

MIDDLEBURY COLLEGE BULLETIN

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NOVEMBER, 1921

NO. 3

MIDDLEBURY COLLEGE

The Catalogue

1921-1922

PART ONE



MIDDLEBURY, VERMONT

Published Monthly by the College

PROFESSOR J. MORENO-LACALLE

Editor of College Publications

Calendar

1921							1922							1923														
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MIDDLEBURY COLLEGE

The Catalogue of 1921-22.

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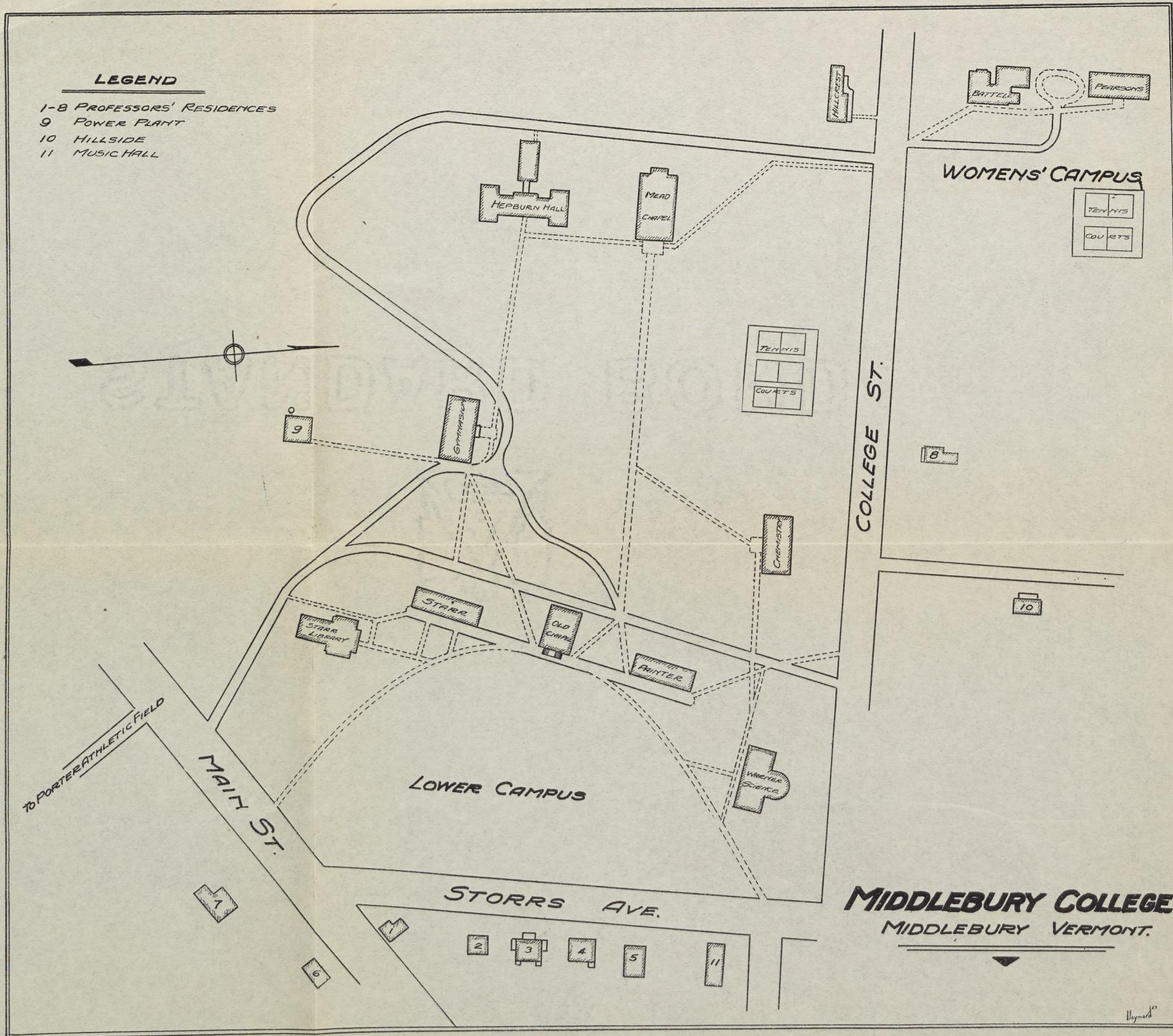
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Middlebury, Vermont



One Hundred and Twenty-Second Year

1921-1922

PART ONE



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1921

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GENERAL INFORMATION

MIDDLEBURY COLLEGE was chartered in 1800 on the model of still older New England colleges and throughout its history has devoted itself strictly to college work, without professional or technical schools. It offers instruction in twenty-one departments by a Faculty of over forty Professors, Assistant Professors, and Instructors. The degrees of Bachelor of Arts and Bachelor of Science are conferred upon the completion of a four years' course, while in both college and summer session advanced courses lead to the degrees of Master of Arts and Master of Science. A group system of elective studies is maintained.

The government of the College is by a Board of
GOVERNMENT Trustees, whose corporate title is "The
AND President and Fellows of Middlebury
RESOURCES College." The corporation is self-perpetuating and the charter of the College contains no restrictions as to elections. The College owns buildings, equipment and grounds valued at \$846,905. The permanent endowment amounts to \$1,785,353.42 of which over two-thirds have been received in the past ten years. An annual appropriation of \$31,200 is received from the State of Vermont, of which \$7,200 is for scholarships. The annual expenditures for the year 1920-1921 were \$193,376.83. The College has never impaired its endowments and is not in debt. The permanent endowment includes the "Liberty Endowment Fund" of \$422,498.50, subscriptions to which were completed June 30, 1918. The

General Education Board has pledged \$250,000 toward a further fund of one million dollars for endowment for professors' salaries.

Middlebury is a village of 2000, beautifully situated in the Champlain Valley and equidistant from the northern and southern boundaries of Vermont. It is on the main line of the Rutland Railroad, with through trains both from Boston and New York. The College Campus commands a surpassing mountain view, the Adirondacks across Lake Champlain to the west, and on the east a wide sweep of the Green Mountains, much of which is within the 30,000 acre forest preserve belonging to the College.

The College Campus comprises 244 acres and is in four sections. The "old campus" of 30 acres contains the main buildings and residences for men; the Battell Campus is reserved for buildings for women; Porter Field of 79 acres comprises the athletic grounds; a fourth section, recently acquired, borders the Otter River for a considerable distance.

The College plant includes eleven permanent buildings, besides cottages, professors' houses and smaller structures. The three oldest buildings are of gray limestone, colonial in architecture. Vermont white marble has been used in most of the more recent structures and the same classic architecture has been followed. Each building has been planned with reference to the others, with ample spaces between. The result is a pleasing harmony and a campus of ex-

ceptional beauty. Descriptions of the several buildings will be found elsewhere in this catalogue.

Middlebury College has made substantial progress in the past decade, especially in equipment and in permanent funds. Student attendance has doubled, endowments have been trebled and the annual income has been quadrupled. Among the recent buildings are: Hepburn Dormitory and Commons, a residence for 100 men, fireproof, with an attractive dining hall and social rooms; the Mead Memorial Chapel, a marble structure of great beauty and impressiveness; the Chemistry Building, affording unusual laboratory facilities for that science; and the McCullough Gymnasium, well appointed for physical education.

One of the most unique gifts to an American college was the bequest of the late Joseph Battell to Middlebury, which was received in 1916. For over forty years Mr. Battell had been acquiring forest and mountain lands in the vicinity of Middlebury with a view to the preservation of the forests and the beauty of the natural scenery of the region. His holdings amounted to about 30,000 acres along the highest ridge of the Green Mountains and including several of the higher mountains of Vermont. Most of the land is heavily wooded and will afford the College the opportunity for the practice of scientific forestry in its immediate vicinity. The value of the estate exceeds \$400,000.

A more recent bequest is that of Dr. Henry Freeman Walker of the Class of 1860, of \$100,000 for the establishment of a "Furlough and Emergency Fund," the income of which is to be devoted to the needs of the Faculty in providing for occasional periods of rest, recreation or study, and in relieving the more immediate exigencies of sickness. By the will of the late Mrs. Russell Sage the College has received \$100,000. A fund of \$10,000 was established in 1918, which at present has been increased to \$35,100 to be known as the "Fletcher D. Proctor Fund for American History," the income of the investment to be applied toward the payment of the salary of a professor to teach American History. An additional \$25,000 has been promised for this fund.

Middlebury College is non-sectarian, having never had official connection with any church. The founders, however, were men of deep piety, and a tradition of earnest religious faith and sincere moral purpose was early established, which it is the desire of the College to foster. Student religious organizations are maintained, with an active Sunday Noon Club. A chapel service is held each week-day at 10 A.M. and a vesper service on Sunday at 5 P.M. All students are required to attend unless excused for urgent cause. These services are conducted by the President, and men of eminence of various denominations act as College preachers. The music is in charge of the Head of the Music Department. The vested choir is composed of twenty-four students, chosen by competition.

A sufficient appropriation is provided to bring to the students of the College at a very low cost an annual series of lectures, recitals, and concerts of the highest rank. The program for the current year includes a lecture by William Jennings Bryan, recitals by Pablo Casals and Hulda Lashanska, and concerts by the Boston Symphony Orchestra and the New York Chamber Music Society.

The Summer Session has brought the College an enviable reputation for its distinctive work. The permanent connection with the College of the Deans of the French and Spanish Schools now makes it possible for undergraduate students to benefit by the advantages these schools have introduced into language teaching. With the establishment of the Maison Française, the French School has been continued throughout the college year, and although primarily a graduate school of French, the benefit of its courses and the conversational advantages provided at the French Dining Hall may be enjoyed by properly qualified students of the College. Spanish tables have been introduced at Hepburn Dining Hall in charge of native Spanish instructors, for the benefit of students of Spanish.

The specialty of Middlebury is not a department of study, but a type of student. The location of the College in a frugal agricultural region favors economy. For over a century she has sought out particularly the youth from the quiet homes of northern New England and sur-

rounded them with encouragement to modest living while engaged in the pursuit of knowledge. By resolute endeavor college expenses have been kept low. Students who have to work their own way are especially encouraged, in the belief that such students furnish the most healthful tone to an institution of learning. Those who can afford more than Middlebury exacts are invited to consider the advantages to character which come from such an atmosphere in the formative period of life.

INDIVIDUAL TRAINING Since no two men are alike, each student needs the particular care and oversight of his instructors during his entire college course. With a small student body and an ample number of professors such oversight is possible, and the unusual success of Middlebury's graduates is believed to be due to its maintenance. For the more certain continuance of this success, the College reserves the right to request the withdrawal, even though no specific charge is made against him, of any student whose presence is considered detrimental to its welfare.

HEALTH MEASURES The College aims to investigate and care for the health of each student. The Department of Physical Education commands the services of a professor and assistants. The attendance of Freshmen is required at such lectures on personal hygiene as may be announced by the Director of Physical Education. Every Freshman is given a thorough Physical Examination, which may be repeated at the discretion of the Director; measurements and records are kept, corrective exercises are prescribed where needed, and students are encouraged to organize

and carry on a great variety of out-of-door sports under the general charge of the Director. The importance to the student of laying a sound physical foundation during the years of the college course cannot be over-estimated, and the College reserves the right to ask the withdrawal of any student whose physical condition is unfit.

Competent athletic coaching is provided and inter-collegiate games are scheduled in the major sports of football, baseball, and track. Intramural games are also organized, and interscholastic contests are a feature of Junior Week. A fund of \$65,000 has been established by Hon. A. Barton Hepburn for the promotion of the major sports. General supervision of athletics is exercised by the Athletic Council, composed of members of the Faculty, alumni and students, Professor Phelps N. Swett, Chairman.

The desirability of carefully mapping out one's life work is impressed upon all students, and college instructors give freely of their time and advice in aiding students to a wise arrangement of their studies. The first object of a college course should be that development of mind and personality which will enable one to lead a life of greater usefulness; but success is more likely to attend the student who, in seeking that development, strives to fit himself for some particular field of service. For many, college must lead to immediate employment in business or education, and every year Middlebury College has requests for men; for others, the college leads to later technical or professional studies, such as engineering, law and

medicine. For the convenience of both types of student, several special programs of study have been organized preparatory to those employments which the majority of Middlebury College graduates enter. A bulletin entitled "Programs for College Students" will be sent upon request.

ADMISSION

GENERAL INFORMATION

STUDENTS are admitted to Middlebury College either by certificate or by examination. Applications should be sent to the Dean. After applications have been received the necessary blanks for admission by either method will be sent. Certificates are always sent to the principal of the school; other blanks are sent to the applicant.

CERTIFICATION

REQUIREMENTS FOR CERTIFICATION

FOR admission by certificate 15 points or admission credits are necessary. A point is a preparatory school subject pursued one year with five recitation periods a week. These preparatory school subjects are, for purposes of admission to college, grouped under three heads: required points, optional points, and free choices.

I. Required points:

- a. Of all students, English, 3 points; Algebra, 1 point; Geometry, 1 point.
- b. Of A. B. students, Latin, 4 points, or Greek 3 points.
- c. Of B. S. students, Foreign language, 2 points.

II. Optional points:

Three points from the following groups of options are to be chosen by both A. B. and B. S. students.

Group 1.	Group 2.	Group 3.
<i>Languages</i>	<i>History and Social Science</i>	<i>Science</i>
Latin	Ancient History	Mathematics
Greek	Medieval European	Chemistry
French	History	Physics
German	Modern European His-	Biology
Spanish	tory	Physiology
	English History	Physiography
	American History	Botany
	Bible	Zoology
	Civics	Drawing
	Economics	
	Social Science	

III. Free choices:

The remaining points are to be chosen from any subjects taken in the preparatory school and not already used in making up the required and optional points.

ELIGIBILITY FOR CERTIFICATION

Students in New England from schools upon the approved list of the New England College Entrance Certificate Board will be admitted on certificate of their high school principals. *No total certification for less than eight points will be considered*, but the eight points need not all be from the same school.

Schools not upon the approved list of the Certificate Board, but meeting its requirements in respect to curriculum, teaching staff and equipment, may, for the purpose of showing their standard of certification, send one or more students on certificate, if arrangements for so doing are concluded with the Board before April 1. Inquiries on this subject may be addressed to Dean Frank W. Nicolson, Secretary of the Board, Wesleyan University, Middletown, Connecticut.

Students outside of New England from schools upon the approved list in their respective states will be ad-

mitted on the same basis as those from approved schools in New England.

Students who have taken the examinations of the College Entrance Examination Board may present certificates from the Board and will be given credit for all courses in which they have attained 60 per cent. All applications for Board examinations, which will be held in June, 1922, must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, and must be made upon a blank form to be obtained from the Secretary of the Board, for examinations at points in the United States on or east of the Mississippi River. The examination fee is \$9.

Students who have passed the examinations of the Board of Regents of the State of New York will be credited upon certificate for all such courses.

ENTRANCE CONDITIONS

Students entering by this method may matriculate conditioned three points. Not more than one of these conditions may be in required subjects and not more than two in optional subjects; but no conditions will be allowed in required subjects in which the candidate has no preparatory school record.

The methods by which entrance conditions may be removed are as follows:

a. By examination. The regular entrance examinations of June and September furnish convenient opportunities for those wishing to avail themselves of this method.

b. By an average of 80 per cent in all the work of either semester of the Freshman year, which will re-

move entrance conditions not exceeding two points for each semester, provided the student's grade in no subject falls below 70 per cent.

c. By the operation of the following rule: Entrance conditions remaining at the opening of a student's second year will be cancelled by deducting three credits from his college record for each unit or fraction thereof; but this shall not be construed as prejudicing any work that he may have done toward satisfying major and minor requirements, or in meeting his prescribed courses. After the opening of his second year, no student may take an examination to remove entrance conditions.

Students who have only partial certification totaling eight points or more may make up deficiencies by examinations covering the points in which they are not certified; or they may enter wholly by examination.

SPECIAL CERTIFICATION

Students who have graduated from any approved high school in the first third of the class and whom their principals will certify upon the general record of their courses rather than in individual subjects may be admitted provided they have satisfied the required points as stated above for entrance upon the work of either degree. A detailed statement of the high school course will be accepted in each case by the Admission Committee as satisfying the remaining points up to fifteen provided it shows that the student has included in his course the following list of subjects or their equivalents: 4 years of English; 2 years of Mathematics; 2 years of a foreign language, 1 year of history, 1 year of natural science. No conditions will be allowed.

EXAMINATIONS

STUDENTS desiring to enter Middlebury College by the examination method alone (1) must present evidence of an approved school course satisfactorily completed and (2) must show in four examinations that their scholarship is of satisfactory quality. Examinations are held at Middlebury in June and September. It is also possible to take the examinations in June under the supervision of the candidate's high school principal.

THE SCHOOL RECORD

An official detailed statement must be presented to the Admission Committee showing that the candidate has satisfactorily completed an approved secondary school course and that this course has included the following list of subjects or their equivalents: 4 years of English, 2 years of mathematics, 2 years of a foreign language, 1 year of history, 1 year of natural science. This statement should include a recommendation of the candidate for the examinations signed by the principal or his accredited representative.

