attendance rules:

- 1. Students are expected to be regular in class attendance, and absences from classes are regarded as unfulfilled obligations. Each student is allowed at least two unexcused absences from each course in any semester. The maximum number allowed, if any beyond two, is determined for each course by the individual instructor.
- 2. Excuses for absences must be made to and secured from the Dean of Men or the Dean of Women, who may grant excuses for the following reasons only:

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

No excuses may be obtained from instructors.

- 3. Each instructor shall explain at the first meeting of every semester what constitutes unsatisfactory attendance in that class, and this shall be made a matter of record at the Recorder's Office.
- 4. Any student whose attendance is unsatisfactory according to section 3 shall be warned by the Dean. Upon receipt of a second warning in *one* course in *one* semester the student shall be dropped from that course with a mark of "F." No warning shall be issued unless the excessive absence is reported to the Dean within 72 hours of its occurrence.
- 5. In order that a student may have fair notice, the Dean shall not issue more than one warning in any one course under section 4 to the same student for absence in any seven-day period regardless of the number of reports received from instructors during that period. Warnings under section 6, however, shall be issued regardless of the interval of time since any previous warning.
- 6. Any student absent without excuse from the last meeting of any class before a vacation or the first meeting of any class after a vacation shall receive a warning for each such class absence. The word vacation is interpreted to mean the Thanksgiving recess, the Christmas recess, the spring recess, and the period between the last classes of the first semester and the first classes of the second semester, but not single holidays such as Armistice Day or Memorial Day.
- 7. A student shall be suspended from college for the balance of the semester and shall receive no credit for the semester's work under the following conditions:
 - (a) Failure in two courses in one semester for unsatisfactory attendance as defined in section 4.
 - (b) Two absences in each of two courses in one semester under section 6.

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(c) Failure in one course in one semester under section 4, and two absences in one course in the same semester under section 6.

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 insturctor, 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

Because July 21, 1951 is the final date on which a veteran of World War II may initiate a program of study under the educational benefits of Public Law 346, no veterans may enter Colby for their first use of such benefits after that date. Since it is expected, however, that veterans of the Korean campaign, and perhaps others more recently inducted into service, may eventually be granted benefits, it is well for prospective students to know that Colby College is fully accredited by Veterans Administration. The Dean of the Faculty is Coordinator of Veterans' Affairs, and communications concerning details of a veteran's enrollment should be addressed to him.

COLBY-SWARTHMORE

SUMMER SCHOOL OF LANGUAGES

Colby-Swarthmore is a project sponsored by 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 is organized especially for the training of the capable and ambitious young man or woman who is looking forward to graduate or foreign study, positions or travel in foreign lands, translation work, foreign language teaching, or government service.

The fourth session of Colby-Swarthmore opens on Colby's Mayflower Hill campus on June 21 and closes on August 7, 1951. The fifth session is expected to be held between corresponding dates in the summer of 1952. 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 wide experience and interest in teaching American students. They are chosen not only for their scholarly attainments but for their personalities and their ability to 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 leisuretime activities such as sports, group singing, folk dancing, and various excursions. Instruction is given in small classes so that each student can participate constantly in the classroom exercises and can receive frequent and individual attention. Mechanical aids, such as 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 1951-1952

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

Item	Amount	Payable
Tuition, 5-course program	\$275.00	Before registration
Room, dormitory	100.00	Semester Bill*
[†] Board, College dining hall	200.00	\$50 payable before registration, balance
		on Semester Bill.*
	\$575.00	

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

[†]In view of uncertainty regarding the trend of food costs, the College reserves the right to change the charge for Board on thirty days notice.

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

\$275.00 a semester payable prior to the opening of each semester. The Semester per course charge is \$55.00.

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 ro year. The Student Activities Fee for 1951–52 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 \$55 per semester is charged; when either shorthand or typewriting is elected singly the semester charge is \$27.50.

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 \$55 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 \$55 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

To students entering the Armed Services before the end of a semester, a pro-rata refund of tuition, room rent, board and fees will be made.

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	refunded
Between two and four weeks	
After four weeks	

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.

SUMMER TERM

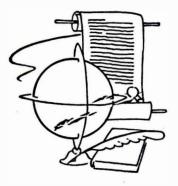
In 1951 the College will operate a summer term of twelve weeks, divided into two sessions of six weeks each. Students may enroll for either or both sessions. Each course completed in each session covers a full semester's work in that subject. By taking two courses in one session and three in the other session, a student can secure credit for the equivalent of a full semester's program of five courses.

First Session — June 25 to August 4

Second Session — August 6 to September 15

Summer term courses are open to students already enrolled in Colby College, to admitted freshmen who wish to begin college studies in the summer rather than wait until fall, to students of other colleges who desire summer courses in the cool climate of Maine, and to any interested adults.

For particulars inquire of the Dean of the Faculty, who is Director of the Summer Term.



LANGUAGES, LITERATURES, AND ARTS SOCIAL SCIENCES SCIENCES HEALTH AND PHYSICAL EDUCATION

Curriculum 1951-1952

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

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

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

NUMBERING SYSTEM

Each course is designated by a number with three digits. The *first* digit indicates the classes to which a course is open:

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

The second digit indicates whether the course is a yearcourse or otherwise:

0 — either semester of a year-course

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

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

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

odd number — first semester course

even number — second semester course

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

The letter "e" after a number indicates an "E" course.

A year-course (one with zero as its second digit) extends throughout the college year, and may not be dropped at 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 that time. The end-of-the-year mark is the only finally recorded mark for the course, and no credit is given until that mark is recorded.

Two closely related semester courses (those with an even number as the second digit) are so constructed that the second may not be taken without completion of the first, except by special permission of the department offering the courses. A mark of E, at the discretion of a department, may be given for the first of two related semester courses, provided the course is so designated under the course description in the current catalog. A mark of E designates a mark from 50 to 59, and indicates that the deficiency may be made up by satisfactory completion of the second of the two related courses in the immediately following semester.

[] Brackets indicate that the course will not be offered in 1951–52.

* An asterisk indicates that the course will not be offered in 1952–53.

† A dagger indicates that the course will probably be offered in 1952–53.

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

Schedule of hours and rooms, for courses listed in this section of the catalog, will be available at the Recorder's office in May, 1951.

