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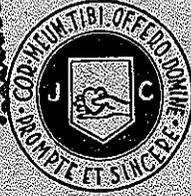
An Institute of the Christian Reformed Church

YEARBOOK

1944 - 1945

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Academic Record for 1944-1945
Announcements for 1945-1946

GRAND RAPIDS, MICHIGAN

YEARBOOK
1944-45
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An Institute of the Christian Reformed Church

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Academic Record for 1944-1945
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GRAND RAPIDS, MICHIGAN

HOW TO ADDRESS CORRESPONDENCE

All correspondence should be sent to Calvin College, Grand Rapids, Michigan. In sending correspondence, the specific addresses given below should be used:

Regarding admission and graduation requirements, address the Dean.

Regarding records, transcripts, requests for literature, address the Registrar.

Regarding boarding or rooming places for girls, work for girl students, address the Dean of Women.

Regarding boarding or rooming places for men, whether or not in Calvin Dormitory, address the Committee on Dormitory and Boarding Places.

Regarding teaching positions after graduation, address the Placement Bureau.

Regarding alumni matters, address the Secretary of the Alumni Association.

All checks should be made payable and correspondence concerning them sent to the Treasurer, Calvin College.

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CALENDAR

1945

Summer Session

June 18, 9:00 A. M.Enrolment
 June 19Classes begin
 July 4Independence Day recess
 July 27Summer session closes

General Session

September 5Beginning of the first semester and enrolment of freshmen
 September 6Enrolment of upper classmen, and opening exercises
 September 6-8Re-examinations
 November 22-25Thanksgiving recess
 December 21, 6:00 P. M.Christmas vacation begins

1946

January 8, 7:00 A. M.Christmas vacation ends
 January 9-17Final examinations
 January 17First semester closes
 January 21Registration for the second semester
 March 22, 6:00 P. M.Spring vacation begins
 April 2, 7:00 A. M.Spring vacation ends
 April 5-6Re-examinations
 May 22Meeting of Board of Trustees
 May 22-31Final examinations
 June 4Commencement

BOARD OF TRUSTEES

OFFICERS

THE REV. JOHN J. HIEMENGA, A.M., B.D.*President*
 THE REV. RALPH BRONKEMA, Th.D.*Vice-President*
 THE REV. JOHN GRITTER*Secretary*
 THE REV. DANIEL ZWIER*Assistant Secretary*

MEMBERS

The Rev. Sebastian StruykLos Angeles, California
 (Classis California)
 The Rev. James Putt, S.T.D.Fulton, Illinois
 (Classis Chicago, North)
 The Rev. Gerrit HoeksemaChicago, Illinois
 (Classis Chicago, South)
 The Rev. Richard J. Frens, Th.M.Grand Rapids, Michigan
 (Classis Grand Rapids, East)
 The Rev. John GritterGrand Rapids, Michigan
 (Classis Grand Rapids, South)
 The Rev. Richard Veldman, A.M., B.D.Grand Rapids, Michigan
 (Classis Grand Rapids, West)
 The Rev. John J. Hiemenga, A.M., B.D.Paterson, New Jersey
 (Classis Hackensack)
 The Rev. Daniel ZwierHolland, Michigan
 (Classis Holland)
 The Rev. Peter Van DykPaterson, New Jersey
 (Classis Hudson)
 The Rev. Bernard Van SomerenKalamazoo, Michigan
 (Classis Kalamazoo)
 The Rev. Jacob MulderHolland, Minnesota
 (Classis Minnesota)
 The Rev. Edward J. Tanis, A.M., B.D.Grand Haven, Michigan
 (Classis Muskegon)
 The Rev. Ralph Bronkema, Th.D.Orange City, Iowa
 (Classis Orange City)
 The Rev. Kasjen TebbenParkersburg, Iowa
 (Classis Ostfriesland)
 The Rev. Watson Groen, B.D.Seattle, Washington
 (Classis Pacific)

The Rev. Charles Greenfield.....Leighton, Iowa
 (Classis Pella)
 The Rev. John G. Vande Lune.....Hills, Minnesota
 (Classis Sioux Center)
 The Rev. Edward B. Pekelder.....Sheboygan, Wisconsin
 (Classis Wisconsin)
 The Rev. Herman Dykhouse.....Jamestown, Mich.
 (Classis Zeeland)