THE EXAMINATIONS

If the candidate's school record is satisfactory, he may present himself for examination in four subjects, as follows:

1. English.
2. Latin or Greek, if an A.B. student; mathematics, if a B.S. student.
3. Two other subjects chosen from the following groups but not from the same group.

Group 1.	Group 2.	Group 3.
<i>Languages</i>	<i>History and Social Science</i>	<i>Science</i>
Latin	Ancient History	Advanced
Greek	Medieval European	Mathematics
French	History	Chemistry
German	Modern European His-	Physics
Spanish	tory	Biology
	English History	
	American History	

The scope of these examinations is as follows: English, 4 years; Latin, 4 years; Greek, 3 years; Mathematics, 2 years; optional subjects, language a minimum of 2 years; History and Science, a minimum of 1 year; Mathematics a minimum of half a year.

Under this plan no entrance conditions can be incurred; either the candidate will be admitted without conditions, or he will be refused admittance. His total record, including both his school record and the result of his examinations must clearly show that he is a desirable student. In order to assure this each person who examines the papers of any candidate will be furnished with a copy of the candidate's school record and will return to the Admission Committee with the candidate's paper a judgment upon it in which the candidate's school record is taken into account. As the examinations and the school record furnish the Admission Committee with the data necessary for estimating the candidate's ability at a certain time to do college work, he will under ordinary circumstances not be allowed to repeat the examinations until sufficient time has elapsed to assure his improvement by further study; nor will he be allowed to distribute the examinations over an extended period of time. For the same reason, if he finds it necessary to repeat the examinations, all of them must

be repeated. So many factors must be considered, of which the examinations are only one, that no record in individual examinations will be given out. The student stands or falls upon the record as a whole.

ADVANCED STANDING

A CANDIDATE for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, if he presents a detailed statement of his previous work. This statement should include a full list of preparatory subjects accepted for admission by the institution previously attended, and also a list of the subjects taken there for which credit has been attained. A letter of honorable dismissal from the institution last attended also must be presented, and no student who has been separated from another institution for reasons of scholarship will be granted any academic favor that would not be extended by the institution from which he has been separated.

Every other candidate for admission to advanced standing must first satisfy the entrance requirements of the course which he desires to enter. Such students will be required to pay a fee of \$5 if admitted to the Sophomore class, or \$10 if admitted to higher rank. Students who have gained credits toward admission to college in any study which is offered in the curriculum will ordinarily be required to elect some other study in its place. This may be an advanced course in the same department or a course in some other department.

A Freshman who is admitted to college without a condition may request of the Registrar, within two

weeks of the time when he registers, that he be given an examination for college credit in any subject of the Freshman year. If he passes such an examination with a grade of 75 per cent, credit will be allowed for the course toward either degree. A student who passes any subject in this manner will be required to carry the normal number of recitations a week from the studies open to election by his class.

A student satisfying his instructor of his fitness to do so, may take a qualifying examination in any subject of the Freshman year, which, if passed, will be accepted as prerequisite to the succeeding course, but will not entitle him to college credit for the examination so passed. An examination in Mathematics or Latin so passed will apply toward meeting the mathematical or classical requirement for a degree.

THE COLLEGE CURRICULUM

BACCALAUREATE DEGREES¹

MIDDLEBURY COLLEGE confers the degrees of Bachelor of Arts and Bachelor of Science in accordance with the following regulations:

Every candidate for the degree of Bachelor of Arts shall before graduation complete a major in either Group One or Group Two, a minor in each of the two groups in which he does not major, one year of English, and two years of Greek or Latin.

Every candidate for the degree of Bachelor of Science shall before graduation complete a major in either Group Two or Group Three, a minor in each of the two Groups in which he does not major, one year of English and two years of Mathematics.²

REGISTRATION

EVERY student must register his election of courses before the beginning of each semester, at dates which are announced in advance. Upon the payment of his semester bills, admittance cards are issued to the courses elected. No student will be enrolled in any course until the instructor in charge receives a card from the Registrar admitting him to that course.

ADVISERS

To give students that individual assistance which is necessary to a wise selection of courses, and to prevent

¹The regulations governing the attainment of the degrees of Master of Arts and Master of Science will be found in p. 92-94.

²Any B. S. student may substitute Physics 1-2 or Biology 1-2 for the second year of the Mathematics requirement.

errors, all elections made by students must be endorsed by an Adviser. This must be done before the Registrar will issue Admission Cards to the courses.

ORGANIZATION OF COURSES

In explanation of the requirements, it should be noted that the courses of instruction offered by Middlebury College are organized in departments. These Departments are arranged in three *Groups*, as shown in the following table:

<i>Group One</i>	<i>Group Two</i>	<i>Group Three</i>
English	Economics	Biology
French	Fine Arts	Chemistry
German	History	Drawing and Surveying
Greek	Music	Geology
Latin	Pedagogy	Mathematics
Spanish	Philosophy	Physics
	Physical Education	
	Political Science	

Most of the courses of instruction offered in the various departments are lettered A, B, or C. These letters refer to the evaluation of the courses so lettered in completing *major* and *minor* requirements; admission to courses of advanced grade is gained only by completing one or more appropriate courses of more elementary grade which are designated *prerequisites*.

PROGRAMS OF STUDY

STUDENTS who come to college for definite preparation in a special field of work may elect one of the special-four-year programs¹ that have been arranged in

¹The details are given in a bulletin, "Programs for College Students," which will be sent upon request.

EDUCATION

BUSINESS, LAW AND POLITICAL SCIENCE

PRE-MEDICAL AND PHYSICAL EDUCATION

SOCIAL AND RELIGIOUS SERVICE

CHEMISTRY AND CHEMICAL INDUSTRY

ENGINEERING AND FORESTRY

These programs are arranged to meet all the graduation, major, minor, and distribution requirements. The choice of one of these programs, therefore, will simplify the election of courses for any student whose needs they meet. A student, however, is not required to elect one of the special programs but may follow the general requirements for the election of studies if he prefers.

FRESHMAN YEAR

EVERY candidate for the degree of Bachelor of Arts is required to begin his classical requirement for graduation in the Freshman year. This is Latin 1-2, or Greek 1-2, or Greek 13-14. Every candidate for the degree of Bachelor of Science is required to take Mathematics 1-2 or 1b-2b in the Freshman year. All Freshmen must complete the requirement of fifteen hours a week by electing from the courses open to their class. Students in the first semester of the Freshman year are limited to five courses, double courses in language counting as two. Freshmen in the first semester may take practical work in music, but without college credit. To take six courses in any subsequent semester a student must have attained an average of 75 per cent in the courses of the previous semester; to take seven courses he must have obtained an average of 80 per cent,

MAJORS AND MINORS

BEFORE the completion of his Freshman year, every student is expected to determine in a general way the subjects of study which he intends to pursue during the remainder of his college course. The fields which have a special interest for him he indicates by registering his choice of *one major* and *two minors* to be completed before he graduates.

A major may be defined as a subject which a student elects to pursue in college through six lettered courses (18 hours) of one department, of which not more than two courses may be of A grade and not less than two shall be of C grade. A few courses may be counted toward fulfilling requirements in either of two departments. These are specified in the descriptions of such courses.

A minor consists of a subject which a student elects to pursue in college through four lettered courses (12 hours) of one department, of which not more than two courses may be of A grade. Lettered courses that have been taken in the Freshman year may be counted toward fulfilling major and minor requirements.

DISTRIBUTION OF WORK

WHILE the selection of major and minor subjects enables each student to concentrate his attention upon those fields which have particular interest for him sufficiently to secure in them a higher degree of attainment than in others in which specialization does not proceed so far, he should be equally solicitous of securing a sufficient distribution of electives to obtain for himself

that variety of interests and breadth of view which graduation from a college of liberal arts implies.

To accomplish this a distribution requirement is operative which makes it necessary for each student to complete not less than six courses in each of the three groups and does not permit him to count towards a baccalaureate degree more than twenty courses (one-half of his entire course) in any one group. This regulation, however, does not restrict qualified students from taking extra courses in a group, either for honors or to apply towards a Master's degree.

ELECTIVE COURSES

THE major and minor requirements involve less than one-half of the total number of credits required for graduation and permit the student, therefore, a wide range of free electives. The remaining credits necessary for graduation may be obtained by completing any of the courses, within the limits of the distribution rule described above, which are open to election by the class of which the student is a member. With few exceptions, courses are open to election by two classes and a large number may be elected by three classes. A few courses are unlettered; these may be chosen in the years designated and will be counted for credits toward graduation like other courses, but may not be counted toward fulfilling major and minor requirements except by special permission of the Curriculum Committee. Before registering, a student should consult carefully the hours at which the different courses are scheduled to recite.

No change of studies will be allowed during the first

week of class-room work except by permission of the Chief Adviser. After the first week of class-room work, no change may be made except by permission of the Chief Adviser and the instructors involved, and upon payment of a fee of \$1.00 to the Registrar at the time the change is made. After the second week of class-room work, no change may be made except within a department and upon the initiative of the instructor.

RECITATION REQUIREMENTS

THE student's work is estimated in hours and credits. An hour means one period of class work per week for one semester. Laboratory courses require double periods but are rated the same as recitation courses. The normal number of courses of study required of each student is five.¹ The circumstances under which more or less than this number may be taken are explained elsewhere. All courses, unless otherwise stated, are conducted three hours a week, so that the normal amount of class-room work required is fifteen recitation hours a week, exclusive of preparation.

While the amount of time required for thorough preparation differs in different studies and for different students, every student should allow two hours of time for the preparation of each hour of recitation, except in laboratory courses, and the best results of collegiate training cannot be expected from less.

¹In the case of students beginning French or Spanish this is reduced to four, since beginners' courses in these languages recite six instead of three times per week.

REQUIREMENTS FOR GRADUATION

WHEN satisfactorily completed, each hour of recitation a week for each semester counts one credit toward graduation. One hundred and twenty credits of appropriately selected work, exclusive of that required by the Department of Physical Education for Freshmen, must be completed for the attainment of either of the baccalaureate degrees.

In the last semester of his course a student may have permission, at the discretion of the Chief Adviser, to take one more course than the number to which he is entitled by his grades, if necessary to complete 120 points in that semester. Previous to that semester seven is the highest number of courses that may be taken at one time. Students are charged \$10 a semester for each extra course; from the next academic year, 1922-23, this fee shall be \$15.

DEPARTMENTS AND COURSES OF INSTRUCTION

EACH course, unless otherwise specified, meets three times a week. The Arabic numerals preceding the courses indicate the registration number of the courses in 1921-22. Courses bearing odd numbers are given in the first semester, those bearing even numbers in the second. The capital letter following the title of a course indicates the grade of that course.

Unlettered courses cannot be counted toward the completion of majors and minors except by special permission of the Curriculum Committee. Prerequisite courses are shown in parentheses. A hyphen between two course numbers signifies that both are prerequisite. *Bracketed courses are not given in the current year.* Not more than two courses in one department may be taken at the same time except by permission of the Administration Committee. Freshmen may not take more than one course in English in each semester. In any modern language, students of any class will be assigned to those courses for which, in the judgment of the instructor, they are best fitted.

BIBLE STUDY

Professor HARRINGTON

See History 15-16.

BIOLOGY

Professor MILLS

Professor LONGWELL

Professor TERRY

1, 2. GENERAL BIOLOGY. A

A general cultural course dealing with fundamental biological laws and the interrelations of plants and animals. A part of the laboratory work of the fall and spring months will be done out of doors.

Laboratory fee, \$5 for each semester.

Professor MILLS.

3, 4. STRUCTURAL AND SYSTEMATIC BOTANY. B

Intended as a general cultural course, showing the vital importance of botany to modern life; also as a preparation for teaching botany. Includes a survey of the plant kingdom beginning with the lower forms. (Biol. 1-2.)

Laboratory fee for each semester.

Professor MILLS.

5, 6. COMPARATIVE ANATOMY OF VERTEBRATES. B

This course offers to the general and the pre-medical student a comprehensive knowledge of vertebrate structure, with special reference to man, together with adaptions and evolution. Dissection of selected examples. (Biol. 1-2.)

Laboratory fee, \$5 for each semester.

Professor LONGWELL.

7, 8. BACTERIOLOGY. C

The principles of bacteriology and their application in the household, in sanitation, medicine, and various agricultural and industrial processes. This course aims to give students a general knowledge of bacteria, with laboratory technic for the study of species and the bacteriological examination of soil, air, water, milk, and sewage. (Biol. 1-2.)

Laboratory fee, \$5 for each semester.

Professor LONGWELL.

9, 10. EMBRYOLOGY AND HISTOLOGY. C

A study of the development of the human body. It treats of the reproductive cells, maturation, fertilization, cleavage,

and the development of the principal organs. The laboratory work consists of practical histological technic, a study of the elementary tissues, early stages in the development of the chick, dissection and study of the later embryonic stages of the pig. (Biol. 6.)

Laboratory fee, \$5 for each semester.

Professor LONGWELL.

11. PLANT HISTOLOGY. C

Tissues and tissue systems of spermatophytes. Principles and methods of killing, fixing, imbedding, sectioning, staining and mounting. (Biol. 3-4.)

Laboratory fee, \$5.

Professor MILLS.

12. PLANT PHYSIOLOGY. C

A course for students who expect to teach botany or pursue work in agriculture, forestry, or plant pathology. (Biol. 3-4.)

Laboratory fee, \$5.

Professor MILLS.

13. INVERTEBRATE ZOOLOGY. B

A study of invertebrate animals, with special emphasis upon protozoa and insects. Their structure, habits, and relationships. Laboratory examination of typical representatives. (Biol. 1-2.)

Laboratory fee, \$5.

Professor LONGWELL.

14. PHYSIOLOGY AND HYGIENE. A

Designed to give a general knowledge of the function and hygienic relations of the organs of the human body, with special reference to the subsequent study of psychology, dietetics, physical education, and medicine. (Desirable antecedents: Biol. 6, Chem. 1-2.)

Laboratory fee, \$5.

Professor LONGWELL.

16. GENETICS. C

Theories of organic evolution; the principles of variation, selection, and heredity; the material basis of heredity; Mendelian inheritance and the application of its principles in animal and plant breeding and eugenics. (Biol. 3-4 or 5-6: Permission of instructor.)

Professor MILLS.

18. PRINCIPLES OF FOREST MANAGEMENT. C

An introduction to the study of forestry and forest management. The silvicultural systems of management and the methods of regulating the yield in order to obtain a continuous production of forest crops. Methods of forest valuation. The practice of forestry in Europe and America. The organization of the United States Forest Service and its administration of the National Forests. State and private forestry in this country.

Professor TERRY.

CHEMISTRY

Professor VOTER

Professor DAVIS

Mr. KLEINSPEHN

1, 2. GENERAL CHEMISTRY. A

Introduction to the fundamental principles of general chemistry with the preparation and study of the elements and their more common compounds in the laboratory.

Laboratory fee, \$16 for the year and breakage.

Professor VOTER.

3, 4. QUALITATIVE ANALYSIS. B

Lectures on the applications of Physical Chemistry to Qualitative Analysis and discussions of the scheme. Laboratory work in the complete analysis of unknown solutions and solids, including salts, alloys and minerals. (Chem. 1-2.)

Laboratory fee, \$16 for the year and breakage.

Mr. KLEINSPEHN.

5, 6. QUANTITATIVE ANALYSIS. C

Laboratory work and lectures dealing with the general methods of Quantitative Analysis, gravimetric, volumetric, and electrolytic. (Chem. 3-4.)

Laboratory fee, \$16 for the year and breakage.

Professor VOTER.

7, 8. INDUSTRIAL CHEMISTRY. C

Lectures on the principal chemical industries, such as fuels, acids, gases, coal tar, etc. A study of the chemical reactions and apparatus used on a commercial scale. No laboratory work. This course alternates with Chem. 13-14. (Chem. 5-6, 9-10.)

Laboratory \$6, fee for the year

Professor VOTER and Mr. KLEINSPEHN.

9, 10. DESCRIPTIVE ORGANIC CHEMISTRY. C

Lectures on the carbon compounds. The methods of synthesis, properties, structure, industrial application, and physiological action of the more important members of the different homologous series are studied in detail. Laboratory work during the year. (Chem. 3-4, at least simultaneously.)

Laboratory fee, \$20 for the year and breakage.

Professor DAVIS.

11, 12. ADVANCED ORGANIC CHEMISTRY AND ORGANIC PREPARATIONS. C

Advanced lectures on the carbon compounds and the principles of organic synthesis. Laboratory work in the preparation of typical organic compounds. Ultimate analysis. (Chemistry 9-10 and 5-6, at least simultaneously.)

Laboratory fee, \$20 for the year and breakage.

Professor DAVIS.

13, 14. ADVANCED INORGANIC AND PHYSICAL CHEMISTRY. C

Lectures on the properties of the elements and their compounds from the standpoint of the periodic classification.

The lectures of the second semester deal entirely with the theory and problems of Physical Chemistry. This course alternates with Chemistry 7-8. (Chem. 3-4.)