DIVISION OF LANGUAGES, LITERATURES, AND ARTS

Chairman: Professor Ermanno Comparetti

BIBLIOGRAPHY

Professor Humphry and Assistant Professor Libbey

312. BIBLIOGRAPHICAL MATERIALS AND MAKING OF BOOKS

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

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

CLASSICS

Mr. Bliss

A major in Classics, rather than separately in Latin or Greek, can be met by three years of Latin above 103, 104 and three years of Greek.

GREEK

Major requirements: four year-courses or eight semesters in Greek; History 261, 262; special work with the department during the Junior and Senior years to include a general study of the field of Classical Philology and, during the last year, intensive study of a single author with a separate examination in the same.

101, 102. ELEMENTARY GREEK

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

Prerequisite: none

103, 104. PLATO AND HOMER

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

Prerequisite: Greek 101, 102 or its equivalent

[221, 222. HERODOTUS AND ARISTOTLE]

Herodotus, Book II; Aristotle, Nicomachaean Ethics, Books I, II, VI, and X. Prerequisite: Greek 103, 104

[223, 224. NEW TESTAMENT GREEK]

Intensive study of Mark; selections from Matthew and Luke. Prerequisite: Greek 103, 104

LATIN

Major requirements: four year-courses or eight semesters in Latin above the level of Latin 103, 104; History 261, 262; special work with the department during the Junior and Senior years to include a general study of the field of Classical Philology and, during the last year, intensive study of a single author with a separate examination in the same.

101, 102. 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

103, 104. VERGIL AND OTHER AUGUSTAN POETS

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

Prerequisites: Latin 101, 102 or its equivalent; students offering three or more years of high school Latin will take Latin 105, 106.

105, 106. SURVEY OF LATIN POETRY

Selected plays of Plautus and Terence in the first semester, including a study of the transfer of Greek culture to Rome; historical survey of the non-dramatic poets from Naevius to the medieval hymnologists in the second semester.

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

[118. LANGUAGE AND ITS GROWTH]

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

Prerequisite: none

[211. CICERO AND HIS CONTEMPORARIES]

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

Prerequisite: Latin 105, 106 or its equivalent

[212. HORACE]

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

Prerequisite: Latin 105, 106 or its equivalent

213. CICERO'S PHILOSOPHICAL WORKS

Cicero's De Finibus with selections from the De Officiis. Prerequisite: Latin 105, 106

214. LUCRETIUS

The De Rerum Natura. Prerequisite: Latin 105, 106

[215. 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 105, 106

[216. SUETONIUS AND MARTIAL]

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

Prerequisite: Latin 105, 106

[217. CATULLUS, TIBULLUS AND PROPERTIUS]

Prerequisite: Latin 105, 106

[218. TACITUS]

The first six books of the Annals.

[251. LATIN LITERATURE IN TRANSLATION]

Roman writers from Plautus to Quintilian; lectures on the history of Latin literature, and on special aspects of the relationship of that literature to the cultural history of Rome. Prerequisite: sophomore standing, at least

311. TEACHING OF LATIN

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

Prerequisite: Latin 103, 104

ENGLISH

Acting Head of the Department, 1951–52, Associate Professor Chapman

Professors Weber* and Norwood; Associate Professors Rollins and Chapman; Assistant Professor Alice Comparetti; Mrs. Doris Smith; Messrs. Michaels, Benbow, Horton and Cornelius.

* On leave of absence, 1951-52

Requirements for majoring in English are: in the sophomore year, English 203, 204 and History 241, 242; in the junior year, English 321, 322, or 323, 324, or 325, 326, or 341, 432, and one other English course; in the senior year, English 401, 402 and 403, 404. Attention is invited to the major in American Civilization (see page 68).

101, 102. ENGLISH COMPOSITION

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

121, 122. PUBLIC SPEAKING

Training in orderly thinking and in methods of oral delivery in various types of public speaking. Conferences to correct individual problems.

Prerequisite: none

Mr. Horton

201, 202. 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 203, 204. Prerequisite: English 101, 102 Mrs. Comparetti and Staff

203, 204. 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 101, 102

Mr. Chapman

205, 206. SOPHOMORE COMPOSITION

A course of further practice in writing, *required* of students who pass English 101, 102 without attaining a mark of at least "C."

207, 208. JOURNALISM

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

Prerequisite: English 101, 102

Mr. Michaels

261, 262. DRAMATIC ART

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

Prerequisite: English 101, 102 Mr. Rollins

321, 322. SWIFT, POPE, JOHNSON AND THEIR CONTEMPORARIES

English literature in the 18th century — the "neo-classical" period.

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

† [323, 324. FROM BROWNING TO HARDY]

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

Prerequisite: English 201, 202 or 203, 204

325, 326. MAJOR AMERICAN AUTHORS

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

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

327, 328. CONTEMPORARY LITERATURE

English and American literature of our own time.

Prerequisite: English 201, 202 or 203, 204 and one other English course Mr. Chapman

341, 342. CHAUCER AND MILTON

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

Prerequisite: English 201, 202 or 203, 204 Miss Norwood

361, 362. THE DRAMA IN ENGLISH

The drama as a literary type. First semester, from Shakespeare's predecessors to Sheridan; second semester, from Ibsen to the present.

Prerequisite: English 201, 202 or 203, 204 Mr. Rollins

363, 364. THE ENGLISH NOVEL

Historical survey of the novel as a literary type. First semester, the eighteenth century novel; second semester, the nineteenth century novel.

Prerequisite: English 201, 202 or 203, 204 Mr. Chapman

381, 382. ADVANCED COMPOSITION

Practice under guidance for students especially interested in writing.

Prerequisite: English 201, 202 or 203, 204 Mr. Horton

401, 402. SHAKESPEARE

A careful study of the work of the great dramatist.

Prerequisite: English 201, 202 or 203, 204. Required of seniors majoring in English. Miss Norwood

403, 404. 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. Benbow

411. 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 201, 202 or 203, 204 Mrs. Smith

412. 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 201, 202 or 203, 204 Mrs. Smith

FINE ARTS AND MUSIC

Associate Professors Comparetti and Carpenter

ART

Major requirements: four courses in art (including Art 121, 122) and one advanced course in European history.

101, 102. 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.

Written reports and some studio exercises. Prerequisite: none

121, 122. 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

† [211. ART OF THE RENAISSANCE]

Painting and sculpture of the fifteenth and sixteenth centuries in Italy and North Europe with an emphasis on the major artists.

Prerequisite: Art 101, 102

† [212. BAROQUE ART]

Painting and sculpture of the seventeenth and eighteenth centuries with an emphasis on the major artists.