EXECUTIVE COMMITTEE

Rev. Gerrit Hoeksema, Chairman
 Rev. John Gritter, Secretary
 Rev. Herman Dykhouse
 Rev. Bernard Van Someren
 Rev. Edward J. Tanis
 Rev. Richard Veldman

COMMITTEE ON FINANCE

Mr. Gerrit J. Rooks, President	Mr. Benjamin W. Hertel
Rev. Daniel Zwier, Secretary	Rev. John J. Hiemenga
Mr. Gerrit L. Dornbos	Mr. Tony Noordewier
Rev. Richard J. Frens	Mr. Fred L. Winter
Mr. John Hekman	

Mr. Nicholas Hendrikse.....Assistant to the President
 Mr. Tony Noordewier, Treasurer.....855 Kalamazoo Ave., S.E.
 Mr. Henry J. Voss, Assistant Treasurer.....1117 Neland Ave., S.E.

ADMINISTRATION

Henry Schultze, A.B., B.D.....President
 Henry J. Ryskamp, Ph.D.....Dean of the College
 Harry G. Dekker, M.S.....Registrar
 Mrs. Grace H. Bruinsma, A.M.....Dean of Women
 Henry Van Zyl, Ph.D.....Director of Teacher Placement
 Josephine Baker, A.M.L.S.....Librarian

SECRETARIAL STAFF

Ruth Imanse.....Alumni Secretary and Bookstore Manager
 Caroline Veen.....Recorder and Office Secretary
 Lena Bossenbroek.....Office Secretary
 Mrs. Anna Van Dyken.....Housemother, Calvin Hall
 Mrs. Anna Dolfin.....Housemother, Calvin Dormitory
 Dorothy Roeters.....Dietitian, Calvin Dormitory
 Henry Keegstra.....Custodian

THE FACULTY

HENRY SCHULTZE, A. B., B. D., *President*
 1240 Benjamin Avenue, S.E. Telephone 5-5660
 ALBERTUS J. ROOKS, A. M., *Dean Emeritus*
Professor Emeritus of the Latin Language and Literature
 737 Benjamin Avenue, S. E. Telephone 5-1221
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Professor of the English Language and Literature
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 619 Prince Street, S.E. Telephone 3-5070
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 HENRY J. RYSKAMP, PH. D., *Dean*
Professor of Economics and Sociology
 1201 Sherman Street, S. E. Telephone 9-3857
 HARRY G. DEKKER, M. S., *Registrar*
Professor of Chemistry
 1309 Alexander Street, S. E. Telephone 3-1437
 THE REV. H. HENRY MEETER, TH. D.
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 1045 Fuller Avenue, S. E. Telephone 5-7692
 HENRY VAN ZYL, PH. D.
Professor of Educational Methods
 1143 Fuller Avenue, S. E. Telephone 5-6600
 SEYMOUR SWETS, A. M.
Professor of Public Speaking and Music
 1300 Underwood Avenue, S. E. Telephone 5-1229

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HENRY ZYLSTRA, PH. D.*
Associate Professor of English

GORDON BUTER, A. M.*
Appointed Instructor in Economics and Sociology

HAROLD DEKKER, A. B., TH. B.*
Appointed Instructor in Speech

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Associate Professor of English
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GERALDINE FIKSE, A. M.**
Instructor in History and English

JOHN CHARLES BULT, A. B.*
Appointed Instructor in charge of Physical Education

JOSEPHINE BAKER, A. M., A. M. L. S.
Librarian
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MRS. GRACE HOLTROP, A. M.
Assistant in Education
 928 Worden Street, S. E.

* On leave for military service.

** On leave for graduate study until September 1946.

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HELEN VAN LAAR, A. B.
Assistant in Art
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Committees of the Faculty

ATHLETICS—Muyskens, De Vries, Drost, Van Haitsma.

BOARDING PLACES AND DORMITORY—Wassink, Meeter, Muyskens, Van Haitsma, Bruinsma.