Mr. KLEINSPEHN.

21, 22. BIOLOGICAL CHEMISTRY. B

Lectures and laboratory work. A brief survey of Qualitative Analysis, Descriptive Organic and Biological Chemistry. This course is designed especially for students who wish to specialize in the Department of Home Economics. (Chem. 1-2.)

Laboratory fee, \$16 for the year and breakage.

Professor DAVIS and Mr. KLEINSPEHN.

DRAWING AND SURVEYING

Professor SWETT

1, 2. MECHANICAL DRAWING. A

Lettering; applied geometry; orthographic projection; developed surfaces and intersections; pictorial representation; working drawings; technical sketching; tracing and blue-printing.

Instrument fee, \$4 for the year.

[3, 4. DESCRIPTIVE GEOMETRY. B]

Problems relating to lines and planes; to single curved, double curved, and warped surfaces; intersection of solids. (D. and S. 1-2, permission of instructor.)

Instrument fee, \$4 for the year.

3a, 4a. MECHANISM, AND ENGINEERING DRAWING. C

Motions and forms of various mechanisms occurring in machines; gear-teeth and the design of valve gears for steam engines. The drawing includes practical problems supplementing the mechanism, also machine drawing. (D. and S. 1-2.)

Instrument fee, \$4 for the year.

5, 6. SURVEYING AND TOPOGRAPHY. B

Lectures, field work and drafting. Use, adjustment, and care of instruments; surveying methods; computations; plotting; topographical drawing; military map making and sketching. (D. and S. 1-2, and Trig.)

Instrument fee, \$2 for the year.

7, 8. ADVANCED SURVEYING. C

Methods of topographic and geodetic surveying; mathematics of curves, with application to highways and railroads. (D. and S. 5-6.)

Instrument fee, \$2 for the year.

NOTE. Students who expect to take a course in a school of technology after graduation should consult Professor Swett in regard to their election of subjects.

ECONOMICS

Professor MACDONALD

1. PRINCIPLES OF ECONOMICS. A

An introductory course giving a systematic survey of the general field of economics. Basic concepts; characteristics of the present economic system; the production and consumption of wealth, exchange; value, and price; money and banking; international trade.

2. PRINCIPLES OF ECONOMICS. B

Continuation of Course 1 in the second semester. The distribution of wealth: rent, wages, interest, profits; socialism; selected economic problems; taxation and public expenditures.

5. PUBLIC FINANCE. C

Government receipts and expenditures; taxation; public debts; financial administration. (Econ. 1-2.)
Courses 5 and 7 are given in alternate years.

[7. RAILROAD TRANSPORTATION. C]

The mechanism of the railroad; the present railroad system in the United States; railroad securities; rate-making; the freight, passenger, express, and mail service of the railroads; pooling and inter-railway agreements; railroads and the State; present problems. (Econ. 1-2.)

Courses 7 and 5 are given in alternate years.

II. MONEY AND BANKING. B

Functions of money; the monetary system of the United States; money and prices; functions of the bank; foreign exchange; foreign banking systems; the Federal Reserve System. (Econ. 1-2.)

12. CORPORATION FINANCE. C

The business corporation; promotion; sources of corporate funds; investment of capital funds; dividends, surplus and reserve accounts; financial abuses; receivership. (Econ. 1-2.)

14. MARKETING. B

A survey of marketing methods and problems. Raw materials; various types of middlemen; defects in the marketing of raw materials; marketing of manufactured goods; the wholesale and retail trade; sales management; price policies, brands and trade marks; advertising. (Econ. 1-2.)

Courses 14 and 18 are given in alternate years.

[18. ACCOUNTING. B]

The fundamentals of accounting; interpretation of debit and credit; the operating statement; content of common accounts; the principles of bookkeeping method; corporation accounts; interpretation of financial statements. (Econ. 1-2.)

Courses 18 and 14 are given in alternate years.

21. SOCIOLOGY. B

Basis of society; social evolution; social institutions; social control; modern social problems. (Econ. 1-2.)

22 LABOR PROBLEMS. B

Labor organizations; protective legislation for employees; conciliation and arbitration; woman and child labor; the sweated industries; immigration; unemployment. (Econ. 1-2.)

NOTE. Students desiring to major in this department may arrange with the instructor for special work in connection with courses 11, 14, 18, and 22, which will enable any of them to be counted as C grade.

ENGLISH

Professor CADY

Professor SKILLINGS

Professor DAVISON

1, 2. FUNDAMENTALS OF LITERATURE. A

An introductory course in the study of the fundamental ideas with which the great poets of English literature have been concerned, with attention to written and oral composition. Prerequisite to all other courses in the Department.

Professor CADY, Professor SKILLINGS, Professor DAVISON.

5, 6. ENGLISH PROSE OF THE NINETEENTH CENTURY. C

A study of certain notable utterances of writers from Coleridge to Robert Louis Stevenson, to determine their chief characteristics as stylists and the nature of their contributions to nineteenth century thought. (English 1,2.)

Professor SKILLINGS.

7, 8. AMERICAN LITERATURE. C

A study of the main currents of literary thought in America, with special emphasis on selected works of the major writers of the nineteenth century. (English 1,2.)

Professor DAVISON.

9, 10. SHAKESPEARE. C

A study of all the plays of Shakespeare. (English 1,2.)

Professor CADY.

11. THE ENGLISH LANGUAGE. C

A course intended to quicken interest in the mother tongue. Such topics are treated as the growth of the language, points of modern usage, word study, the language as reflecting the genius of the English-speaking peoples, and American English. (Any two courses above grade of A.)

Professor SKILLINGS.

12. CHAUCER AND HIS TIME. C

The main emphasis of study will be on Chaucer as the first great type in English poetry. (Any two courses above grade of A).

Professor SKILLINGS.

15, 16. FUNDAMENTALS OF COMPOSITION. B

A course in writing based upon the critical examination of a group of models, and emphasizing the processes of composition. (English 1, 2.)

Professor CADY.

21, 22. SPEAKING. B

A study of the principles of effective speaking, with drill in the preparation and delivery of practical speeches. (English 1, 2.)

Professor DAVISON.

[23, 24. DEBATING. C]

A study of the principles of argumentation and the psychology of public speaking, with laboratory work in debating. To be offered in 1922. (English 21, 22.)

Professor DAVISON.

27, 28. MODERN DRAMA. C

A study of the development of the drama in Europe and America since Ibsen. (Any four courses in English.)

Professor CADY.

29. THE APPRECIATION OF POETRY. C

The course aims to develop an intelligent enjoyment of poetry both by a study of the technical principles of poetry as an art and also by an examination of its imaginative and spiritual elements. (Any four courses in English.)

Professor SKILLINGS.

30. CARLYLE AND RUSKIN. C

A study in each instance of the man and his message. (Any four courses in English.)

Professor SKILLINGS.

31. RECENT AMERICAN LITERATURE. C

A study of representative contemporary American poetry. (English, 7, 8.)

Professor DAVISON.

FINE ARTS

Professor SANFORD

Professor BURRAGE

1. GREEK ART.

Instruction is given by lectures and stereopticon talks, supplemented by extensive reading on the student's part. Written tests come every two weeks. The art and civilization of Assyria, Egypt, and other nations whose work had a formative influence on the Greeks are treated extensively by way of introduction to Greek art proper.

Professor BURRAGE.

2. ROMAN, MEDIEVAL AND MODERN ART.

The buildings and statuary of Ancient Rome and its Colonies. Outlines of architecture, sculpture, and painting through the early Christian, Byzantine, Romanesque, and Renaissance Periods. Tendencies in architecture, sculpture, and painting at the present time. Instruction by lectures and stereopticon talks.

Professor SANFORD.

FRENCH

Professor ROBINSON

Assistant Professor FORBUSH

1a, 2a. BEGINNERS' FRENCH.

A careful drill in pronunciation, elementary syntax, reading, and conversation. This course will be conducted in French so far as is practicable. Six hours a week.
Professor ROBINSON.

3, 4. INTERMEDIATE FRENCH. A

Thorough review of grammar; conversation; dictation; retroversion; reading. (French 1a-2a, or two years of preparatory school French.)
Assistant Professor FORBUSH.

5, 6. CONTEMPORARY FRENCH. B

Modern prose, poetry, and the drama, supplemented by a study of some of the more representative French reviews and newspapers, with weekly exercises in writing French. (French 3-4, or three years of preparatory school French.)
Professor ROBINSON and Assistant Professor FORBUSH.

15, 16. HISTORY OF FRENCH LITERATURE. C

A general survey of the French Literature from its beginnings to the twentieth century. (French 3-4, or equivalent; ability to understand spoken French.)
Assistant Professor FORBUSH.

17, 18. THE FRENCH NOVEL. C

A study of the development of the Novel in France from the seventeenth century to our era. (French 5-6, or equivalent; ability to understand spoken French.)
Professor ROBINSON.

While independently conducted, the Department of French and the French School maintain reciprocal re-

lations as to courses of study. That is, students in the Department of French whose qualifications permit may elect from the courses offered in the French School, while students of the French School may elect, with the permission of the instructor, courses of C grade offered by the Department of French.

The French School is primarily a training school for teachers of French, originating in the Summer Session, and first continued through the academic year of 1919-1920. Its headquarters is La Maison Française de Middlebury College, a former hotel situated on Park Street, a short distance from the College, which has been transformed into a characteristic French home for graduate and advanced students of the language who desire to pursue their study in residence. French alone is the language of the French School. College students desiring residence there are accommodated so far as the facilities permit.¹ (For rates, see page 81.)

THE FRENCH SCHOOL

Professor WILLIAMSON DE VISME, Dean
MADAME WILLIAMSON DE VISME
Mademoiselle GERMAINE LE COSSEC

FIRST SEMESTER

21g. HISTORY OF FRANCE. C

French government and political institutions; social and religious conditions; industries. Special attention paid to the literature of the periods studied. Recommended for students who are preparing to teach French.

Mlle. LE COSSEC.

¹A Special Bulletin for the French School has been issued, and it will be mailed upon request addressed to the Dean of the French School.

23g. THE STUDY OF FRENCH POETRY. C

This course deals with the main aspects of poetry in France from the sixteenth century down to the present time. Special study of classic verse.

Professor WILLIAMSON DE VISME.

25g. ADVANCED GRAMMAR. C

A systematic review. Courses designed for those preparing to teach French.

Mlle. LE COSSEC.

31g. GEOGRAPHY OF FRANCE. C

This course is a basis for a better understanding of the history and literature of France. If possible it should be taken in connection with the course in French History.

Madame WILLIAMSON DE VISME.

33g. COMPOSITION. C

Advanced course. Practice in writing idiomatic French. A study of synonyms, style, and sustained writing.

Madame WILLIAMSON DE VISME.

39g. CONVERSATION AND COMPOSITION. C

A teachers' course. A careful study of vocabulary building, oral narration, dictation. Object lesson work.

Professor WILLIAMSON DE VISME.

41g. PHONETICS. C

Comparative, analytical, and synthetical study of French sounds, with aural, oral and written drills. A course for teachers and those preparing to teach French. The French School will give no recommendation to those who have not taken and passed this course in Phonetics.

Professor WILLIAMSON DE VISME.

SECOND SEMESTER

22g. HISTORY OF FRANCE. C

Continuation of course 21g.
Mlle. LE COSSEC.

28g. EXPLICATION DE TEXTES. C

A study of one or more representative French texts. This course is especially useful to those intending to teach the Direct Method.
Mlle. LE COSSEC.

34g. COMPOSITION. C

Continuation of course 33g.
Madame WILLIAMSON DE VISME.

36g. MOLIÈRE. C

A careful study of his comedies. Readings, lectures, and reports.
Professor WILLIAMSON DE VISME.

38g. LA FONTAINE ET SES FABLES. C

A study of the man and the writer. The Fables are also used as a means for the study of diction and interpretation.
Professor WILLIAMSON DE VISME.

40g. CONVERSATION AND COMPOSITION. C

Continuation of course 39g.
Professor WILLIAMSON DE VISME.

42g. PHONETICS C

Continuation of course 41g.
Professor WILLIAMSON DE VISME.

NOTE. Undergraduates may elect courses in the French School only after having obtained the written consent of the Dean. All courses in the French School are given in French.

GEOLOGY

Professor SWETT

1. GENERAL GEOLOGY. B

(a) Dynamical: the forces that have shaped and are now shaping the earth's surface. (b) Structural: the structure of the earth's crust and the more important rocks and minerals. Field trips. (Chem. 1-2 or Biol. 1-2.)

2. GENERAL GEOLOGY. B

(c) Historical: the history of the evolution of the earth and of the organic kingdom. (d) Introduction to Economic Geology. Field trips. (Geol. 1.)

GERMAN

Miss SCHÜLLER

1, 2. BEGINNERS' GERMAN.

Essentials of phonetics, drill in pronunciation and comprehending the spoken language; elements of grammar; reading of simple prose.

[1a, 2a. BEGINNERS' GERMAN.]

Six hours a week. This course may be elected as two courses each semester and counts six points toward the A. B. or B. S. degree.

3, 4. INTERMEDIATE GERMAN. A

Grammar review; conversation, free reproduction and composition based on texts read; memorizing of idioms; sight reading. (German 1a-2a, or two years of preparatory school German.)

5, 6. MODERN GERMAN PROSE. B

Reading in prose of varied style and subject matter to aid students in acquiring a large working vocabulary; practice in the fundamentals of grammar; outside reading. (German 3-4, or three years of preparatory school German.)

7, 8. THE CLASSIC PERIOD. B
(German 3-4, or three years of preparatory school German.)

[11, 12. NINETEENTH CENTURY LITERATURE. C]
(German 8.)

19, 20. SCIENTIFIC GERMAN. C
(Any B. course in German.)

GREEK

Professor BURRAGE

13, 14. BEGINNERS' GREEK. A

A course for those who wish to begin Greek in college. The course should fit the student to take up the regular Freshman Greek the following year.

1. COLSON'S GREEK READER AND THE GOSPEL OF MARK. B

(Greek 13-14, or its equivalent.)

2. THE GOSPEL OF MARK; HOMER'S ODYSSEY. B

In the *Odyssey*, the ethical import is kept carefully in view, and the conditions of the life described in the poem are illustrated by a consideration of archaeological discoveries. (Greek 1.)

(Greek 13-14 or Greek 1-2, or Latin 1-2 [are] required of A. B. Freshman.)

3. EURIPIDES' "IPHIGENIA AMONG THE TAURIANS"; LYRIC POETS. C

Lectures are given on the origin, history, and purpose of the drama. (Greek 1-2.)

4. PLATO'S APOLOGY. C

(Greek 1.)

5. SOPHOCLES AND AESCHYLUS. C

The *Electra* of Sophocles; the *Prometheus* of Aeschylus.

(Greek 3.)

6. ARISTOPHANES. C

The *Clouds* and *Birds*. (Greek 3.)

[7. PLATO'S REPUBLIC. C]

(Greek 3-4.)

[8. ARISTOTLE'S ETHICS. C]

Courses 7 and 8 alternate with 5 and 6. They afford students of philosophy and ethics a chance to read in the original tongue the two masterpieces of the two greatest minds of antiquity. The charm of the *Republic* as literature will receive special emphasis. (Greek 7.)

[10. THE GREEK DRAMA IN TRANSLATION.]

This course requires no knowledge of Greek. It lays a foundation for the study of the modern drama. The plays read either have value of their own or have exercised an influence on later writers.

HISTORY

Professor KLINE

Professor HARRINGTON

Professor WHITE

Mr. HOWES

1,2. MEDIEVAL AND MODERN EUROPEAN HISTORY. A

A general survey of European History from the fourth century to the present, tracing briefly the great changes during the Middle Ages and considering more thoroughly those

movements in modern times which have produced the Europe of the present.

Mr. HOWES.

3, 4. AMERICAN HISTORY. B

A survey of the social, industrial, and political development of the United States. (Hist. 1-2.)

Professor KLINE.

5, 6. ENGLISH HISTORY. B

A survey of the social, industrial, and political development of England. (Hist. 1-2.)

Mr. HOWES.

7, 8. MODERN EUROPE. B

The rise of democracy and nationalism. Special attention is given to the industrial revolution and its results, imperialism, and diplomacy. (Hist. 1-2.)

Mr. HOWES.

9, 10. THE UNITED STATES SINCE THE CIVIL WAR. C

A careful study of the later history of the United States. Special study is made of the Reconstruction period, the economic and industrial development including a study of contemporary problems and conditions. (Hist. 3-4.)

Professor KLINE.

11, 12. SEMINAR. C

An intensive study of some limited phase of history for the purpose of affording training in methods of historical research, critical evaluation of sources, and scholarly presentation of the results of historical investigation. (Two C courses; permission of instructor.)

Professor KLINE.

14. ANCIENT HISTORY. B

Development of ancient civilization, with special emphasis on Greece and Rome. Much attention is paid to the use of

sources, as being of extreme importance in supplying the proper view-point and stimulus, especially to those who are to teach ancient history in high schools. (Hist. 1-2.)
Professor WHITE.