Prerequisite: Art 101, 102

* 213. MODERN ART

In this course special attention will be given to French painting of the nineteenth century. In the twentieth century architecture, painting and sculpture will be studied.

Prerequisite: Art 101, 102

*234. THE GRAPHIC ARTS

A study of the drawings and prints (engravings, etchings, woodcuts, etc.) of the leading masters of European Art.

Prerequisite: Art 101, 102

321, 322. STUDIO WORK

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

Prerequisite: Art 101, 102, 121, 122, special permission

MUSIC

Major requirements: eight semester courses in Music including Music 111, 112, 211, 212; History 121, 122 and either French 103, 104 or German 103, 104. Students planning graduate work in musicology are advised to elect both languages. Credit in applied music may count toward the major requirement. Some of the courses listed below may not be given in 1951-52. Consult Dr. Comparetti.

101, 102. HISTORY AND APPRECIATION OF MUSIC

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

Prerequisite: none

111. THEORY AND PRACTICE OF MUSIC

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

Limited to ten students.

Prerequisite: none

112. HARMONY

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

Prerequisite: Music 111 or equivalent

211. COUNTERPOINT

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

Prerequisite: Music 111, 112

212. 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 111, 112 and permission of instructor

301, 302. THE VIENNESE CLASSICISTS

Emphasis on the instrumental works of Haydn, Mozart, Beethoven and Schubert. Study of forms and reading of scores. Prerequisite: Music 101, 102, 111, 112

305, 306. OPERA AND ORATORIO

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

Prerequisite: Music 101, 102, 111, 112

60

APPLIED MUSIC

One hour a week of private instruction in *one* of the following instruments — piano, organ, violin, viola, violoncello, bass viol — is available at additional cost. Students of piano and organ are required to practice a minimum of seven hours each week. Students of stringed instruments are required to practice at least five hours each week and to participate in the Symphony Orchestra. There is no credit for the freshman year. Thereafter one semester course credit for each three semesters can be applied toward requirements for the college degree.

Similar credit is granted for participation in choral group under college instruction.

The College offers opportunities for private instruction in piano, organ, stringed instruments and voice. Students desiring private instruction in piano are referred to Mr. Comparetti; in organ to an instructor to be named; in voice to Mrs. Edward J. Colgan, 11 Gilman Street; and in stringed instruments to Mr. Walter Habenicht and Mr. Max Cimbolleck.

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

MODERN LANGUAGES

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

FRENCH

Major requirements: French 105, 106; 201, 202 or 221, 222; 341, 342 or 343, 344; 441, 442; German 225, 226; History 121, 122 or 223, 224 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 201, 202 or 411, 414 among his elections.

414 among his elections. NOTE: In French 101, 102, 103, 104, 105, 106 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.

* On leave of absence, 1951-52.

101, 102. ELEMENTARY FRENCH

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

Prerequisite: none

103, 104. INTERMEDIATE FRENCH

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

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

105, 106. 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 103, 104 or three years of high school French

201, 202. 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 105, 106 Mr. Kellenberger

221, 222. 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 103, 104 with mark of A or B, or French 105, 106 Mr. Smith

* 341, 342. 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 201, 202 or 221, 222 Mr. Smith

† [343, 344. 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 201, 202 or 221, 222

[345, 346. 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 201, 202 or 221, 222

411. 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 201, 202 Mr. Strong

414. 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 201, 202 or 221, 222 or Spanish 221, 222 Mr. Strong

441, 442. COMPREHENSIVE SURVEY OF FRENCH LITERATURE

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

Prerequisite: French 201, 202 or 221, 222 Mr. Strong

461, 462. FRENCH SEMINAR

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

Prerequisite: French 441, 442 Mr. Strong and Staff

GERMAN

Major requirements: German 105, 106 or 107, 108; 343, 344 or 345, 346 or 461, 462; 421, 422 or 441, 442; 225, 226; History 121, 122 or 223, 224; and two years of French or Spanish (if the student has not already had the equivalent in high school).

or Spanish (if the student has not already had the equivalent in high school). NoTE: In German 101, 102, 103, 104, 105, 106, 107, 108 students are allocated on the basis of their achievement in German as indicated by placement tests, and their general ability and promise to do satisfactory work as indicated by their previous record in school or college.

101, 102. ELEMENTARY GERMAN

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

Prerequisite: none

103, 104. INTERMEDIATE GERMAN

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

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

105, 106. 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 103, 104 or three years of high school German Mr. McCoy

[107, 108. 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 103, 104 or three years of high school German

225, 226. GERMANIC ARTS AND LITERATURES

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

Prerequisite: sophomore standing, at least Mr. McCoy

[343, 344. 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 107, 108.

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

345, 346. 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 107, 108.

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

[421, 422. GERMAN POETRY]

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

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

[441, 442. COMPREHENSIVE SURVEY OF GERMAN LITERATURE]

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

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

461, 462. GERMAN SEMINAR

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

Prerequisite: German 421, 422 or 441, 442

Mr. McCoy and Staff

SPANISH

Major requirements: Spanish 105, 106, 221, 222, 341, 342, 347, 348; German 225, 226; History 121, 122 or 223, 224; 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 414 among his elections. Note: In Spanish 101, 102, 103, 104, 105, 106 students are allocated on the basis

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

101, 102. ELEMENTARY SPANISH

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

Prerequisite: none

103, 104. INTERMEDIATE SPANISH

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

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

105, 106. CONVERSATION, COMPOSITION, AND READING

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

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

221, 222. INTRODUCTION TO SPANISH LITERATURE

Readings in prose, poetry, and drama of the nineteenth and twentieth centuries from the masterpieces of the literature of Spain.

Prerequisite: Spanish 103, 104 with a mark of A or B, or Spanish 105, 106

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

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

Prerequisite: Spanish 221, 222

* 347, 348. CONTEMPORARY 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. Conducted chiefly in Spanish.

Prerequisite: Spanish 221, 222

461, 462. SPANISH SEMINAR

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

Prerequisites: Spanish 341, 342 or 347, 348 Staff

DIVISION OF SOCIAL SCIENCES

Chairman: Professor Fullam

NOTE: For fulfilling the graduation requirement in social studies it is recommended that students elect a freshman-sophomore sequence of History 121, 122 and Economics 221, 222, 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 223, 224 and Economics 221, 222 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 221, 222 and Economics 221, 222 in the sopho-more year; English 325, 326, Government 331, History 351, and Economics 321, 322 in junior year; History 311, 312, Philosophy 351, Art 212, and History 401, 402 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 examinations may be taken at any time during the senior year.