BOOKSTORE—Monsma, Wassink, Nieuwdorp, Wyngarden.

DISCIPLINE—Hoekstra, R. Stob, De Vries, Van Haitsma, Nieuwdorp.

EDUCATIONAL POLICY—Vanden Bosch, Radius, A. E. Broene, Monsma, Van Zyl.

LIBRARY—R. Stob, J. Broene, Van Andel.

PLACEMENT BUREAU—Van Zyl, Flokstra, Drost.

PUBLICATIONS—Vanden Bosch, Wassink, Radius.

RELIGIOUS AND SOCIAL ACTIVITIES—Meeter, Bruinsma, Swets, Van Andel.

SCHOLARSHIP AND GUIDANCE—Dekker, Ryskamp, Bruinsma, Flokstra.

Aim

CALVIN COLLEGE is an institution that exists under the auspices of the Christian Reformed Church in America. Its origin can be traced back to 1876 when the church organized a school for the training of ministers of the gospel, which at first devoted four years to literary and two years to theological study. This school gradually grew into a complete college fully accredited by the North Central Association of Colleges and Secondary Schools and into a seminary that confers both the bachelor's and the master's degree in theology. As a matter of fact, both institutions, though each has its own faculty and carries on its own work apart from the other, are still one and are controlled by one board of trustees.

According to the constitution all instruction given must be in harmony with Reformed truth. The various branches of study, therefore, are considered from the standpoint of faith and in the light of Calvinism as a life and world view. The aim of the college is to give young people an education that is Christian, not merely in the sense that devotional exercises are appended to the ordinary work of the college, but in the larger and deeper sense that all the class work, all the students' intellectual, emotional, and imaginative activities shall be permeated with the spirit and teaching of Christianity.

It is, furthermore, the aim of Calvin College to maintain standards of sound scholarship. In recognition of this aim the college is fully accredited by the North Central Association of Colleges and Secondary Schools and by the State Education Department of the State of New York and is a member of the Association of American Colleges.

ADMISSION

ALL APPLICATIONS for admission should be made to the Dean at least a month before the date of opening. Since all applications must be made on the forms provided by the college, the applicant should send for these early. The forms referred to include:

- (a) Personal application
- (b) Transcript of high school record
- (c) Recommendation of pastor
- (d) Health record

One who intends to study for the ministry must present a recommendation from his consistory endorsing him for the ministry.

Those seeking admission at the beginning of the second semester should apply, if possible, a month before the semester opens.

Freshman Standing

BEGINNING September, 1942, students will be admitted to Freshman standing by plan A, B, or C.

PLAN A.

1. The applicant for admission must submit a certificate from an accredited school.
2. Amount of work. This certificate must testify to the satisfactory completion of fifteen units of work. By a unit of work is meant the equivalent of five recitations a week for thirty-six weeks in one branch of study.
3. Prescribed work. The fifteen units required for admission must include four sequences, two major sequences and two minor sequences, selected from the five groups listed below. A major sequence consists of a minimum of three units, a minor sequence of a minimum of two units.

I. ENGLISH

A major sequence of at least 3 units is required..... 3

- II. One major sequence (3 units) and two minor sequences (2 units each) are to be chosen from Groups A, B, C, D. Two sequences may be chosen from Group A but only one from Groups B, C, D..... 7

are also taught in college; provided that for at least one semester he successfully continues work in these subjects at Calvin College. The limit of such college credit allowance is six hours.

4. When the applicant submits credits from an accredited high school for work done after graduation, provided these credits are in courses taught in both high school and college. No more than six hours will be allowed for a full semester's work.

Admission to advanced standing does not excuse the student from meeting the specified requirements for graduation from Calvin College. For example, students entering as sophomores in the General College course must for graduation earn ninety-four honor points, those entering as juniors sixty-two and one-half honor points, those entering as seniors thirty-one honor points.

To students coming from other colleges not more than sixteen hours of credit will be allowed for every full semester's work.

All advanced standing is subject to revision at the end of the first year of residence.

Students expecting advanced standing for work done at other institutions should bring full credentials, and should at the time of entrance consult the Dean.