15. OLD TESTAMENT PROPHETS. B

A study of the part which the prophets had in the national life of the Hebrew people and in the development of the Hebrew religion. (Hist. 1-2, or permission of instructor.)
A minor in History may be secured by passing History 15-16, Ancient History, and Roman Origins.
Professor HARRINGTON.

16. BEGINNINGS OF CHRISTIANITY. B

An inquiry into the origin of the Christian religion and its development up to the time of Constantine and the Council of Nicaea. (Hist. 1-2, or permission of instructor.)
Professor HARRINGTON.

18. THE TEACHING OF HISTORY. C

A course for students who intend to teach history in high school. (Two B courses.)
Professor KLINE.

19. THE DEVELOPMENT OF MODERN DEMOCRACY. C

A survey of the political development of modern nations, especially England and the United States, for the purpose of studying the gradual development of democratic institutions. (Two B courses in History or Political Science.)
Professor KLINE.

20. CONTEMPORARY WORLD POLITICS. C

A survey of the field of international relations with special reference to the problems arising out of the World War. (Two B courses)
Professor KLINE.

NOTE. Students desiring to major in this department may arrange with the instructor for special work in connection with courses 3, 4, 5, 6, 7, 8, and 14 which will enable any of them to be counted as of C grade.

LATIN

Professor SANFORD

Professor WHITE

1. LIVY. A

The second Carthaginian war. Translation, direct use of Latin, prose exercises, study of vocabulary, practice in verb forms, and development and use of cases.

Professor WHITE.

(*Latin 1-2 or Greek 1-2 or Greek 13-14 is required of A. B. Freshmen.*)

2. CICERO. A

Selections from the *Letters* and *De Amicitia*. The story of the struggle between Republic and Empire, with the fortunes of Caesar and Cicero as written in the *Letters*. Part of the recitation will be conducted in Latin. (Latin 1.)

Professor WHITE.

3. PLINY THE YOUNGER. B

Selections from the *Letters* are made, presenting a large number of references to life and customs, and intended to bring the student into close touch with the daily life of the Romans. Either this course or Latin 5 is requisite to all of the translation courses following. (Latin 1-2.)

Professor WHITE.

4. HORACE. B

Selected *Odes* and *Epodes*. Comparison of the odes with the lyrics in Latin, English and other languages. The debt of English poetry to Horace. Very careful preparation of notebooks is required. (Latin 3 or 5.)

Professor SANFORD.

5. TACITUS. B

The *Germania* and *Agricola*. Comparison of Tacitus with other writers of his time. A study of the Roman colonial

system. The history of the later Empire; the influence of Rome on the northern tribes. Library reading. (Latin 1-2.)
Professor WHITE.

6. SELECTIONS IN PROSE AND VERSE FOR ADVANCED STUDENTS. C

Various text books.
Professor SANFORD.

7. ROMAN COMEDY. C

The translation of the *Captivi* and *Trinummus* of Plautus, with rapid readings from the *Andria* of Terence and other comedies. (Latin 3, 4, or 5.)
Professor SANFORD.

8. AN HISTORICAL STUDY IN TACITUS. C

Professor WHITE.

11. ADVANCED LATIN PROSE FOR TEACHERS. C

A prominent feature of the course will be the actual use of Latin in conducting many of the class-room exercises. Based on Caesar's Gallic War. (One C Course.)
Professor WHITE.

12. THE TEACHING OF PREPARATORY LATIN. C

A study of methods and authors used, and teaching problems; the necessity of making Latin a live language; quality *versus* quantity; literary appreciation. This course may be counted toward a major in Pedagogy. (One C course.)
Professor SANFORD.

13. ROMAN ORIGINS. C

An outline story of our debt to the Roman nation. A summary of the reasons for the present place of Roman life and Latin in cultural and practical education. No knowledge of the language is required. This course, in combination with

History 14 and History 15-16, may be counted toward a minor in History.

Professor SANFORD.

[14. OUTLINES OF LATIN LITERATURE. C]

Professor SANFORD.

MATHEMATICS

Professor PERKINS*

Assistant Professor BONNEY

Mr. COOLEY

1. PLANE AND SPHERICAL TRIGONOMETRY. A

This course (or 1b) is required of B. S. Freshmen.

Assistant Professor BONNEY.

2. ALGEBRA. A

This course (or 2b) is required of B. S. Freshmen.

Assistant Professor BONNEY.

1b, 2b. ELEMENTARY MATHEMATICAL ANALYSIS. A

For students entering with thorough preparation in mathematics; permission of the instructor must be secured. A full year's credit in this course will be counted toward the B. S. requirement in place of 1-2 above.

Mr. COOLEY.

3. PLANE ANALYTIC GEOMETRY. B

(Math. 1-2.)

Assistant Professor BONNEY.

4. INTRODUCTION TO CALCULUS. B

The two fundamental operations of calculus, together with those applications most commonly encountered in applied mechanics, and the theory of electricity and magnetism. (Math. 1, 2, and 3.)

Assistant Professor BONNEY.

*On leave.

3b, 4b. APPLIED MATHEMATICAL ANALYSIS. B
(Math. 1b-2b.) Mr. COOLEY.

5, 6. DIFFERENTIAL AND INTEGRAL CALCULUS. C
A detailed course, taking up the more extended and difficult applications. (Math. 1, 2, 3, 4.)
Mr. COOLEY.

5b, 6b. APPLIED MATHEMATICAL ANALYSIS. C
A continuation of 3b and 4b.
Mr. COOLEY.

MUSIC

Professor HATHAWAY

Mr. LARSEN

Miss STOOLFIRE

Miss HAYDEN

1, 2. ELEMENTARY HARMONY. B

The first steps in the study of musical composition and of the analysis of musical works. The course embraces scales and signatures, triads and their progressions, modulation and suspensions, also the invention and harmonization of melodies and choral writing in four parts.
Professor HATHAWAY.

3, 4. ADVANCED HARMONY AND COUNTERPOINT. C
(Music 1-2.)
Professor HATHAWAY.

5, 6. MUSICAL APPRECIATION. A

This course is designed to develop, without going too deeply into technicalities, the ability to listen to good music. It aims to present, in untechnical language, an account of the evolution of musical art by analysis of the principal musical forms. Lectures on the development of instrumental music

and the opera; selections explained and illustrated at the piano and by victrola records; study of the lives of the great composers. No previous technical or theoretical knowledge is required for this course.

Professor HATHAWAY.

7, 8. MUSICAL MASTERPIECES. C

Harmonic and thematic analysis of some of the work of the world's greatest composers. (Music 1-2, 3-4, 5-6.)

Professor HATHAWAY.

PRACTICAL COURSES

9, 10. Individual instruction in the study of the pianoforte.
Professor HATHAWAY, Miss STOOLFIRE.

11, 12. Individual instruction in the study of the organ.
Professor HATHAWAY.

In the above courses, students may register for one or two lessons each week, but six hours practice are required weekly.

13, 14. Study of the Violin and Violoncello.
Mr. LARSEN.

15, 16. SINGING.
Private lessons in voice placing, interpretation and repertoire.
Miss HAYDEN.

17, 18. ORCHESTRAL PLAYING AND CLASSICAL MUSIC.
Study of orchestral technique and drill in ensemble playing. Weekly rehearsals. One college credit. (Permission of instructor.)
Mr. LARSEN.

The courses in the theory of music (1-8) will receive credit toward a degree and are subject to no additional fee. Practical work in music, taken in connection with the theoretical courses of the department, may be given two hours credit in each year.

The College Choir: The college choir holds two rehearsals weekly and sings at the chapel service each week-day and at the Sunday vesper service. Opportunity is given to study the works of the best composers of sacred music.
Professor HATHAWAY.

Orchestra: Drill in ensemble playing. Open to students of any class without fees. Rehearsals are held once a week. Regularity of attendance is required.
Mr. LARSEN.

The Men's Chorus: Drill in ensemble singing, study of the works of excellent composers as well as more popular songs for Glee Club programs. Weekly rehearsals. Creditable work in the Men's Chorus will be a prerequisite for eligibility to the Glee Club.
MR. LARSEN.

Charges for Practical Courses in Music

Piano instruction—per semester	
1 lesson weekly	\$32.00
2 lessons weekly	64.00
Daily practice period	8.00
Organ instruction—per semester	32.00
Daily practice period	12.00
Violin instruction—per semester	32.00
Vocal instruction—per semester	32.00

PEDAGOGY

Professor HOWARD

Professor KINGSLEY

I. INTRODUCTION TO PSYCHOLOGY. A

An elementary course, the basis of the courses in educational theory and practice that follow. It should be elected by all students intending to teach and as early in their program as is consistent with their other requirements. Pedagogy 1 is introductory to Pedagogy 2, Pedagogy 4, and Philosophy 2.
Professor HOWARD.

2. PRINCIPLES OF EDUCATION. A

A continuation of Pedagogy I, with special reference to the meaning, bases, aims, methods, and values of education, and the functions of organized schools. (Ped. I.)

Professor HOWARD.

4. PSYCHOLOGY OF THE HIGHER PROCESSES. B

A continuation of Pedagogy I, with particular reference to the more complex aspects of consciousness and the higher thought processes. (Ped. I.)

Professor HOWARD.

5, 6. PRINCIPLES AND PRACTICE OF TEACHING. SEMINAR. C

Study of types of teaching, types and functions of recitation, supervised study, collection and use of materials, use of teaching devices, general and special method, technique of instruction, text-book criticism, assignments and presentation of lessons and use of educational literature. Educational seminar in the second semester. (Two B courses in Pedagogy.)

Professor KINGSLEY.

7, 8. PROBLEMS OF SECONDARY EDUCATION. THE JUNIOR HIGH SCHOOL. C

The organization and administration of secondary schools. Types of current schools, with their aims, curricula, and management: problems of motivation, discipline, examination, grading, promotion, social hygiene, and utilization of school plant and community life. Special consideration will be given in the second semester to the Junior High School. (Any B course in Pedagogy.)

Professor KINGSLEY.

9, 10. EDUCATIONAL HISTORY AND THEORY. B

The development of the more permanent contributions to educational thought and practice, both in Europe and Amer-

ica, with special reference to the problems of modern democratic society. (Ped. 1-2.)
Professor KINGSLEY.

11, 12. EDUCATIONAL PSYCHOLOGY. C

A study of the forms of learning involved in the fundamental school subjects, with special problems involving laboratory practice. (Ped. 2 or 4.)
Professor HOWARD.

PHILOSOPHY

Professor HARRINGTON

1. INTRODUCTION TO PHILOSOPHY. A

A natural approach to the problems of Philosophy through a discussion of the common facts of human experience and an analysis of the college curriculum.

2. LOGIC. A

A study of the principles of sound reasoning, with concrete illustrations at every point and practice in the classroom.

5. ETHICS. B

An inquiry as to moral values, especially in their relation to self-realization; much reference to the practical activities and problems of everyday life. (Phil. 1 and 2, or Ped. 1 and Phil. 2.)

6. SOCIAL PHILOSOPHY. B

A study of the foundations on which social relations rest, the modes of association, and the principles of social ethics, with an examination of various ideal schemes of human society from Plato's Republic to the present time. (Phil. 1 and 2, or Ped. 1 and Phil. 2, or Econ. 7.)

7. HISTORY OF PHILOSOPHY. C

A survey of the work of the great thinkers and a tracing of the main currents of philosophic thought. (Phil. 5 or 6.)

12. ETHICAL DEVELOPMENT OF MANKIND. C

The course aims at securing some adequate conception of the moral life of the race, particularly as shown in its religious history. (Phil. 5 or 6 or 7.)

NOTE. Special permission may be given, in individual cases, to students to take Phil. 7 or Phil. 12, even if they have not had the prerequisites specified above, provided they have taken in other departments courses of equal grade and of such a nature as to have furnished the necessary preparation.

PHYSICAL EDUCATION

Professor BROWN

1m, 2m. PHYSICAL TRAINING AND HYGIENE.

A foundation course which includes gymnastics, athletics and games, with special emphasis on posture training. Lectures and recitations in hygiene.

Required of all Freshmen. Professor BROWN.

3m, 4m. GYMNASTIC TEACHING. A

Fundamental principles and methods; physiology of exercise and systems of gymnastics. Laboratory work consists of practice teaching of a graded course of physical drills, apparatus work, and games. Attention is given to the development of team games of low and high organization for use in school playgrounds and community centers and to the teaching of mass athletics.

Professor BROWN.

5m, 6m. ATHLETIC COACHING. B

Theory of coaching, designed to give a knowledge of the technique and strategy of football, baseball, basket-ball, and track athletics. It includes the rules and fundamental principles of each sport, methods of training, diet, treatment of injuries, equipment, etc.; how to play the various positions and perform the different track and field events, generalship, systems of attack and defense, signals, and plays. (Permission of instructor.)

Professor BROWN.

PHYSICS

Professor BRYANT

1, 2. GENERAL PHYSICS. A

An introduction to the fundamental principles of general physics. The first semester's work is prerequisite to the second.

3. HEAT. B

The experimental methods that have been used in measuring the various quantities which are connected with this portion of the science are considered in detail. The kinetic theory of matter and thermo-dynamics are among the additional topics studied. (Phys. 1-2.)

4. ELECTRICITY AND MAGNETISM. B

An advanced course covering more thoroughly many of the topics studied in the corresponding work in general physics, together with some additional topics, such as the discharge of electricity through gases, electrons, radio-activity, and wireless telegraphy. (Phys. 1-2.)

[5. LIGHT. B]

An advanced course for students who wish more knowledge of the subject than can be obtained from general physics. The laws of reflection and of refraction, with their application to optical instruments; the wave theory of light; the spectrum and its teachings; the phenomena of radiation, absorption, dispersion, interference, and diffraction are some of the topics considered. (Phys. 1-2, Trig.)

7. PHYSICAL MEASUREMENTS. C

Elementary theory and practice of physical manipulation. Laboratory work in the measurements of length, mass, time, velocity, linear and angular acceleration; the verification of the laws of equilibrium of forces; the determination of co-

efficients of elasticity; the density of solids, liquids and gases; experiments in sound. (Phys. 1-2.)

Laboratory fee, \$5.

8. PHYSICAL MEASUREMENTS. C

Measurements of thermal expansion, specific heat, latent heats of fusion and of evaporation. In electricity, fields of force, electric resistance, electro-motive forces, and strengths of current are measured. The laws of reflection and refraction of light waves and the formation of images by mirrors and lenses are studied, and indices of refraction and lengths of light waves are measured. (Phys. 7.)

Laboratory fee, \$5.

9. ASTRONOMY. C

The celestial sphere; astronomical instruments; determination of latitude, longitude, and time; the earth as an astronomical body; the moon's motions and physical characteristics; the sun's physical characteristics; revelations of the spectroscope; eclipses; planets; comets; stars and nebulae.

(Phys. 1-2.)

10. ANALYTIC MECHANICS. C

A discussion of the statics and dynamics of a particle and of a rigid body. Composition and resolution of forces, vectors, center of gravity, work, energy, impulse, moment of inertia, static and kinetic friction. This course may be counted toward a major in Mathematics. (Phys. 1-2, Math. 4.)

POLITICAL SCIENCE

Professor ABBOTT*

Professor KLINE

Mr. BIGELOW

1, 2. AMERICAN GOVERNMENT. A

An introductory study of the origin and development of states and governments followed by a survey of the whole field of American government, national, state, and local. A good knowledge of American History is desirable.

Mr. BIGELOW.

[3. ENGLISH GOVERNMENT. B]

The English government, with sketches of its historical development. A general knowledge of English history, such as may be gained in History 1 and 2, is essential. (Hist. 1-2, or Pol. Sci. 1 or 2.)

[4. EUROPEAN GOVERNMENTS. B]

The national and to a small extent the local governments of France, Germany, Switzerland and other states are studied in this course, with constant comparisons between these and the English and United States systems. (Hist. 1-2, or Pol. Sci. 1, 2, or 3.)

5. CONSTITUTIONAL LAW. C

A study of the Constitution of the United States and its interpretation by the Supreme Court. Of special value for students of United States history and government, and very useful to prospective law students. (Hist. 3 or 4, or Pol. Sci. 1, 2, or 3.)

Professor KLINE.

[6. CITY GOVERNMENT IN THE UNITED STATES. B]

The various forms, functions, and powers of city governments in the United States. (Pol. Sci. 1 or 2.)

*On leave.

[7, 14. BUSINESS LAW. B]

The rules of law most commonly involved in ordinary commercial transactions, especially contracts, sales, agency, bailments, and negotiable instruments. An elementary and practical course designed primarily for students who intend to engage in business or in professions other than the law.

8. INTERNATIONAL LAW. C

The nature, sources, and development of the rules governing the relations of civilized states in peace and in war, with special attention to recent modifications of the same and to questions raised by the European war.

Professor KLINE.

[10. JURISPRUDENCE. C]

An analysis of the underlying principles of law, the relation of law to rights, and a consideration of the fields covered by private, public, and international law. The subject is important for students who intend to study law or carry on advanced work in government or history. (Pol. Sci. 5, 7, or 8.)

SPANISH

Professor MORENO-LACALLE

Miss RODRÍGUEZ

Miss DE OÑATE

Miss LADD

1a, 2a. ELEMENTARY SPANISH.