SOCIAL SCIENCE

101. 102. 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 Messrs. Marriner and Gilman

BUSINESS ADMINISTRATION

Professor Eustis; Associate Professor Seepe; Assistant Professors Bishop and Williams; Messrs. Howard and Abbott; Mrs. Manning

Major requirements: Business Administration 221, 222, 321, 322, 411, 413; Economics 221, 222, and at least one additional year-course or its equivalent (other than 121, 122) in Business Administration.

121, 122. INTRODUCTION TO BUSINESS

Background concepts and information concerning the actual functioning of the American business system. A summary study is made of such major areas as marketing, forms of business organization, management controls, personnel policies, etc.

Prerequisite: standing not higher than freshman

Mr. Abbott

141, 142. SHORTHAND

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

Prerequisite: none

Mrs. Manning

143, 144. TYPEWRITING

Study of touch typewriting; letter arrangement; tabulation; related topics. See note below.

Prerequisite: none

Mrs. Manning

151. ADVANCED SHORTHAND

Dictation of business letters and materials of literary, informational, and vocabulary-building value. Methods of teaching shorthand. See note below.

Prerequisite: Business Administration or equivalent Mrs. Manning

153. ADVANCED TYPEWRITING

Continuation of Business Administration 144. See note below.

Prerequisite: Business Administration 144 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
- (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 yearcourse.

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.

221e, 222. ELEMENTARY ACCOUNTING

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

Prerequisite: sophomore standing at least; 221e is an "E" course. Mr. Bishop

321, 322. 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: junior standing, at least Mr. Williams

* 341, 342. ADVANCED ACCOUNTING

More extensive and intensive study of accounting theory introduced in Business Administration 221, 222. Application of basic principles of accounting to special situations such as taxation, security promotion, etc. No laboratory.

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

* 343, 344. 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 Mr. Howard

† [351. 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

† [352. 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

* 354. 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 Mr. Bishop

† [355. 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

411. PERSONAL FINANCE

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

Prerequisite: senior standing, juniors by permission

Messrs. Eustis and Williams

412. INVESTMENTS

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

Prerequisites: Business Administration 221, 222, 321, 322, 421 Messrs. Eustis and Williams

413. 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 Staff

ECONOMICS AND SOCIOLOGY

Professors Morrow and Breckenridge; Associate Professor Pullen; Assistant Professor Birge and Instructor

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 combined majors: history, government, and economics; and American civilization.

ECONOMICS

Major requirements: freshman year, one physical science and History 121, 122; sophomore year, Economics 221, 222, Sociology 221, 222, and Psychology 211, 212; and at least six semester courses in economics in addition to Economics 221, 222. Students planning to do graduate study in the field of Economics should take at least one yearcourse in college Mathematics, have a good reading knowledge of French and German, and have a working knowledge of elementary statistics.

221e, 222. PRINCIPLES OF ECONOMICS

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

Prerequisite: sophomore standing, at least. Course 221 is prerequisite for 222, and is an "E" course.

321, 322. 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 221, 222. Course 321 is prerequisite for 322. Mr. Breckenridge

323, 324. PUBLIC FINANCE

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

Prerequisite: Economics 221, 222. Course 323 is prerequisite for 324. Mr. Breckenridge

* 331. VALUE AND DISTRIBUTION

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

Prerequisite: Economics 221, 222 Mr. Pullen

* 332. HISTORY OF ECONOMIC THOUGHT

A study of the development of economic thought from ancient times to the present, with emphasis on the period from 1750 to 1890.

Prerequisite: Economics 331

† [341, 342. 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 221, 222. Course 341 is prerequisite for 342.

361, 362. LABOR ECONOMICS

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

Prerequisite: Economics 221, 222. Course 361 is prerequisite for 362. Mr. Pullen

[381, 382. 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 221, 222. Course 381 is prerequisite for 382.

[401, 402. ECONOMICS SEMINAR]

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

Prerequisite: Economics 221, 222 and senior standing

SOCIOLOGY

Major requirements: Biology 101, 102, Economics 221, 222, Psychology 211, 212; Sociology 221, 222, 311, 312, and any two other courses. Sociology 401, 402 is required in the senior year. The following courses are especially important for students planning to enter social work. Economics 361, 362; History 221, 222; Psychology 311, 312, 333, 336; Sociology 331, 332, 341, 342.

Mr. Pullen

221e, 222. PRINCIPLES OF SOCIOLOGY

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

Prerequisite: sophomore standing; for students majoring in Sociology, Biology 101, 102. Course 221 is prerequisite for 222 and is an "E" course.

* 311. 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 221, 222 Mr. Morrow

* 312. 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 221, 222

Mr. Morrow

† [331. INTRODUCTION TO SOCIAL WORK]

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

Prerequisite: Sociology 221, 222

† [332. DELINQUENCY AND CRIME]

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

Prerequisite: Sociology 221, 222

† [341, 342. RACE AND MINORITY GROUPS]

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

Prerequisite: Sociology 221, 222. Course 341 is prerequisite for 342.

* 361, 362. CULTURAL ANTHROPOLOGY

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

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

391d. 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 221, 222

Mr. Morrow

401, 402. SOCIOLOGY SEMINAR

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

Prerequisite: Sociology 311, 312 and senior standing Mr. Morrow

EDUCATION AND PSYCHOLOGY

Professor Colgan; Associate Professor Smith; and —

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 311, 312.

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 must consult with the staff of this department before the junior year.

the staff of this department before the junior year. 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 421, 422 and Psychology 311, 312. No student will be permitted to elect more than two full courses in Education in any one year.

EDUCATION

311. 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. Smith

312. PRINCIPLES OF SECONDARY EDUCATION

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

Prerequisite: junior standing Mr. Smith

421, 422. GENERAL METHODS OF JUNIOR-SENIOR HIGH SCHOOL TEACHING AND EDUCATIONAL MEASUREMENTS

Methods of classroom instruction and management; problems of the novice; observation of teaching in local schools; demonstration teaching in class. Techniques of pupil counseling; marking and reporting; the uses of standard tests and scales; construction and use of informal objective-type and improved essay-type tests.

Prerequisite: senior standing or permission of instructor. Course 421 is prerequisite for 422. Required of all teaching candidates. Mr. Smith

[431d. 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.