Pronunciation on a phonetic basis; reading of simple Spanish; abundant oral practice based on the reading text; grammar taught inductively; careful vocabulary building; reading of simple selections. Spanish is used as the principal means of communication in the classroom. This course is designed to equip the student with a solid foundation for the more advanced study of spoken and literary Spanish. Six hours a week.

Miss RODRÍGUEZ, Miss DE OÑATE, and Miss LADD.

3, 4. SECOND YEAR SPANISH. A

A continuation of oral practice with a review and more extended treatment of grammar; composition, mainly free; letter writing; translation. The subject matter of the texts consists of *realia* of the Spanish-speaking countries, and selections of the best Spanish authors. Outside reading of Spanish newspapers and magazines. Conducted in Spanish. (Spanish 1a-2a or two years of preparatory school Spanish.) Professor MORENO-LACALLE, Miss RODRÍGUEZ, and Miss DE OÑATE.

5. HISPANIC REALIA. B

This course is intended to equip the student with a basic knowledge of the geography, history, customs, institutions, industries, and commerce of the Spanish countries, as an essential preparation for the following course in business Spanish correspondence. Oral discussion and composition in the form of letters. Conducted in Spanish. (Spanish 3-4.) Professor MORENO-LACALLE.

6. BUSINESS SPANISH CORRESPONDENCE. B

Principles of effective letter writing in idiomatic Spanish, also the standards for couching properly a business letter. Practice in Spanish letter writing; general principles of business correspondence; specific types of letters; filing; telegrams, and general principles of Spanish commercial laws. Conducted in Spanish. (Spanish 5.) Professor MORENO-LACALLE.

7. THE SPANISH NOVEL. C

A survey of the principal Spanish fiction writers of today, with a special study of their representative works. Oral discussions and written composition. Conducted in Spanish. (Spanish 3-4.) Miss RODRÍGUEZ.

8. THE SPANISH DRAMA. C

A survey of the principal Spanish playwrights of today, with a special study of their representative works. Oral dis-

cussions, and written composition. Conducted in Spanish. (Spanish 7.)

Miss RODRÍGUEZ.

9. METHODS OF TEACHING SPANISH. C

Historical review of methods; general and special principles of method; standard methods; the reform movement; the teaching of pronunciation; the teaching of grammar; vocabulary building; planning of courses; lesson plans; selection of text books; pedagogical principles applied to the teaching of Spanish. Conducted in Spanish. (Permission of instructor.)

Professor MORENO-LACALLE.

10. THE TECHNIQUE OF TEACHING SPANISH GRAMMAR. C

Devices for teaching Spanish grammar; the various types of lessons; questioning; treatment of reading texts; direct-thinking exercises. Conducted in Spanish. (Spanish 9.)

Professor MORENO-LACALLE.

11, 12. DON QUIJOTE DE LA MANCHA. C

An appreciative and critical study of Cervantes' masterpiece, with abundant oral practice and exercises in essay writing. Conducted in Spanish. (Permission of instructor.)

Miss DE OÑATE.

THE COLLEGE BUILDINGS

OFFICES

THE office of the President is located on the third floor of the Old Chapel. The President may be seen from 10:30 to 12 A.M. every day except Sunday, and consultation by students on any subject is cordially invited.

The office of the Provost and Director of the Summer Session is Room 14 in the Old Chapel.

The offices of the Deans are in the north division of Painter Hall.

The office of the Registrar is in Painter Hall, middle division.

The Treasurer of the College has his office in the Battell Block. At the opening of the college year, and again at the beginning of the second semester, the Treasurer establishes a temporary office in one of the College buildings, for the convenience of students in the payment of bills.

The office of the Editor of College Publications is in Painter Hall, middle division.

PAINTER HALL

PAINTER HALL, completed in 1815, is the oldest college building in Vermont, and one of the best examples of colonial architecture in New England. It was first known as West College, but since 1846 has borne the name of Gamaliel Painter, one of the founders of the College and a generous benefactor.

Several of the college offices are now located in this

building and the remainder is still devoted to rooms for men.

The rooms are in suites of study and bedroom, designed for two students, and are furnished with single bed, mattress, desk, chiffonier, and chairs for each student.

The building is equipped with shower baths and other modern plumbing, and steam heat and electric lights are furnished without extra charge.

The charge for rooms in Painter Hall is \$60 per year for each occupant.

STARR HALL

STARR HALL was built in 1861 and was rebuilt, after a disastrous fire, in 1865. The funds for its erection were contributed by Charles and Egbert Starr. It is constructed of gray limestone. It has thirty suites, designed for two students each, consisting of study, bedroom large enough for two single beds, and closets.

The rooms are furnished with single bed, mattress, desk, chiffonier, and chairs for each student.

Modern plumbing has been installed, and steam heat, electric lights, and shower baths are provided without extra charge. The building is in charge of a matron and full janitor service is provided.

The charge for rooms is \$60 a year for each occupant.

OLD CHAPEL

THE OLD CHAPEL is the central structure in the old stone row, built of the same material as Starr and Painter Halls. It is used as a recitation and administration

building, with the College Bookstore and Pedagogical Library on the ground floor.

THE EGBERT STARR LIBRARY

THIS beautiful marble building was erected with funds bequeathed by Mr. Egbert Starr, and dedicated in 1900. The cost of the building was \$50,000, to which was added \$5,000 for its decoration and \$5,000 for the purchase of books, by the son of the donor, Dr. M. Allen Starr. The Library contains about 50,000 volumes. Students are granted free access to the shelves. The building is open day and evening, and Sunday afternoon. The reference rooms contain reviews and magazines, and reading rooms with daily and weekly papers are maintained in Hepburn and Pearson Halls. Reference libraries are also provided in the Departments of Pedagogy, Chemistry, Physics, Biology, Drawing, and Greek.

The College is desirous of possessing a complete collection of the publications of Middlebury graduates, and alumni who are authors of either books or pamphlets are requested to co-operate by presenting the Library with copies of their works.

THE WARNER SCIENCE HALL

THE Departments of Physics, Biology, Geology, Drawing and Surveying, and Home Economics are quartered in Warner Science Hall, which was built in 1901 through benefactions of Ezra J. Warner of the Class of 1861. The building is a memorial of his father, Hon. Joseph Warner, formerly a resident of Middlebury and a Trustee of the College. By the will of Mr. Warner the

College has received a bequest of \$25,000 for the care and maintenance of the Hall, and for the purchase of supplies for the departments which it accommodates.

THE HALL OF CHEMISTRY

IN September, 1913, the Department of Chemistry was established in the new marble building erected with a portion of the General Education Board fund of \$200,000.

In the basement are the combustion and assay rooms, the organic laboratory, the laboratory for water and milk analysis, the fan room for the extensive flue and ventilation system, a balance room, two dark rooms for photography, and four store rooms.

The second floor provides two large laboratories for qualitative and quantitative work, a private laboratory for research work, a large library and conference room, a hydro-sulphide room connecting with the qualitative laboratory, two balance rooms, and a store room.

On the upper floor are the general chemical laboratory, a large lecture room and a lecture table with hoods, a store room, a balance room, and the private laboratory and office of the head of the department.

The building is equipped with water, air, and gas pipes, and with electricity for light and power. The interior finish is white unglazed brick. The building is located on the college quadrangle, facing the McCullough Gymnasium.

THE MUSEUM OF NATURAL HISTORY

AMONG the professors of the College for many years have been men of marked ability in natural science,

who have shared with the institution the fruits of their researches. One of the earliest geological surveys of Vermont was conducted by Professor Charles B. Adams, who then occupied the chair of Natural History. He laid the foundation for the large collection of fossils representing the different geological formations. The work of Professor Henry M. Seely, long connected with the College, is in evidence in the large collection of fossils of the Champlain Valley.

In Botany, the complete series of the flowering plants and ferns of the Champlain region, which was collected by President Brainerd, is especially notable. Valuable additions have been made in the higher fungi and other cryptogamous plants gathered by Dr. Edward A. Burt.

The Zoölogical Museum has received accessions from the Smithsonian Institution and from Hon. A. Barton Hepburn of the Class of 1871.

THE McCULLOUGH GYMNASIUM

THE gymnasium erected in 1910 is named from the Hon. John G. McCullough of Bennington. The structure is marble, and the style colonial, like the other buildings of the College. The main floor contains a large exercising room and basket-ball court, with a room for smaller gymnastic classes, which also serves as a stage for dramatic representation. The first floor contains a locker room, abundant shower baths, director's office and examination room, faculty locker room, two handball courts, boxing and fencing room, and quarters for visiting athletic teams. A convenient serving room renders the building available for college banquets.

THE MEAD MEMORIAL CHAPEL

ON May 15, 1914, ex-Governor John A. Mead, of the Class of 1864, signified his desire to erect a chapel for the College. His letter of gift said: "I have in mind a dignified and substantial structure in harmony with the other buildings of the College, and expressive of the simplicity and strength of character for which the inhabitants of this valley and the State of Vermont have always been distinguished."

In accordance with this gift the Mead Memorial Chapel was erected in 1915-16. It is a beautiful white marble structure, colonial in design, of the New England meeting-house type, with a rich and impressive interior. The chancel has accommodations for the Faculty and a student choir. The chapel contains a large pipe organ. In the tower is a chime of eleven bells, the gift of ex-Governor and Mrs. Mead.

HEPBURN HALL

HEPBURN HALL, built on one of the highest points of the campus, commands views of exceptional beauty of the village, Otter Valley, and both the Green and the Adirondack Mountains. The building was erected for the College by Hon. A. Barton Hepburn, of the Class of 1871. Accommodations for one hundred men are contained in a five-story building connected by a loggia with a commons. The exterior is brown tapestry brick, with gray stone trim. Construction is fireproof.

The rooms are *en suite*, with a study for each two men. All bedrooms are single. Each suite is connected with a toilet room. There are two separate shower-bath rooms on each floor, with three showers each.

Above the dining hall are social rooms, pleasant meeting and reading rooms for the men of the College, uniquely decorated with trophies of the hunting expeditions of Mr. Hepburn in Africa and Western North America.

The rooms are furnished with single bed, mattress, desk, chiffonier, and chairs for each student.

The charge for rooms is from \$60 to \$100 a year for each occupant, depending upon location. Full janitor service is provided and there is no additional charge for heat or light. A matron has her home in the building. Special circular, with floor plans, will be sent on application to the Dean.

THE PORTER ATHLETIC FIELD

THE Porter Athletic Field, situated east and south of the Library, and extending from the Cornwall road to South Street, was purchased and equipped for the College by a friend. It is about eighty acres in extent, beautifully situated, rolling meadow and pasture, with never-failing springs and a grove of large pines, and commands an extensive view of the Green Mountains. The grounds contain a quarter-mile cinder track, baseball and football fields, and a grand stand, with locker and dressing rooms and shower baths.

In 1917 the College acquired one hundred additional acres with a frontage on the river. A large boat house has been constructed at a cost of \$5,000.

THE PORTER HOSPITAL

A GIFT of \$50,000 from Mr. William H. Porter for a hospital and infirmary has been announced. Plans are

already under way. The building will be fireproof and well equipped and appointed in every respect.

ASSIGNMENT OF ROOMS

IN assigning rooms, preference is given to students in College in order of classes. A drawing for rooms for 1922-23 will be held May 1, 1922. Students now occupying rooms and desiring to retain the same may do so by depositing \$5 advance payment on room rent with the Dean before April 30. Others desiring rooms for next year, including incoming students, may secure reservations by making the \$5 advance deposit. Such reservations may not be canceled after September 1. Students reserving rooms are responsible for room rent during the year, unless they withdraw from College. Rooms not taken April 30 will be assigned to students applying later in order of application, irrespective of classes.

The halls will be ready for occupation by the students on the noon of the Saturday that precedes the opening of College after any vacation period; they will be closed for all vacation periods on the noon of the first Saturday after the period begins.

EXPENSES AND SELF-HELP

EXPENSES

THE location of the College favors economy, its charges are small in comparison with the general cost of living, and the expenses of students should not be large. The following table indicates the principal items:

Tuition	\$150.00
Fee for each extra course (increased to \$15 from the beginning of 1922-23)	10.00
Room rent in Hepburn, Starr, or Painter, including heat and light	60.00 to 100.00
Table board at Hepburn Commons	240.00
Gymnasium and Athletic Fee	20.00
Graduation Fee (Seniors only)	11.00
French School (tuition, board, and room)	500.00

In most of the courses in Biology, Chemistry, Drawing and Surveying, Home Economics and Physics, a laboratory fee is charged, as specified in the descriptions of the courses.

The payment of bills, including room rent, is required at the opening of each semester, before the student enters upon college work. On registration, a certificate of payment from the Treasurer's office is required.

About \$600 a year should suffice for all expenditures, and by strict economy many students maintain themselves on less.

SELF-HELP

FOR many years Middlebury has been known as a college at which exceptional opportunities are afforded to students who must depend largely upon their own resources in securing an education. Employment by which the student may earn a part of his expenses can frequently be obtained about the College or in the village, although no definite statement can be made before the student has arrived and his capacity and fitness are determined. While the College can promise nothing to untried candidates, it will help in every way possible all who prove themselves capable and willing. Occupations in which students find employment are waiting on table, care of furnaces, farm and garden work, typewriting, tutoring, acting as monitors, janitor service, singing in the choir, etc. The Dean conducts an employment bureau for men, and applications for work should be made to him.

SCHOLARSHIPS

THE College has a generous number of student benefits, many of them given in early years at great self-sacrifice on the part of the donors. The income of these funds is expended exclusively in payment of the tuition, in part, of needy and deserving students of good deportment and application. When the number of students was much smaller, these funds allowed a somewhat more liberal bestowment of beneficiary aid than is now possible. *It is not expected that those whose circumstances admit the full payment of college bills will apply for college assistance.* It is earnestly desired, however, that, where need requires, those who might not otherwise be

able to receive a college education will apply for aid from this source. The College has a long record of special encouragement to those who are obliged to secure an education largely through their own efforts. Correspondence concerning scholarships should be directed to the Dean, who will furnish blanks for applications.

Any scholarship may be forfeited at any time during the course through negligence or misconduct. When a student incurs more than one condition in any semester, or when his passing grade has been raised twice in any course, or once in any two courses, in any semester, because of unexcused delinquencies, the scholarship allowance for that semester is thereby forfeited.

Among the student benefits dispensed by the College are the following:

THE WALDO FUND, \$10,000, established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston.

THE BALDWIN FUND, \$28,121, received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N. J.

THE WARREN FUND, \$3,000, given in 1835 by bequest of Deacon Isaac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel Ministry.

THE FAIRBANKS SCHOLARSHIPS, \$2,000, established by Thaddeus Fairbanks, Esq., of St. Johnsbury.

THE LEVI PARSONS SCHOLARSHIPS, established by Hon. Levi Parsons Morton of New York City.

THE DANIEL O. MORTON SCHOLARSHIP, established by Hon. Levi Parsons Morton of New York City.

THE PENFIELD SCHOLARSHIP, \$1,000, established by Allen Penfield, Esq., of Burlington.

THE CHARLES A. FIELD SCHOLARSHIP, \$300, given to the village of Proctor, Vermont, "as a memorial of regard for Fletcher Dutton Proctor and of gratitude to him, and for courtesies received at the hands of other residents of said village."

THE A. P. STAFFORD FUND, \$1,000, established "to assist needy students from Wallingford to an education."

THE WINDHAM COUNTY CONGREGATIONAL CONFERENCE SCHOLARSHIP, \$600.

STATE SCHOLARSHIPS

THE College receives from the State of Vermont an annual appropriation of \$7,200 for the payment to the amount of \$120 annually of the tuition and incidental college charges of sixty students, one of whom shall be designated and appointed each year by each Senator in the General Assembly, such appointment to be made for two years by such Senator from his respective county, provided any suitable candidate should apply therefor, otherwise from any county in the state.

Any Vermont student desiring to take advantage of a State scholarship should apply to one of the Senators of the county in which he resides, and the Senator may thereupon give him a certificate of appointment for a

period of two years. Should the Senators in the applicant's county already have made appointments, the student should immediately apply to the President of the College, as there may be a vacancy from some other county of which the applicant may avail himself. Under the present statutes, each Senator may make one appointment each year, and each scholarship is good for two years.

The same regulations as to forfeiture through misconduct and incurring conditions apply to State scholarships as to student benefits owned by the College.

ADMINISTRATION

COLLEGE REGULATIONS

THE College places in the hands of each student a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, conditions, and student activities.

ENROLLMENT

THE College year begins on the Monday indicated in the calendar, the first three days, Monday, Tuesday, and Wednesday being given to registration and to entrance and condition examinations. Every student is required to enroll at the Registrar's office on one of these days, and on the Thursday, Friday, or Saturday preceding the beginning of the second semester. A charge of \$5.00 will be made for each enrollment after the days assigned.

SCHOLARSHIP

THE scholarship of the students is graded on the scale of 100 per cent, as follows:

A, 90-100 per cent; B, 80-89 per cent; C, 70-79 per cent; D, 60-69 per cent; E, below 60 per cent.