441, 442. PROBLEMS IN EDUCATION

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

Prerequisite: special permission and senior standing.

Messrs. Colgan and Smith

SPECIAL TEACHING METHODS

English 411, 412: The Teaching of English
French 414: Teaching French and Spanish in
Secondary School
Mathematics 392: Teaching Mathematics in
Secondary School
Miss Pinette

† [Physics 332: Teaching Science in Secondary School]

PSYCHOLOGY

Major requirements: Psychology 211, 212, 333; choice of 321 and 322 or 331 and 332; and nine additional semester hours in psychology; Biology 101, 102 or Sociology 221, 222. Psychology 421, 422 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.

211e. 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. Mr. Colgan and Instructor

212. 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 312.

Prerequisite: Psychology 211

Mr. Colgan

311. PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE

Genetic study of childhood from the prenatal period through adolescence; problems of adjustment; social relations and career motivations. Observations of children; individual case studies and reports. Intended for students interested in teaching, social work, counseling, and parenthood.

Prerequisite: junior standing. Required of all teaching candates Mr. Smith

312. EDUCATIONAL PSYCHOLOGY

Principles of the learning process; acquiring knowledge and skills, attitudes and appreciations; 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. Required of all teaching candidates. Mr. Smith

321e, 322. 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 211 with a mark of C or better. 321 is prerequisite for 322 and is an "E" course. Instructor

331. 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 211, 222 or Sociology 221, 222, with a mark of C or better Mr. Colgan

332. PROBLEMS IN SOCIAL PSYCHOLOGY AND GENERAL SEMANTICS

Applications of Psychology 331 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 331 with a mark of C or better Mr. Colgan

333. 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 211, 212; at least one year of college mathematics or two years of high school mathematics. Mr. Smith

334. PSYCHOLOGICAL TESTS

A continuation of Psychology 333: historical survey, analysis, and demonstrations in the 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 333

Mr. Smith

335. 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 212. Note: Business Administration 352 "Human Relations in Business" is recommended. Instructor

336. PSYCHOLOGY OF PERSONALITY

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

Prerequisite: Psychology 212 Instructor

421, 422. SEMINAR IN PSYCHOLOGY

Independent study of special problems. Intended for students whose training and experience qualify them for selfmotivated 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

Professor Fullam; Associate Professor Flechtheim; Mr. Gillum and Instructor

Attention is invited to the opportunity for concentrating in (1) history, government, and economics; (2) American civilization. See page 00.

HISTORY

Major requirements: eight semester courses in history, including History 121, 122 (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 221, 222 is particularly recommended.

121e, 122. 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; 121 is an "E" course and is prerequisite for 122. Staff

221e, 222. 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; 221 is an "E" course and is prerequisite for 222. Mr. Fullam

223e, 224. 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; 223 is an "E" course and is prerequisite for 224.

241e, 242. HISTORY OF ENGLAND

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

Prerequisite: sophomore standing, at least; 241 is an "E" course and is prerequisite for 242. Mr. Gillum

261, 262. CLASSICAL CIVILIZATION

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

Prerequisite: sophomore standing, at least Mr. Bliss

[271. 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

275. RENAISSANCE AND REFORMATION

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

Prerequisite: sophomore standing, at least

[291. 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

[296. 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

[311. AMERICAN COLONIAL HISTORY, 1492–1763]

European exploration and discovery: the settlement and development of the American colonies and institutions. Prerequisite: History 221, 222 and junior standing, at least

[312. THE AMERICAN REVOLUTION AND THE FORMATION OF THE UNION]

A continuation of History 311. Prerequisite: History 311

[313. 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 221, 222

[314. HISTORY OF WESTWARD EXPANSION]

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

Prerequisite: History 221, 222

332. INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE

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

Prerequisite: History 223, 224, junior standing, or special permission Mr. Flechtheim

[334. 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 121, 222; and junior standing, at least.

352. 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 121, 222, and junior standing, at least

353. 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

401, 402. HISTORY SEMINAR

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

Prerequisite: senior standing, with concentration in history; B average in history courses, or by special permission. Mr. Flechtheim and Staff

411d. TOPICS IN HISTORY

Study of History through special topics. Prerequisite: senior standing and History major Staff

GOVERNMENT

221e, 222. FOREIGN GOVERNMENTS AND POLITICS

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

Prerequisite: History 121, 122, and sophomore standing, at least; 221 is an "E" course and is prerequisite for 222.

Mr. Flechtheim

321e, 322. POLITICAL THEORY

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

Prerequisite: junior standing, at least; 321 is an "E" course. Mr. Flechtheim

331. AMERICAN GOVERNMENT AND POLITICS

The organization and administration of our national government.

Prerequisite: junior standing, at least Mr. Fullam

332. PUBLIC ADMINISTRATION

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

Prerequisite: Government 331 Mr. Fullam

[351. AMERICAN FOREIGN POLICY]

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

Prerequisite: History 221, 222 or 223, 224; and junior standing, at least.

352. INTERNATIONAL RELATIONS

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

Prerequisite: junior standing, at least Mr. Gillum

[412. RESEARCH IN UNITED STATES GOVERNMENT] Conducted as a seminar, with an original research project required.

Prerequisite: Government 331

PHILOSOPHY AND RELIGION

Professor Bixler; Associate Professors Clark and Osborne; Mr. Gilman

PHILOSOPHY

Major requirements: Philosophy 211, 212, 331, 332, 381 or 382, and three further semester courses selected with the approval of the head of the department.

211. INTRODUCTION TO PHILOSOPHY

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

Prerequisite: sophomore standing, at least Mr. Clark

212. LOGIC

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

Prerequisite: sophomore standing, at least, except that freshmen qualified may be accepted. Mr. Clark

301, 302. 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 decisions which the citizen of a Democracy is called upon to make today on such issues as: the control of atomic energy, the safeguarding of minority rights in America, and the regulation of the profit motive in contemporary society. Other topics: the ethics of freedom and security, love, marriage and the family, business and professional relationships and organizations.

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 Staff

PHILOSOPHY AND MODERN SCIENTIFIC 311. THOUGHT

The philosophical implications of modern Astronomy, the Theory of Evolution in Biology, and some of the findings of recent Physics. The relationship of these studies to the social sciences, and to the understanding of Western culture, Ethics, Art, and Religion.