Reports of standing are made twice each semester. At the end of the semester notices of failures are sent to both students and parents.

Beginning with the Class of 1921, a student may not count toward graduation more than one course below C grade in any semester.

A student with 24 points to his credit at the beginning of the college year, not including credits received in Physical Education previous to 1919-20, will be ranked as a Sophomore for that year; one with 54 points, a Junior; one with 84 points, a Senior. At the beginning of the second semester a student who is ranked as a Freshman, but who has 39 points, not including Physical Education credits received previous to 1919-20, will be advanced to Sophomore rank; one ranked as a Sophomore, with 69 points, to Junior rank; one as a Junior, with 99 points, to Senior rank.

Not more than six credits can be attained by an undergraduate at a Summer Session.

EXAMINATIONS

THE work of all courses is completed each semester by written examinations. A student inexcusably absent from an examination will be conditioned. A student unavoidably absent from college at the time set by the Registrar for taking the examination will be given his opportunity immediately upon his return to college or before the beginning of the corresponding semester of the following year. If he fail to meet this requirement, he must repeat the course with the following class if the subject is a required one.

A student whose term mark in any course falls below 50 per cent is excluded from the examination and must, if the subject is a required one, repeat it with the following class.

A student will be conditioned whose combined recitation and examination mark at the close of a semester is below 60 per cent, or below his passing grade if that has been raised. No student will be allowed to pass whose examination mark is below 50 per cent.

CONDITIONS IN COLLEGE WORK

A STUDENT who fails to pass an examination at the close of the first semester, and is thereby conditioned, is given an opportunity to take another examination either on the first day after the Easter recess, or on such one of the first three days of the next college year as shall be determined by the Registrar.

A student who is conditioned at the close of the second semester may take an examination on such one of the first three days of the next college year as shall be determined by the Registrar, or on the first day after the Christmas recess. In order to take such examination, a request must be made to the Registrar one week in advance.

No exception will be made save in the following cases:

1. A Senior may take an examination for each deficiency, or condition, incurred during the Senior year, on the Friday preceding Commencement.

2. If the course in which a student has been conditioned is given in the Summer Session, he may remove the condition by taking that course and passing at its close an examination which will be based upon the regular college course and, if possible, be set by the instructor who imposed the condition.

To remove a condition the average of the term mark and the new examination mark combined in the ratio of three to one must reach 60 per cent.

Any student failing to make up a condition as provided for above must repeat the course with the following class if the subject is a required one, even though, from conflict of hours, or any other cause, it necessitates for him the temporary omission of some of the regular work of his class.

SPECIAL HONORS

As an incentive to such students as have the ability to do more than should be required of the majority, and to promote and encourage special investigation in the various departments of the curriculum, the Faculty have established a system of honors. These are divided into two classes, Honors and High Honors, and are subject to the following regulations:

1. The candidate must have completed major work in the department in which Honors are sought.
2. Enough more than fifteen hours a week must have been carried in the undergraduate courses to insure to the candidate at graduation a surplus of at least six credits above the credits required for the Bachelor's degree.
3. The requirement of the six extra credits may be met by the fulfillment of work in research or special investigation assigned by the department in which Honors are sought; or by the completion of two C courses in that department, provided that they are of that grade which would be counted for the Master's degree.
4. The attainment of 80 per cent for Honors, or 90 per cent for High Honors, is requisite as an average rank in the courses which have been taken in completing the major work of the department, and also in the special work performed in the attainment of the six extra credits.
5. On the completion of the six extra credits, whether attained in independent investigation or in class-room work, an examination shall be given covering as much of the work of the department which the candidate has taken as shall be deemed necessary, and, at the discretion of the instructor, a thesis may be assigned.
6. If the additional six credits for an Honor be pursued in class-room courses, these courses must be taken in accordance with the rules regarding extra hours.
7. Credits for Honors may be counted later toward the Master's degree.

These honors will be printed on the Commencement programme and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the President and the professor of the department, stating the nature and quality of the extra work done.

The degrees of A.B. and B.S. are conferred *cum laude* upon those who have attained an average rank, for the entire course, of 85 to 90 per cent; *magna cum laude* if that rank is 90 to 95 per cent; *summa cum laude* if it is 95 per cent or above.

HONORARY APPOINTMENTS

THE Faculty, under the direction of the Corporation, give the honorary Commencement appointments in college; to the man attaining highest rank, the appointment of Valedictorian, and to the second in rank, the appointment of Salutatorian.

PHI BETA KAPPA

THE Middlebury Chapter of the Phi Beta Kappa Society is the Beta of Vermont. Those of the first one-fifth of each graduating class, who have attained an average rank of $87\frac{1}{2}$ per cent for the first seven semesters of the college course are eligible for election to membership.

PRIZES

THE PARKER PRIZES. Established by gift of Daniel Parker, Esq., in 1807, and Professor Frederick Hall in 1820. Four prizes of \$50, \$35, \$25 and \$20 to four of

the competitors in the Freshman class who are adjudged the best speakers at a contest held at some time during the second semester.

THE MERRILL PRIZES. Established in 1882 by bequest of Rev. Thomas Abbott Merrill, D.D., Trustee, 1806-55. Four awards, \$50, \$35, \$25, and \$20, to the four men of the Sophomore class adjudged the best speakers.

THE DEACON BOARDMAN PEACE PRIZE. Established in memory of Samuel Ward Boardman (1789-1870). An annual prize of \$30 to the member of the Junior class submitting the best essay in favor of peace, and in opposition to war as a method for settling international differences. The essay must be creditable as a literary composition and consist of at least 2,000 words.

THE LATIN PRIZES. In the Latin Department, recognition is made of excellence in the work of the second semester of the Sophomore year, including the preparation of a note-book exhibiting the debt of English poetry to Horace, by a first prize of \$10, and second and third prizes of photographs of classic art.

THE GEORGE H. CATLIN CLASSICAL PRIZE. In 1918 Mr. George H. Catlin of Scranton, Pa., established a prize, the income of a \$1,000 Liberty Bond, the annual award to be made to that man in the Senior class whose college work in Greek and Latin is adjudged to be worthiest of the distinction. The awarding committee consists of the Head of the Department of Greek, the Head of the Department of Latin and the Dean of the College.

THE KELLOGG LATIN-ENGLISH PRIZE. Established by gift of Prof. Brainerd Kellogg, LL.D., Litt.D., of the class of 1858, Trustee, "to encourage Latin and English." The income from \$500 awarded annually to the two best papers in Horace.

THE WETHERELL PRIZE. For the last three years, through the generosity of former students of Professor A. D. Wetherell, a prize of \$20 has been awarded to the best debaters. It is hoped that a foundation will be established to make this prize a permanent one from this year.

GRADUATE WORK

MIDDLEBURY COLLEGE provides courses in many departments for students desiring to pursue a Master's degree. Correspondence should be directed to Professor Myron R. Sanford, Chairman of the Committee on Graduate Work.

The degrees of Master of Arts and of Master of Science may be attained by graduate work completed during the regular college year, or at summer sessions, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from this College, or from one having an equivalent curriculum.
2. Candidates should register during the first week of either semester, or during the first week of the Summer Session. A renewal of all existing registrations must be made at the beginning of each college year.
3. To obtain the degree of Master of Arts, or of Master of Science, one full year in residence (September to June), occupied in the pursuance of work equivalent to ten courses rated at thirty points will be necessary. This requirement

of residence may also be met by an attendance of not less than four Summer Sessions.

4. To obtain either of the advanced degrees, twenty out of the required thirty points must be obtained at Middlebury College.

5. Candidates for either degree, after conference with the instructor or instructors interested, shall outline the work intended and the studies desired, and present such outline to the Committee on Graduate Work for its approval.

6. The major work of the candidate must be undertaken in some department, in which there have been completed undergraduate courses of study of such advanced grade, as to satisfy the department of his fitness to enter upon graduate work.

7. One-half of the work (fifteen semester hours) must consist of specially assigned graduate studies and investigations, prescribed by the department in which the major work is undertaken; the remaining half may be pursued in undergraduate courses of C grade recommended by the department in which the major work is taken, and approved by the Committee on Graduate Work. A minimum grade of 80 per cent shall be maintained in all of the courses counting toward the degree.

8. Graduates of Middlebury College who have to their credit work done in undergraduate years, and not counted toward a baccalaureate degree, may count fifteen such credits toward an advanced degree, subject, however, to the provision made for undergraduate courses in Section 7.

9. No credits counted in conferring a first degree at Middlebury College, or elsewhere, shall be accepted for a second degree.

10. The work must be completed within five years after the first registration, unless this period is extended by vote of the Faculty.

11. Besides the regular examinations, the candidate must be examined in the subject chosen for the major study, and, at the discretion of the instructor under whose direction this work is done, may be required to present a thesis.

12. The degree shall be conferred either at the Commencement or at the Summer Session following the completion of the work.

13. The regular tuition fees for undergraduate work are charged. An additional fee of \$15 is required for the final examination and the diploma.

THE GENERAL CATALOGUE

COPIES of the 1915 General Catalogue of Middlebury College are still available. An immense amount of painstaking care went into the preparation of this work. The biographical records since 1900 are entirely new, and those of earlier classes, back to the very beginning of the College, have been brought to date and supplemented wherever possible. The price of the Catalogue, bound in a dark blue cloth uniform with the 1900 edition, is \$1.00, postpaid. Orders should be sent to Editor of College Publications, Room 7, Middle Painter, Middlebury, Vermont.

THE ASSOCIATED ALUMNI

THE officers and committees of the Associated Alumni of the College are: President, J. C. Scofield, '80; Vice-Presidents: W. H. Eldrigde, '95, F. H. Allen, '00, G. E. Shaw, '10; Secretary and Treasurer, Edwin L. Bigelow, '13; Central Committee, F. W. Cady, '99, H. L. Cushman, '07, W. M. Haller, '15; Necrological Committee, T. E. Boyce, '76, S. S. Eddy, '94, P. E. Mellen, '04.

ALUMNI AND ALUMNAE ASSOCIATIONS

THE officers of the New York Association are: President, L. W. Severy, '00; Secretary, L. F. Hovey, Jr.,

ex-'04; Executive Committee, T. H. Ormsbee, '15, F. P. Lang, '17, C. S. Jones, '15.

THE officers of the Boston Association are: President, J. A. Peck, '98; Vice-President, Miss Rena I. Bisbee, '00; Secretary and Treasurer, L. W. Cluff, '14.

THE officers of the Vermont Association are: President, B. L. Stafford, '01; Vice-President, H. L. Skeels, '98; Secretary and Treasurer, E. J. Wiley, '13.

THE officers of the Western New England Association are: President, Roy D. Harris, '17; Secretary and Treasurer, Miss Isabel C. Field, '15.

THE officers of the Alumnae Association are: President, Mrs. Cecile Child Allen, '01; Vice-President, Mrs. Maud Smith Gooding, '03; Secretary and Treasurer, Mrs. E. Pruda Harwood Wiley, '12; Executive Committee, Mrs. Marjorie Lee Selden, '16, Mrs. Adelaide Ross Hoyt, '15.

THE officers of the Worcester County (Mass.) Alumnae Club are: President, Miss Grace M. Ellis, '12; Secretary and Treasurer, Miss Annie F. Smith, '06.

THE officers of the Connecticut Alumni Association are: President, W. T. Fisk, '09; Secretary, Miss Charlotte C. Marsh, '18; Treasurer, Mrs. Fanny Milliken Botsford, '05; Executive Committee, J. M. Ricker, '05, Miss Ruth Baldwin, ex-'20, G. R. Ayres, '16.

NEEDS OF THE COLLEGE

THE most urgent need is additional endowment for Professors' salaries. The General Education Board has pledged \$250,000 for this purpose on condition that \$750,000 additional be secured.

In addition to funds for salaries, the officers of the General Education Board have recommended the erection of buildings and additions to endowment as shown in the following summary taken from their report to the Trustees:

	<i>Minimum</i>	<i>Maximum</i>	
For the Present Enrollment:			
Recitation Hall	\$125,000	\$150,000	
Administration Building	25,000	60,000	
Women's Educational Building		75,000	
Gymnasium for Women		75,000	\$ 360,000
For Increased Enrollment			
Residence Hall for Women	75,000	100,000	
Dining Hall for Women		75,000	
Residence Halls for Men:			
Repairs		20,000	
New Hall	125,000	150,000	345,000
Total for Plant			\$ 705,000
Endowment: For up-keep of new buildings			100,000
For new teachers (present enrollment)			300,000
For new teachers (increased enrollment)			400,000
			\$ 800,000
Total Suggested Sum Needed			\$1,505,000

FORMS FOR BEQUESTS

THE corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of _____ dollars, to be used by the Trustees of said College for such purposes and in such manner as they shall deem appropriate.

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of _____ dollars, to be invested by the Trustees of said College, and the income thereof to be applied to the uses of said College in accordance with the terms of its charter.

DEGREES CONFERRED IN 1921

HONORARY DEGREES

DOCTOR OF DIVINITY

Frazer Metzger

DOCTOR OF SCIENCE

Frank Hall Knowlton

William Wesley McGilton

DOCTOR OF LAWS

Andrew E. Clark

Cass Gilbert

DOCTOR OF LETTERS

Dorothy Canfield Fisher

DEGREES IN COURSE

WITH COMMENCEMENT APPOINTMENTS

MASTERS OF ARTS

Guy Omeron Coolidge, '20

William Edwin McMaster, '20

Wendell Brooks Phillips, Piedmont College

Homer Best Winchell, Princeton

MASTERS OF SCIENCE

Guy Newton Christian, '20

Theron Lee Culver, '13

BACHELORS OF ARTS

Edward Shepard Huntley

(as of the Class of 1918)

LeRoy Rollin Bigelow[†]||¶

Francis Patrick Carrigan, Jr.

John Wilbur Mead

James Henry Noble

Andrew George Osteyee

Cecil Plumb

Robert Batchelder Shepard-

son

Clifford Wayne Spencer⁵

BACHELORS OF SCIENCE

Philip Deane Aines	Fred Eugene Jewett ³
Robert Truman Aldrich	George Richard Julian
Frederick Clarence Brigham	George Joseph Keppler
Lorimer Hamilton Brown ⁴	Linwood Brackett Law
James Harold Burckes	Maurice Foote Lee
William Cohen ²	Leon Worrick McFee
Ronald Jeremiah Darby	William Maxfield Mea cham
Sam Pettengill Davis	Raymond Smith Noonan
Harold Dewey Elmer	Lawrence Jonathan Pierce ⁴
Ernest Chester Franklin ²	George Durham Rothermelt [†]
James Rankin Geddes ²	Russel Mussey Sanford
Arthur Tatner Harding [†] § ¶ ¹	Gordon Augustus Swan
Charles Jason Haugh, Jr.	Robert Peckham Valentine
Winford Eddy Heath	George Thomas Whitmore, Jr.

|| Valedictory Honors

§ Salutatory Honors

‡ Degree conferred *magna cum laude*

† Degree conferred *cum laude*

¶ Phi Beta Kappa

¹ High Honors in Chemistry

² Honors in Chemistry

³ Honors in Economics

⁴ Honors in English

⁵ Honors in Political Science

PRIZES AWARDED

PRIZE SPEAKING AWARDS

MERRILL PRIZES

Class of 1923

- First Prize.* Eddie Stephen Kalin
Second Prize. Isaac Murray Adams
Third Prize. Charles Leslie Leonard, Jr.
Fourth Prize. Edwin Julian Klock

PARKER PRIZES

Class of 1924

- First Prize.* David Haydn Parry
Second Prize. James Allan Hunter
Third Prize. Arthur Kelly Healy
Fourth Prize. Ralph Lysle Houghton

WETHERELL DEBATING PRIZES

Isaac Murray Adams, '23
David Haydn Parry, '24

STUDENTS

[The letter *a* after the name of a student indicates that he is a candidate for the degree of Bachelor of Arts; the letter *s*, that he is a candidate for the degree of Bachelor of Science.]