Mr. Clark Prerequisite: junior standing, at least

312. **ETHICS**

A systematic study of the meaning of right and wrong, better and worse, in human relationships, and of the implications of ethical values for other phases of human thought. Ethics and Psychology, Ethics and the fundamental conceptions of the Social Sciences, Ethics and Religion.

Prerequisite: junior standing, at least Mr. Clark

HISTORY OF ANCIENT PHILOSOPHY 331.

An attempt to discern the movement of thought and the ideas of enduring significance in Greek philosophy from its earliest beginnings to its climax in Athens. Special Consideration is given to the thought of Socrates, Plato and Aristotle. Prerequisite: junior standing, at least Mr. Gilman

HISTORY OF MODERN PHILOSOPHY 332.

The study of European philosophy from Bacon to Bergson, with special attention to the works of Descartes, Spinoza, Locke, Hume, Kant, Hegel, Schopenhauer, and Compte. Prerequisite: junior standing, at least Mr. Gilman

AMERICAN THOUGHT [351

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

Prerequisite: junior standing, at least

372. 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 Mr. Bixler

381, 382. PHILOSOPHY SEMINAR

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

Prerequisite: junior standing, at least; Philosophy 211, 212 or Philosophy 331, 332 and two further semester courses in Philosophy. Staff

RELIGION

Major requirements: Religion 121, 122, 211, 222, 213, 214, 381, 382, and either Philosophy 312 and 371 or Philosophy 301, 302.

121, 122. THE RELIGIOUS HERITAGE OF THE WEST

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

Prerequisite: standing not higher than sophomore

Messrs: Osborne, Gilman and Clark

211. GREAT RELIGIONS OF THE WORLD

Hinduism, Buddhism, Judaism, Mohammedanism. This course provides a suitable background for Philosophy 371, (Philosophy of Religion).

Prerequisite: sophomore standing, at least Mr. Osborne

212. GREAT RELIGIOUS PERSONALITIES

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

Prerequisite: sophomore standing, at least Mr. Osborne

213. THE BIBLE: OLD TESTAMENT

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

Prerequisite: sophomore standing, at least Mr. Gilman

214. THE BIBLE: NEW TESTAMENT

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

Prerequisite: sophomore standing, at least Mr. Gilman

381, 382. RELIGION SEMINAR

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

Prerequisite: junior standing, at least; and two year-courses in Religion. Required of majors in Religion. Staff

DIVISION OF SCIENCE

Chairman: PROFESSOR WEEKS

BIOLOGY

Professor.....; Assistant Professor McKey; Miss Dunham

Major requirements: Biology 101, 102, 221, 222, 241, 242, 251, 252, 312. Students looking forward to graduate study in Biology should consult with the head of the department as to election of other science courses. For certain types of graduate work, courses in other science departments, chemistry, geology, mathematics or physics, may be advisable or necessary.

101, 102. GENERAL BIOLOGY

An introduction to the science of biology.

†[221, 222. BOTANY]

Staff

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

Prerequisite: Biology 101, 102; 221 is Prerequisite for 222.

241, 242. COMPARATIVE ANATOMY OF THE VERTEBRATES

A comparative study of vertebrate animals, their structure, natural history and relationships. Dissection of a dogfish, mudpuppy, turtle, bird, and cat.

Prerequisite: Biology 101, 102; 241 is prerequisite for 242. Miss Dunham

251. MICROSCOPIC ANATOMY AND TECHNIQUE

A study of fundamental animal tissues and of the preparation of material for microscopic examination. Practice in making *in toto* mounts, blood smears and paraffin sections.

Prerequisite: Biology 101, 102 Miss Dunham

252. VERTEBRATE EMBRYOLOGY

A study of early vertebrate development with especial attention to the chick in the laboratory. Consideration of implications of experimental embryology. Maturation of germ cells, cleavage, and early organography.

Prerequisite: Biology 101, 102 Miss Dunham

253. 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 253.)

Prerequisite: Biology 101, 102

254. MICROBIOLOGY

A study of yeasts, molds, and bacteria; their role in the living world, and their relation to man and his activities. Prerequisite: Biology 101, 102; Chemistry 121, 122

271. HUMAN PHYSIOLOGY

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

Prerequisite: Biology 101, 102 and Chemistry 121, 122

Mr. McKey

272. MAMMALIAN ANATOMY

The gross anatomy of a typical mammal, the cat. Prerequisite: Biology 101, 102 Mr. McKey

312. 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.

421, 422. BIOLOGY SEMINAR

Prerequisite: special permission. Normally this course is open only to those who have completed or are in process of completing the courses required for a biology major.

CHEMISTRY

Professor Weeks; Associate Professor Ray; Assistant Professor Jaquith

PROFESSIONAL MAJOR

Requirements: Chemistry 121, 122, 211, 212, 221, 222, 223, 224, 321, 322 and at least one of the more advanced courses; Physics 121, 122 or 123, 124; Mathematics 221, 222. Two years of German are recommended.

Non-Professional Major

Requirements: Chemistry 121, 122, 211, 212, 221, 222, 223, 224. Other courses which will best suit the needs of the student should be selected in consultation with the head of the department.

121, 122. 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; 121 is prerequisite for 122 Mr. Weeks

211. QUALITATIVE ANALYSIS

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

Prerequisite: Chemistry 121, 122

Mr. Jaquith

212. 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 211

Mr. Jaquith

221, 222. 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 211, 212 (either passed or elected concurrently) Mr. Ray

223, 224. ORGANIC CHEMISTRY

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

Prerequisite: Chemistry 121, 122; 223 is prerequisite for 224 Mr. Weeks

321, 322. PHYSICAL CHEMISTRY

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

Prerequisite: Chemistry 211, 212; and 221, 222. Math 221, 222 either passed or elected concurrently Mr. Ray

[323, 324. APPLIED CHEMISTRY]

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

Prerequisite: Chemistry 221, 222, 223, 224

421, 422. SEMINAR IN ANALYTICAL CHEMISTRY

Mr. Ray

441, 442. SEMINAR IN PHYSICAL CHEMISTRY Mr. Ray

461, 462. SEMINAR IN ORGANIC CHEMISTRY

Mr. Weeks

481, 482. SEMINAR IN INORGANIC CHEMISTRY

Mr. Jaquith

All seminars require conferences, library work, and experiments in the field indicated. All have as prerequisites Chemistry 121, 122, 211, 212, 221, 222, 223, 224, 321, 322 (either passed or taken concurrently).