GRADUATE STUDENTS

Francis Patrick Carrigan, '21	<i>Middlebury</i>	Battell Block
James Rankin Geddes, '21	<i>Flushing, N. Y.</i>	20 Starr Hall
William Allen Huggard, '20	<i>Brookfield</i>	2 Starr Hall
George Joseph Keppler, '21	<i>Woodland, N. Y.</i>	D. K. E. House
Harold Melvin Sachs, Colby College	<i>Brooklyn, N. Y.</i>	17 Starr Hall

SENIORS: CLASS OF 1922

Charles Curtis Baldwin	<i>s Rutland</i>	39 Hepburn Hall
Milton Loyal Barnes	<i>s Pittsford Mills</i>	17 Hepburn Hall
Wilbur Locke Barrows	<i>s Johnson</i>	1 Weybridge St.
Julian MacLaurie Bishop	<i>a Poughkeepsie, N. Y.</i>	20 Hepburn Hall
Karl August Brautigam	<i>s South Orange, N. J.</i>	D. K. E. House
Robert Harwood Brokenshire	<i>s Winchester, N. H.</i>	D. U. House
Harry Earle Brown	<i>a Rutland</i>	D. K. E. House
Gerald Hemenway Cabot	<i>s Windsor</i>	28 Hepburn Hall
Jeremiah Curtin Cardell	<i>s Bristol</i>	2 Hepburn Hall
William Raymond Cole	<i>s Los Angeles, Calif.</i>	29 Hepburn Hall
George Arthur Cowles	<i>a Derby Line</i>	Maison Francaise
Charles Winthrop Crew	<i>s Dalton, Mass.</i>	K. D. R. House
Albert Frank Gollnick	<i>s Milwaukee, Wis.</i>	41 Hepburn Hall
Roger Truman Hall	<i>s Readfield Depot, Me.</i>	D. U. House
John Boyer Harvey	<i>a Willimantic, Ct.</i>	Chi Psi Lodge
Earle Eudell Haskins	<i>s Bradford</i>	39 Hepburn Hall
John Brennan Horner	<i>s West Pawlet</i>	23 Starr Hall
Charles Edwin Howard	<i>s Middlebury</i>	B Pearsons Hall
George Raymond Jenkins	<i>s Morrisville</i>	21 Starr Hall
Byron Francis Kelly	<i>s Woodstock</i>	Chi Psi Lodge
Merton Donald LaFountain	<i>a Newport</i>	Maison Francaise
Henry Elliott Lane	<i>s Ottawa, Ont.</i>	30 Hepburn Hall
Herbert Carl Leach	<i>s Pawlet</i>	D. U. House
George Truman Lewis	<i>s Crown Point, N. Y.</i>	K. D. R. House
James Albert Mooney	<i>s Wallingford</i>	17 Hepburn Hall
Howard Pierce Nelson	<i>s Salisbury</i>	20 Starr Hall
Ridley Jesse Norton	<i>s Bristol</i>	D. U. House
Barney Fred Potratz	<i>s Milwaukee, Wis.</i>	3 Starr Hall
John Hermon Prescott	<i>s Glenbrook, Ct.</i>	47 Hepburn Hall
Hugo John Ratti	<i>s Proctor</i>	K. D. R. House
Charles Henry Reinbrecht	<i>a Ridgewood, N. J.</i>	16 Hepburn Hall

Eugene Locke Robinson	<i>s Windsor</i>	Chi Psi Lodge
Paul Mylrea Ross	<i>s Poultney</i>	Chi Psi Lodge
John Charles Saur	<i>s Bridgeport, Conn.</i>	Chi Psi Lodge
Edmund Farrington Stockwell	<i>a Montpelier</i>	Chi Psi Lodge
Arnold Bowerman Swift	<i>s West Falmouth, Mass.</i>	D. U. House
Leighton Tilton Wade	<i>s Rutland</i>	Chi Psi Lodge
Robert Holzer Whitney	<i>s Bridgeport, Ct.</i>	38 Hepburn Hall
Durward Scott Yates	<i>s Glen Ridge, N. J.</i>	26 Hepburn Hall

JUNIORS: CLASS OF 1923

Isaac Murray Adams	<i>s Swampscott, Mass.</i>	15 Hepburn Hall
Stanton Eddy Ashley	<i>s New Britain, Ct.</i>	30 Hepburn Hall
Guilford Marks Austin	<i>s Margaretville, N. Y.</i>	28 Hepburn Hall
Allen Douglas Bliss	<i>a Cornwall</i>	Middlebury, R.F.D.
Sanford Arthur Carroll	<i>s Fiskdale, Mass.</i>	K. D. R. House
Robert Alger Clark	<i>s Readsboro</i>	8 Hepburn Hall
Francis Carlisle Coates	<i>s Montpelier</i>	K. D. R. House
Alfred Avery Draper	<i>s Cleveland, Ohio</i>	42 Hepburn Hall
Henry Howard Eddy	<i>s North Clarendon</i>	6 Hepburn Hall
William Henry Fitzpatrick	<i>s Ottawa, Ont.</i>	D. K. E. House
Elbert Thomas Gallagher	<i>s St. Johnsbury Center</i>	D. K. E. House
Rutherford John Gettens	<i>s Mooers, N. Y.</i>	1 Hepburn Hall
Cornell Gilbert Gray	<i>s Shushan, N. Y.</i>	18 Hepburn Hall
Lloyd Thompson Hayward	<i>s Montpelier</i>	D. U. House
Harry Joseph Hulihan	<i>s Center Rutland</i>	22 Hepburn Hall
James Sullivan Hunt	<i>s Rutland</i>	Chi Psi Lodge
Clyde Clifton Jakway	<i>s Brattleboro</i>	26 Hepburn Hall
Eddie Stephen Kalin	<i>s New Britain, Ct.</i>	K. D. R. House
Edwin Julian Klock	<i>s Wallingford</i>	50 Hepburn Hall
DeVaux de Lancey	<i>s Brandon</i>	Maison Francaise
William Henry Lawton	<i>a Trenton, N. J.</i>	40 Hepburn Hall
Charles Leslie Leonard, Jr.	<i>s Poultney</i>	Chi Psi Lodge
Radcliffe Wilson Lyon	<i>s Stamford, N.Y.</i>	9 Painter Hall
Adolph George May	<i>s Lynn, Mass.</i>	25 Hepburn Hall
Harry Goddard Owen	<i>a Port Henry, N. Y.</i>	10 Hepburn Hall
Melvin Alfred Perkins	<i>s Rutland</i>	49 Hepburn Hall
Clarence Elmer Rogers	<i>a Barre</i>	8 Hepburn Hall
Alfred Mortimer Roscoe	<i>s New Haven</i>	18 Hepburn Hall
Donald Ross	<i>s West Rutland</i>	Chi Psi Lodge
Malcolm Ross	<i>s Rutland</i>	Chi Psi Lodge
Cyril Edward Shelvey	<i>s Waterbury</i>	Chi Psi Lodge
Rowland Rawson Shepardson	<i>a Reading, Mass.</i>	D. K. E. House
Edward Arthur Sikorski	<i>s North Bergen, N. J.</i>	42 Hepburn Hall
Orville Tanner Sincerbox	<i>s Wassaic, N. Y.</i>	D. U. House
Hadley George Spear	<i>s Woodstock</i>	38 Hepburn Hall
Samuel James Thompson	<i>s Greenwich, N. Y.</i>	50 Hepburn Hall
Joseph Wetsel Timberman	<i>s Jamesburg, N. J.</i>	D. U. House
William Emerson Tucker, Jr.	<i>s Ipswich, Mass.</i>	21 Hepburn Hall

Students

103

Basil Barry Walsh	<i>s Dorset</i>	D. U. House
Donald Fessenden Weekes	<i>s Belmont, Mass.</i>	17 Elm St.
Henry Blackinton Wells	<i>a Richmond Hill, N.Y.</i>	23 Hepburn Hall
Philip Mather Whitney	<i>s Bridgeport, Ct.</i>	16 Hepburn Hall
John Harold Wright	<i>s Shoreham</i>	22 Hepburn Hall

SOPHOMORES: CLASS OF 1924

Ernest Marvin Adams	<i>s Bridgeport, Ct.</i>	27 Hepburn Hall
Edgar Theophilus Austin	<i>a Margaretville, N. Y.</i>	27 Hepburn Hall
Douglas Edward Bailey	<i>s Mount Kisco, N. Y.</i>	K. D. R. House
Clarence Henry Botsford	<i>a Rutland</i>	9 Hepburn Hall
Robert Austin Brainerd	<i>s South Hadley Falls, Mass.</i>	D. U. House
Richard Thayer Calef	<i>s Keene, N. H.</i>	4 Hepburn Hall
James Goodman Carlton	<i>s Granville, N. Y.</i>	4 Hepburn Hall
Arthur Hasbrouck Connor	<i>s Napanoch, N. Y.</i>	19 Hepburn Hall
Reginald Lansing Cook	<i>s Milford, Mass.</i>	K. D. R. House
Bruce Needham Coolidge	<i>s Rutland</i>	5 Hepburn Hall
Chester Russell Corsen	<i>s Worcester, Mass.</i>	46 Hepburn Hall
Herbert Stearns Corttis	<i>s North Groscenordale, Ct.</i>	19 Hepburn Hall
Rollin Ray Crane	<i>s San Diego, Calif.</i>	15 Starr Hall
Donald Hastings Cruikshank	<i>s Salem, N. Y.</i>	37 Hepburn Hall
Robert Doolittle	<i>s Fleischmanns, N. Y.</i>	K. D. R. House
Erwin Ewald Drost	<i>s Milwaukee, Wis.</i>	48 Hepburn Hall
James Breakenridge Emory	<i>s East Orange, N. J.</i>	31 Hepburn Hall
Paris Fletcher	<i>s Middlebury</i>	7 South St.
Robert Paul Force	<i>s Brandon</i>	31 Hepburn Hall
Alexander Graham	<i>s Hardwick</i>	18 Painter Hall
William Tilden Hammond	<i>a Mishawaka, Ind.</i>	5 Starr Hall
John Gladstone Hardy	<i>s Springfield, Mass.</i>	Chi Psi Lodge
Stanton Avery Harris	<i>s Middlebury</i>	Middlebury, R. F. D.
Paul O'Reilly Hastings	<i>a Ludlow</i>	15 Starr Hall
Alden Kelley Hay	<i>a Derby</i>	K. D. R. House
Walter Francis Hellman	<i>s Bridgeport, Ct.</i>	22 Starr Hall
Reginald Grant Hodsdon	<i>s Rutland</i>	Chi Psi Lodge
Ralph Lysle Houghton	<i>s Wallingford</i>	15 Painter Hall
Charles Rawson Howard	<i>s Ludlow</i>	44 Hepburn Hall
Lester Earl Klimm	<i>s Kensington, Ct.</i>	29 Hepburn Hall
George Krichbaum	<i>s Canton, Ohio</i>	47 N. Pleasant St.
Harold Krichbaum	<i>s Canton, Ohio</i>	47 N. Pleasant St.
Ilbert Osmond Lacy	<i>s Camden, N. J.</i>	21 Starr Hall
Michael Joseph Lorenzo	<i>s Bridgeport, Ct.</i>	21 Hepburn Hall
John Joseph Mayercik	<i>a Danbury, Ct.</i>	51 Hepburn Hall
Clifford Arthur Oakley	<i>s Newport</i>	23 Starr Hall
George Williams Peck, 3d	<i>s Rutland</i>	14 Hepburn Hall
Norman Hanna Polhemus	<i>s Dover Plains, N. Y.</i>	24 Starr Hall
Russell James Pratt	<i>a Bridport</i>	20 College St.

Alfred Wood Quackenbush	<i>s Cornwall-on-Hudson, N. Y.</i>	D. K. E. House
Charles Francis Ryan	<i>s Castleton</i>	19 Starr Hall
Reginald Merriam Savage	<i>s Newport</i>	K. D. R. House
Wilmarth Allan Sherman	<i>a Chicago, Ill.</i>	22 Hepburn Hall
Cecil Clarence Simmons	<i>s Millerton, N. Y.</i>	24 Starr Hall
Robert Gale Spaulding	<i>s Rutland</i>	9 Hepburn Hall
Paul Leander Squires	<i>s North Creek, N. Y.</i>	9 Painter Hall
Lyman Martin Thomson	<i>s Amherst, Mass.</i>	18 Painter Hall
Philip Merriam Toleman	<i>s Thomaston, Ct.</i>	17 Starr Hall
Raymond Levi Torrey	<i>s Tenants Harbor, Me.</i>	4 Seymour St.
Michael George Tulley	<i>a Cornwall</i>	Chi Psi Lodge
Charles Edson Vose	<i>s Rutland</i>	27 Starr Hall
Payson Rex Webber	<i>s Rutland</i>	Maison Française
Daniel Wexler	<i>s New Haven, Ct.</i>	12 College St.
Lloyd Raymond Wheeler	<i>a Bridgeport, Ct.</i>	22 Starr Hall
John Howard White	<i>s Thorndike, Mass.</i>	15 Painter Hall
Warren Langdon Whitten	<i>s Malone, N. Y.</i>	6 Starr Hall
Judson Watrous Williams	<i>s Burnside, Ct.</i>	5 Hepburn Hall
George Winthrop Wilson	<i>s Springfield, Mass.</i>	19 Starr Hall
Oliver Henry Winchester	<i>s Reedsburg, Wis.</i>	46 Hepburn Hall

FRESHMEN: CLASS OF 1925

Robert Lord Adams	<i>s Cuttingsville</i>	25 Starr Hall
Kenneth Wesley Anderson	<i>s Milwaukee, Wis.</i>	13 Painter Hall
Malcolm Treat Anderson	<i>s Wethersfield, Ct.</i>	7 Starr Hall
Max Joseph Antel	<i>s Bridgeport, Ct.</i>	37 Hepburn Hall
Maynard Joseph Axtell	<i>s Deposit, N. Y.</i>	D. K. E. House
Donald Remsen Banks	<i>s Mt. Kisco, N. Y.</i>	30 Starr Hall
Lucius Hiram Bassett	<i>a Waterbury</i>	26 Starr Hall
Paul Wilkins Benedict	<i>s Coxsackie, N. Y.</i>	8 Starr Hall
John Clarke Britnell	<i>s Cornwall-on-Hudson, N. Y.</i>	29 Starr Hall
William Clayton Browne	<i>s Reading, Mass.</i>	45 Hepburn Hall
Arthur Hagop Bulbulian	<i>s Auburndale, Mass.</i>	26 Court St.
William Purdy Burpeau	<i>s Yonkers, N. Y.</i>	35 Hepburn Hall
Donald Stephen Cann	<i>s Waterbury, Ct.</i>	7 Starr Hall
Michael George Carboy	<i>s Newark, N. J.</i>	14 Starr Hall
Albert Cass	<i>s South Bethlehem, N. Y.</i>	8 Painter Hall
Merrick Warren Chapin, Jr.	<i>s Hartford, Ct.</i>	10 Starr Hall
George Barr Clark	<i>s Palmyra, N. Y.</i>	38 South St.
Roger Pecke Cleveland	<i>s E. Longmeadow, Mass.</i>	30 Starr Hall
Harvey Walter Coates	<i>s Lynn, Mass.</i>	15 Starr Hall
Oscar William Cooley	<i>a Middlebury</i>	13 Starr Hall
Harold Eugene Currier	<i>s Rutland</i>	89 Main St.
David Bernard Daly	<i>s Springfield, Mass.</i>	12 Starr Hall
Paul Harmon Daniels	<i>s Randolph</i>	13 Starr Hall
Ralph Lynn DeGroof	<i>s Schuylerville, N. Y.</i>	14 Painter Hall

- Samuel Arnold Deitchman *a Malden, Mass.* 11 Starr Hall
 Donald Bartlett Doe *s Franklin, Mass.* 28 Starr Hall
 Kenneth Piper Doe *s Franklin, Mass.* 15 Starr Hall
 Harold Norman Durkee *s Lynn, Mass.* 47 Hepburn Hall.
 Carroll Francis Dyer *s Salisbury* 23 Hepburn Hall
 Reginald Wells Eastman *a Whitefield, N. H.* 16 Painter Hall
 Ralph Bosley Eddy *s Middlebury* 21 South Street
 Kenneth Thomas Edwards *s Troy, N. Y.* 8 Painter Hall
 Ralph Jay Ely *s Argyle, N. Y.* Broad View Farm
 Calvin Bartlett Farnsworth *s Worcester, Mass.* 24 Hepburn Hall
 Donald Davidson Fredrickson *s Cornwall-on-Hudson, N. Y.* 29 Starr Hall
 Clyde Greenleaf Fussell *a Manchester, N. H.* 8 South St.
 Walter Daniel Gallagher *s St. Johnsbury Center* 49 Hepburn Hall
 Ervin Frank Gollnick *s Milwaukee, Wis.* 41 Hepburn Hall
 John Henry Gonsalves *s Woburn, Mass.* 112 So. Main St.
 Whitney Burr Gorham *s Englewood, N. J.* 36 Hepburn Hall
 George Albert Greely *s Windsor* 51 Hepburn Hall
 Cyrus Allston Hamlin *s Great Meadows, N. J.* 1 Starr Hall
 Henry Happ, Jr. *s Sparrowbush, N. Y.* 32 Starr Hall
 Ellery Cleary Haynes *s Middlebury* 67 Court St.
 John Jay Healy *a New York, N. Y.* 35 Hepburn Hall
 Fred John Herzig *s Lyonsville, Mass.* Middlebury, R. F. D.
 Stone Conrad Hollquist *s West Allis, Wis.* 3 Starr Hall
 Reginald Adams Howard *s Port Chester, N. Y.* 10 Hepburn Hall
 James Allan Hunter *a Springfield, Mass.* 44 Hepburn Hall
 J. Milo Jeffrey *s East Middlebury* East Middlebury
 Giles Meigs Johnson *s West Hartford, Ct.* 36 Hepburn Hall
 Wynn Temple Jones *s Fair Haven* 8 Starr Hall
 Samuel Reed Kendall *s Brandon* D. U. House
 Lawrence Francis Kilbride *s Waterbury, Ct.* 15 College St.
 Marshall Monroe Klevenow *s Milwaukee, Wis.* 48 Hepburn Hall
 Joseph DeBoer Laird *s Montpelier* 27 Starr Hall
 Kenneth Babcock Lanpher *s St. Johnsbury* 1 Weybridge St.
 Edwin Wilfred Lawson *s Winchester, N. H.* 38 South St.
 Henry Groves Leach *s Winchendon, Mass.* 24 Hepburn Hall
 John Joseph Leary *s East Boston, Mass.* 11 Starr Hall
 John Trumbull Lee *s Washington, D. C.* 6 Starr Hall
 Adrian Coulter Leiby *s Bergenfield, N. J.* 45 Hepburn Hall
 Melvin Clayton Livingston *s Waitsfield* 15 College St.
 Alban Judson Lobdell, Jr. *a Winchester, N. H.* 5 Starr Hall
 Andrew Peter Lobo *s North Adams, Mass.* 16 Starr Hall
 William Edwin Long *s Greenfield, Mass.* 32 Hepburn Hall
 Leonard Clay MacAllister *s Port Jervis, N. Y.* 32 Starr Hall
 Elmer Leslie McClellan *s Holyoke, Mass.* 17 Painter Hall
 Edward Carpenter McClure *s Troy, N. Y.* 10 Painter Hall
 Henry Robert Morton *s St. Albans* 34 Hepburn Hall
 Cornelius Gilbert Moynihan *s Holyoke, Mass.* 12 Starr Hall
 Brereton Harmon Mucklow *s West Hartford, Ct.* 10 Starr Hall