GEOLOGY AND GEOGRAPHY

Associate Professor Koons; Messrs. Rush and Randall

Major requirements: Geology 101, 102, 221, 222, 412, 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

101, 102. 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

221, 222. 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 101, 102 Mr. Rush

† [231. 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 101, 102

† [232. PHYSIOGRAPHY OF THE UNITED STATES]

The geologic structure, geomorphic history, and physiographic divisions of the United States. Prerequisite: Geology 101, 102

† [251. 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 101, 102

† [252. ADVANCED HISTORICAL GEOLOGY]

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

Prerequisites: Geology 101, 102, 251

* 271. GEOLOGIC FIELD METHODS

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

Prerequisites: Geology 101, 102, 221, 222 taken or elected concurrently Mr. Rush

* 272. STRUCTURAL GEOLOGY

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

Prerequisites: Geology 101, 102, 221, 222 taken or elected concurrently

* 291. GLACIAL GEOLOGY

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

Prerequisite: Geology 101, 102

† [311. 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 101, 102, 232, 271, and junior standing, at least Mr. Koons

412. 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 101, 102, 221, 222 and senior standing Mr. Rush

GEOGRAPHY

111. METEOROLOGY

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

Prerequisite: none

Mr. Randall

[112. CLIMATOLOGY]

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

Prerequisite: none

Mr. Randall

221, 222. 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: Sophomore standing, at least Mr. Randall

231. 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 101, taken or elected concurrently Mr. Randall

232. GEOGRAPHY OF ASIA

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

Prerequisite: Geology 101

Mr. Randall

[233. PRINCIPLES OF ECONOMIC GEOGRAPHY]

The distribution, exploitation, and conservation of natural resources, and their influence on national economic policies. Prerequisite: sophomore standing, at least

[234. 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

Major requirements effective with the Class of 1953: Mathematics 123, 124, 221, 222, 321, 322, 341, 342, 361, 362, 421, 422. Mathematics 381 may be substituted for 322 by permission. Major requirements for the class of 1952: Mathematics 123, 124, 221, 222, 341, 342, 421, 422. Courses used in computing C average: all mathematics courses.

121, 122. BASIC COLLEGE MATHEMATICS

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

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

123, 124. ELEMENTARY FUNCTIONS

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

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

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

221, 222. ELEMENTARY DIFFERENTIAL AND INTEGRAL CALCULUS

Differentiation of functions; maxima and minima; related rates; velocity and acceleration; parametric and polar equations; partial derivatives; total differential; methods of integration with applications to geometry, physics, and mechanics, using rectangular and polar coordinates.

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

321, 322. DIFFERENTIAL EQUATIONS AND INTRODUCTORY APPLIED MATHEMATICS

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

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

* 341, 342. GEOMETRY

Analytic geometry of two and three dimensions; projective geometry.

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

† [361, 362. ADVANCED AND HIGHER ALGEBRA]

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

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

† [381, 382. INTRODUCTION TO MATHEMATICAL STATISTICS]

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

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

† [392. 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 221, 222

421, 422. 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 321, 322; 421 is prerequisite for 422 Mr. Combellack

[441, 442. SPECIAL TOPICS]

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

Prerequisite: Mathematics 321, 322, or by permission

PHYSICS

Professor Brown; Mr. Yamauchi

Major requirements: Physics 123, 124 or equivalent; 211, 212, 213, 301, 302, 216; Mathematics 123, 124, 221, 222; Chemistry 121, 122. 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 should consult department head as early as possible. Courses used in computing "C" Average: Mathematics 123, 124, and all physics courses.

121e, 122. ELEMENTARY PHYSICS

A survey of the basic phenomena of mechanics, heat, sound, electricity, and light; selected topics in modern physics. Restricted to non-science majors who have not passed Math 123, 124. On the approval of the instructor Physics 121, 122 is equivalent to 123, 124 for the election of advanced courses. Four semester hours credit per semester.

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

123e, 124. GENERAL PHYSICS

A quantitative study of mechanics, heat, sound, electricity, light, and modern physics for science majors, including premedical students, and those having completed Math. 123, 124. Four semester hours credit per semester.

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

* 211. MECHANICS

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

Prerequisite: Physics 123, 124; and Mathematics 221 (either passed or elected concurrently) Mr. Brown

* 212. HEAT AND THERMODYNAMICS

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

Prerequisite: Physics 123, 124: Mathematics 222 (either passed or elected concurrently) Mr. Brown

† [213. OPTICS]

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

Prerequisite: Physics 123, 124. Trigonometry

† [214. SOUND]

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

Prerequisite: Physics 123, 124 and Mathematics 222 (either passed or elected concurrently)

† [216. 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 123, 124 and Trigonometry

† [301, 302. ELECTRICITY AND MAGNETISM]

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

Prerequisite: Physics 123, 124 and Mathematics 221, 222

* 303, 304. ELECTRONICS

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

Prerequisite: Mathematics 221, 222 and Physics 301, 302 or equivalent. Mr. Brown

311. NUCLEAR RADIATION PHYSICS

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

Prerequisite: Physics 216

Mr. Yamauchi

† [332. 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: two semester courses in physics, two additional semesters of another laboratory science, and an education course taken previously or concurrently.

412. MATHEMATICAL PHYSICS

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

Prerequisite: Physics 123, 124, Mathematics 221, 222, and permission of instructor Mr. Yamauchi

421, 422. SPECIAL TOPICS

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

Prerequisite: junior standing, at least, and permission of Staff instructor.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Chairman: PROFESSOR LOEBS

Associate Professors Loebs and Roundy; Assistant Professors Marchant and Williams; Mr. Corey and Miss Soderberg; Drs. Dore and Reynolds

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 shirt 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 in good standing 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 teachercoach 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.

311. THE ORGANIZATION AND TEACHING OF HEALTH AND PHYSICAL EDUCATION ACTIVITIES

The practice and theory of those activities included in the program of health service, health instruction, intramural athletics, and physical education in the modern school program.

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

312. THE ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

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

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

Note: Women's section of 311 and 312 offered in 1951-52 and alternate years only.

PREPARATION FOR PROFESSIONAL SCHOOLS

MEDICINE

The pre-medical student is free to major in any subject of his choice. The medical schools do not require a major in any one subject or any combination of subjects. They merely require general high standing and the inclusion in the student's college program of biology, chemistry, physics, English, and foreign languages. The amount of work demanded in each of these subjects differs with different medical schools, but all require organic chemistry in addition to a year of general chemistry. Some schools require vertebrate anatomy and all schools prefer it.

The pre-Medical Committee at Colby will help each candidate to prepare for all medical schools to which he may wish to apply. Admission to medical school is so highly

competitive that it is frequently necessary for a candidate to apply to several schools.

It is strongly urged that pre-medical students take college courses in mathematics through the first year of calculus. Many medical schools place high reliance upon the marks in calculus in their selection of competitive applicants.

In the college year preceding entrance into medical school the applicant must take the Medical College Admission Test. This test, administered twice a year, in November and May, should surely be taken in November by applicants who wish to enter medical school in the following autumn, because the fall class in many schools is selected prior to the May administration of the test. The Medical College Admission Test is supervised by the Educational Testing Service, which has designated Colby College as one of the centers where the test is given. It is administered at Colby by the Dean of the Faculty.

DENTISTRY

Although some of the dental schools admit applicants who have completed three years, and sometimes only two years, of college work, the leading schools prefer applicants who hold the college degree. As in medicine, there is no demand for a particular major. Each applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which differ in quantity with different dental schools.

The Pre-Medical Committee is advisory to candidates for dentistry as well as to those for medicine.

Testing for admission to dental schools is new. The American Dental Association began a testing program in 1950, setting up testing centers, not at the colleges, but in various cities, and fixing the testing dates in the Thanksgiving recess, the Christmas recess, and the spring recess period. Since those dates vary among the colleges, it is hoped that the Dental Association will soon decide to use the facilities of the Educational Testing service and have the test given on the college campuses.

LAW

No specific subject is required for admission into any school of law. The pre-law student is therefore free not only to major in any field of his choice; he is also free to take any subjects he pleases during his college course.

Law schools vary widely in their standards of admission. Since nearly every state in the Union now requires two years of college work for all who take the bar examination, regardless of training in law school or elsewhere, the minimum requirement for entrance into any reputable school of law is the completion of two years of college. The leading schools of greatest prestige require a college degree for admission; another group requires three years of college work. Each applicant should therefore determine the exact requirements laid down by the law school of his choice.

During the college year before he intends to enter law school, the candidate must take the Law School Admission Test, administered at Colby under direction of the Dean of the Faculty on specified dates in November, February, and April. This is a national test, supervised by the Educational Testing Service.

NURSING

Under the direction of the Dean of Women, students interested in preparing for a collegiate school of nursing may arrange an appropriate program of study. The pre-nursing curriculum follows the requirements of leading schools of nursing, such as those at Yale and Cornell.

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MATTHEW TAYLOR MELLON, Ph.D., Litt.D., (1953) Former Lecturer, University of Freiburg	Greenwich, Conn.
WILLIAM STARK NEWELL, LL.D., (1951) Chairman of the Board, Bath Iron Works Corp.	Bath, Maine
Newton Leroy Nourse, B.S., (1952) Sales Manager, The Brown Company, New York	Portland, Maine
NATHAN RUSSELL PATTERSON, B.S., (1951) President, Patterson Steel Company President, American Institute of Steel Construction	Tulsa, Okla.
CARROLL NORMAN PERKINS, LL.B., LL.D., (1951) Lawyer, Perkins, Weeks & Hutchins	Waterville, Maine
FREDERICK ALBERT POTTLE, Ph.D., Litt.D., (1953) Professor, Yale University	New Haven, Conn.
SUMNER SEWALL, LL.D., (1951) Former Governor of Maine	Bath, Maine
WINTHROP HIRAM SMITH, A.B., (1951) Partner, Merrill Lynch, Pierce, Fenner & Beane	New York, N.Y.
RAYMOND SPINNEY, A.B., (Al. 1952) Middlesex County National Bank	Boston, Mass.
Russell Millard Squire, B.S., (1952) Merchant	Waterville, Maine
REGINALD HOUGHTON STURTEVANT, A.B., (Al. 1952 Banker Live	2) ermore Falls, Maine

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FACULTY 1950-51

In parenthesis after each name are listed the colleges from which earned degrees have been received.

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FRANKLIN WINSLOW JOHNSON, A.M., L.H.D., LL.D., D.C.L. (Colby, Chicago) President-Emeritus. Residence, Mayflower Hill Drive

CLARENCE HAYWARD WHITE, A.M., Litt.D. (Amherst), Professor-Emeritus of the Greek Language and Literature. Residence, 40 Burleigh Street

GEORGE FREEMAN PARMENTER, Ph.D., Sc.D. (Massachusetts State College, Boston University, Brown), Professor-Emeritus of Chemistry. Residence, 7 Sheldon Place

WEBSTER CHESTER, A.M., Sc.D. (Colgate, Harvard), Professor-Emeritus of Biology. Residence, 56 Burleigh Street

THOMAS BRYCE ASHCRAFT, Ph.D. (Wake Forest, Johns Hopkins), Professor-Emeritus of Mathematics. Residence, 34 Pleasant Street

NINETTA MAY RUNNALS, A.M., Litt.D. (Colby, Columbia), Professor-Emeritus of Education and Mathematics and Dean of Women Emeritus.

Residence, 46 Lawrence Street, Dover-Foxcroft

WILBERT LESTER CARR, A.M., LL.D. (Drake), Professor-Emeritus of Latin.

Residence, $9\frac{1}{2}$ West Street

ERNEST CUMMINGS MARRINER, A.M. (Colby), Professor of English. Dean of the Faculty.

Residence, 17 Winter Street

CURTIS HUGH MORROW, Ph.D. (Clark), Professor of Economics and Sociology.

Residence, 3 West Court

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FACULTY

CARL JEFFERSON WEBER, M.A., D.Litt. (Johns Hopkins, Oxford), Roberts Professor of English Literature. Curator of Rare Books and Manuscripts.

Residence, 42 Burleigh Street

- EDWARD JOSEPH COLGAN, A.M. (Harvard), Professor of Education and Psychology. Residence, 11 Gilman Street
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- LESTER FRANK WEEKS, A.M. (Colby, Harvard), Merrill Professor of Chemistry. Residence, 31 Winter Street
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Residence, 3 First Rangeway

GILBERT FREDERICK LOEBS, A.M. (Springfield, Pittsburgh, Columbia), Associate Professor of Health and Physical Education. Residence, 43 Burleigh Street

- ALFRED KING CHAPMAN, A.M. (Colby, Harvard), Associate Professor of English. Secretary of the Faculty. 28 Pleasant Street
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