William Palmer Myers	<i>s</i> Mount Vernon, N. Y.	38 South St.
Ward L. Oliver	<i>s</i> Charlotteville, N. Y.	7 Starr Hall
William Ward Osteyee	<i>s</i> Ausable Forks, N. Y.	6 Hepburn Hall
Cornelius Roosevelt Palmer	<i>s</i> West Cape May, N. J.	25 Elm St.
Aloys Peter Papke	<i>s</i> Milwaukee, Wis.	13 Painter Hall
David Haydn Parry	<i>a</i> Cleveland, Ohio	16 Hepburn Hall
Robert Seiberling Pfueger	<i>s</i> Akron, Ohio	34 Hepburn Hall
Robert Lonsdale Pollard	<i>s</i> North Adams, Mass.	32 Hepburn Hall
Michael Charles Prata	<i>a</i> Rye, N. Y.	6 South St.
Samuel Richard Rapport	<i>s</i> Hartford, Ct.	25 Hepburn Hall
Frederick Beacom Rich	<i>s</i> Buffalo, N. Y.	1 Starr Hall
Herbert Otto Riegelman	<i>s</i> Newark, N. J.	14 Starr Hall
Donald Wehr Riley	<i>s</i> Hamilton, Ohio	2 Hepburn Hall
John Henry Rogalski	<i>s</i> New Britain, Ct.	31 Starr Hall
Max Maxwell Savitt	<i>s</i> Springfield, Mass.	12 Starr Hall
Roger William Scott	<i>s</i> North Hadley, Mass.	26 Starr Hall
Donald Frank Shaw	<i>s</i> Holyoke, Mass.	17 Painter Hall
Eric Wright Smith	<i>s</i> Weybridge	Middlebury, R.F.D.
Alton Hiram Spencer	<i>a</i> St. Johnsbury	16 Starr Hall
Roger Haviland Staples, Jr.	<i>s</i> Troy, N. Y.	10 Painter Hall
Clarence Eugene Sturtevant	<i>s</i> Middlebury	8 South St.
John Irvin Way	<i>s</i> Boston, Mass.	15 Hepburn Hall
Percy Theodore Whitney	<i>s</i> Salisbury	109 Seymour St.
Harold Arthur Wiggin	<i>s</i> Brandon	15 College St.
Oliver Bremer Williams	<i>s</i> Navesink, N. J.	14 Painter Hall
Walter Charles Wilson	<i>s</i> Coxsackie, N. Y.	38 South St.
Arthur Elbridge Witham	<i>s</i> Lynn, Mass.	K. D. R. House
Jesse Scott Yeaw	<i>s</i> Middlebury	9 Starr Hall

SUMMARY BY CLASSES

Graduate Students	5
Seniors	39
Juniors	43
Sophomores	59
Freshmen	100
	<hr/>
Students in the Women's College	246
Summer Session	248
	388
	<hr/>
Total	882
Counted Twice	23
	<hr/>
Net Total	859

CLASSIFICATION BY COURSES

UNDERGRADUATES ONLY

	<i>Candidates for A.B.</i>	<i>Candidates for B.S.</i>
Seniors	7	32
Juniors	6	37
Sophomores	10	49
Freshmen	11	89
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	34	207

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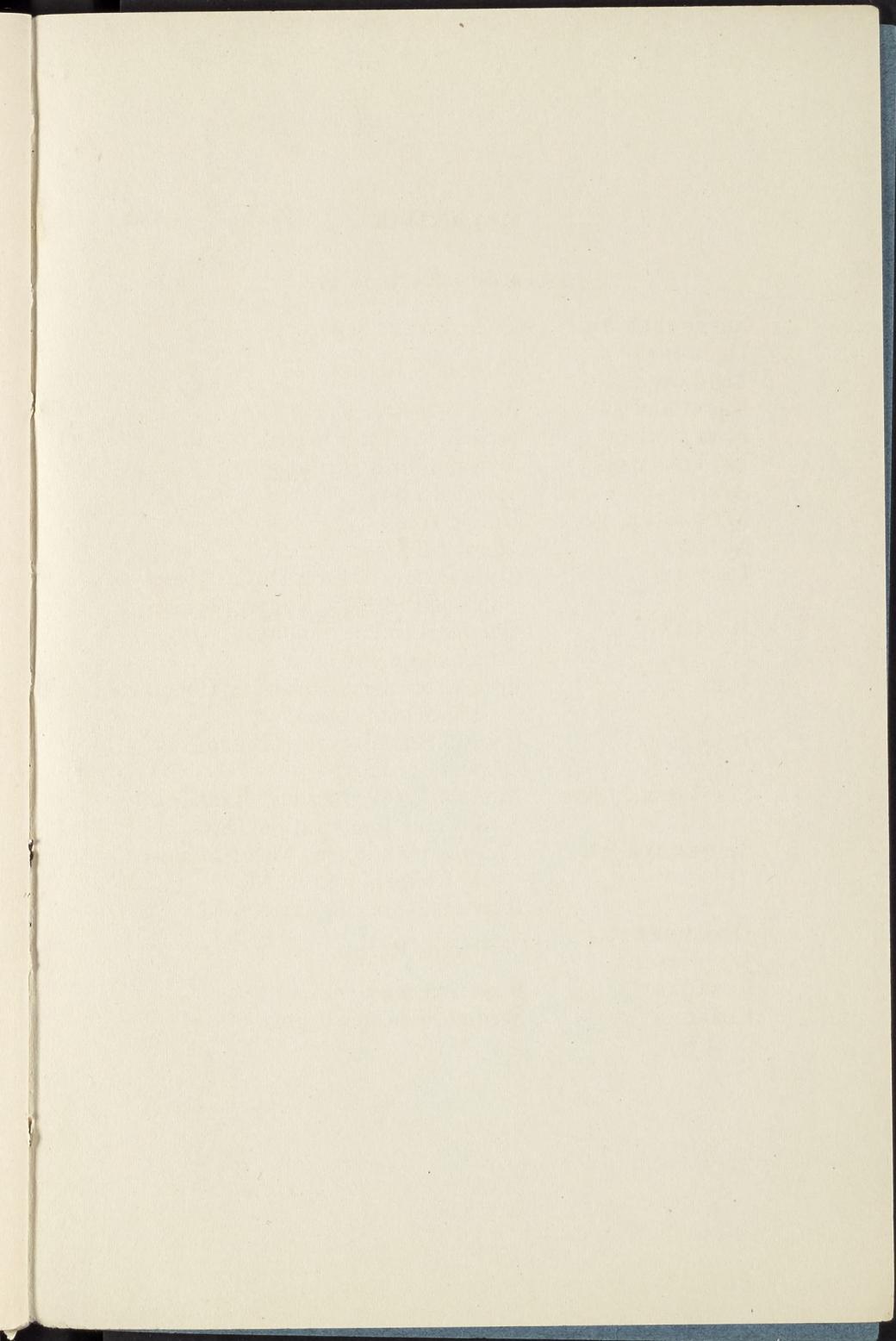
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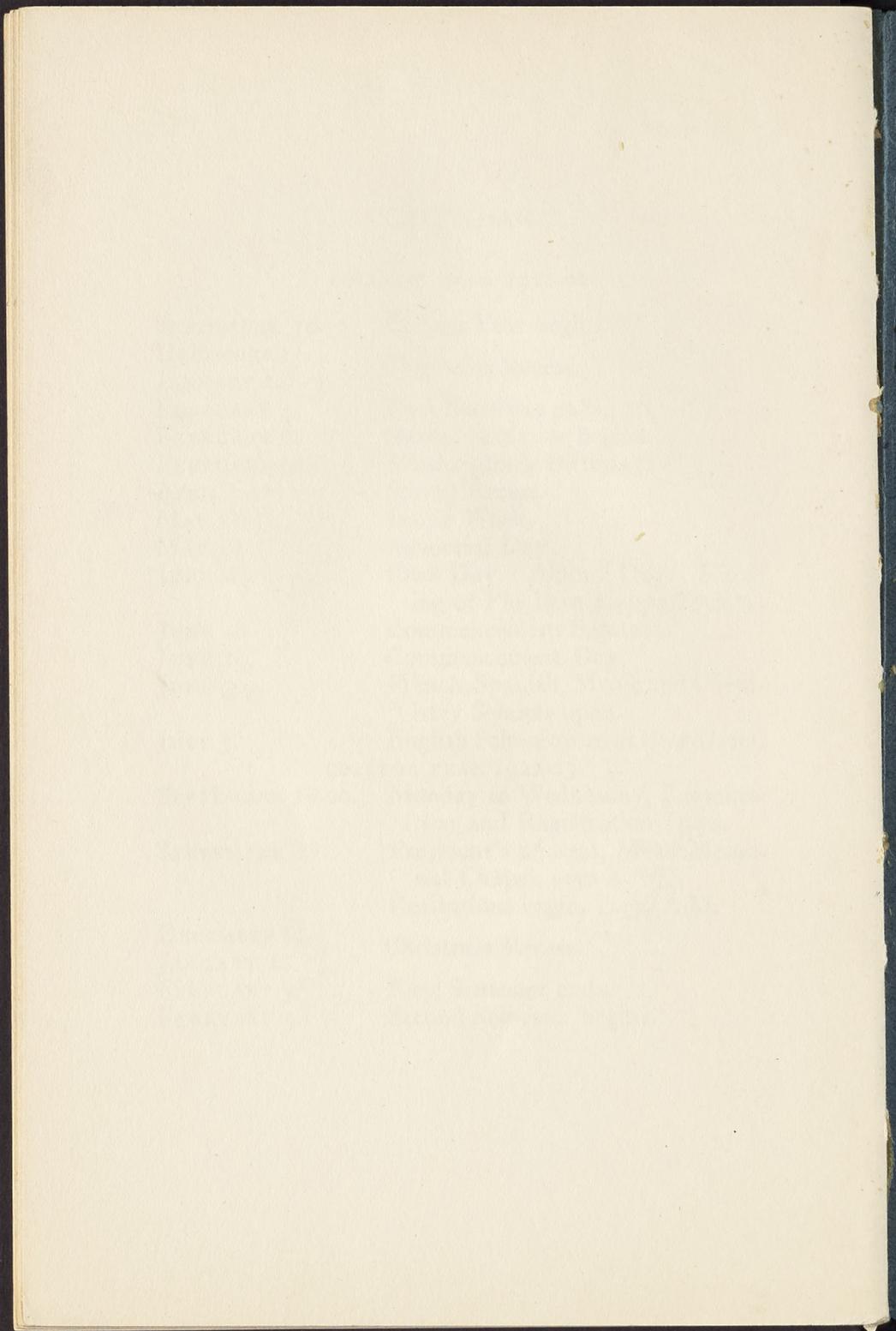
COLLEGE YEAR 1921-22

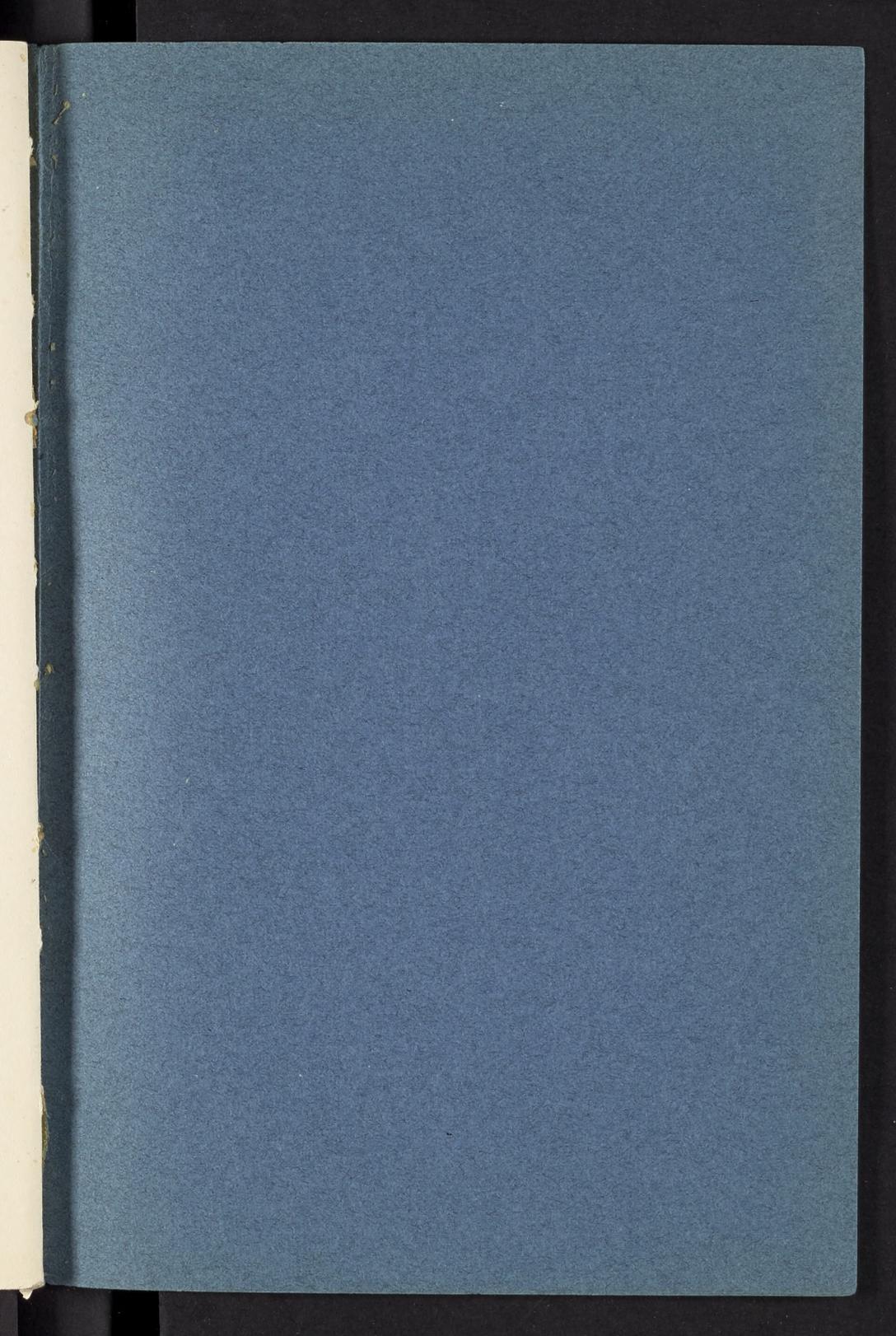
SEPTEMBER 19.	College Year begins.
DECEMBER 15. } JANUARY 2. }	Christmas Recess.
FEBRUARY 4.	First Semester ends.
FEBRUARY 6.	Second Semester begins.
FEBRUARY 22.	Washington's Birthday.
APRIL 7-17.	Spring Recess.
MAY 11-13.	Junior Week.
MAY 30.	Memorial Day.
JUNE 17.	Class Day. Alumni Day. Meeting of Phi Beta Kappa Society.
JUNE 18.	Commencement Sunday.
JUNE 19.	Commencement Day.
JUNE 30.	French, Spanish, Music and Chemistry Schools open.
JULY 3.	English School opens at Bread Loaf.

COLLEGE YEAR 1922-23

SEPTEMBER 18-20.	Monday to Wednesday, Examination and Registration Days.
SEPTEMBER 21.	President's address, Mead Memorial Chapel, 9:30 A. M. Recitations begin, 11:30 A.M.
DECEMBER 15. } JANUARY 2. }	Christmas Recess.
FEBRUARY 3.	First Semester ends.
FEBRUARY 5.	Second Semester begins.







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