Unclassified Students

APPPLICANTS for admission who are not candidates for graduation may be enrolled for such studies as their preparation qualifies them to pursue with profit. Such applicants should consult the Dean regarding arrangements.

STUDENT EXPENSES

Tuition and Other Fees

ALL TUITION and other fees are charged by the semester, and must be paid to the College Treasurer during the first five days from the time of registration for the semester. To this rule there is one exception; as follows:

The graduation fee need not be paid till just before the time of admission to final examinations.

GYMNASIUM FEE. All students pay a gymnasium fee of two and one-half dollars each semester.

ORGANIZATION FEE. All students pay an organization fee of two and one-half dollars each semester for the benefit of all-school activities.

REGULAR TUITION FEE. The regular tuition is \$87.50 a semester. For students who are members of a Christian Reformed Church and thus contribute indirectly to the support of Calvin College the tuition is as follows:

For students residing west of the Ohio River and east of the Mississippi the tuition is \$62.50 a semester.

For two students from one family residing west of the Ohio River and east of the Mississippi River the tuition fee for each is \$48 a semester.

For students residing east of the Ohio River the tuition fee is \$42 a semester; for two students from one family residing in the region defined, the tuition fee for each is \$32 a semester.

For students residing west of the Mississippi River but east of Montana, Wyoming, Colorado, and New Mexico, the tuition fee is \$42 a semester; for two students from one family residing in the region defined, the tuition fee for each is \$32 a semester.

For students residing in Montana, Wyoming, Colorado, New Mexico, or in points west of these states, the tuition fee is \$22.50 a semester.

In calculating the tuition fee, residence is determined as follows:

Residence of minors is that of their parents or legal guardians.

Residence of a married man is considered that of his established home during the semester preceding the date of registration.

Residence of all others is considered local.

EXCESS HOURS. Students taking in excess of seventeen semester hours will be charged an extra fee of six dollars for each such excess semester hour.

UNCLASSIFIED STUDENT FEES. Unclassified students pay at the rate of six dollars for each semester hour.

LABORATORY FEE. An extra fee is charged in some laboratory courses to cover cost of material, wear and tear of instruments, and the like. Amount of such laboratory fee is indicated in the catalog in the description of the specific courses.

PRACTICE FEE. A practice fee of six dollars a semester is paid by students who register for practice teaching.

GRADUATION FEE. The general graduation fee, including diploma, is five dollars.

LATE REGISTRATION. A fee of one dollar will be charged for late registration.

REFUNDMENT. No refunds will be made to any student expelled, suspended, or requested to withdraw on account of conduct or poor scholarship.

If a student withdraws voluntarily and in good standing within two weeks after the first day of enrolment, tuition and all fees except \$5 to cover registration, will be refunded; if before the end of eight weeks, one-half of the total fees (tuition and miscellaneous fees) will be returned; after eight weeks, no part will be refunded.

Living Expenses

LIVING EXPENSES, including board, room rent, fuel, light, laundry, and text books, are from \$350 up per year.

Board and Room with Private Families

BOARD in private families will cost from eight to ten dollars a week.

Those who engage private rooming places are expected to retain their rooms for one semester, unless prevented for good reasons.

Any student or prospective student who desires assistance in procuring a private rooming or boarding place, should apply to the Committee on Dormitory and Boarding Places, Calvin College. This committee constantly keeps on file a list of such places, and will do all in its power to obtain for the student the kind of place desired.

A city such as Grand Rapids offers splendid opportunities for self-support, especially for young women who desire to work for their room and board. Those interested may correspond with the Dean of Women, Calvin College, who will gladly render all possible assistance.

Board and Room at Calvin Dormitory

WOMEN STUDENTS may obtain board and room at the college dormitory for \$165.00 a semester and upward. Application for admission should be made to the Committee on Dormitory and Boarding Places, Calvin College. Since new applications are given preference according to time of filing, the applicant is advised to correspond with the committee as soon as she has made up her mind to reside at the Dormitory. Rates are subject to change.

Girls are expected to furnish their own towels, sheets, and pillow cases. Blankets are furnished.

Applicants accepted for admission to the Dormitory are responsible for their rooms for one semester.

Admission to the Dormitory is regarded by the College authorities not as a right but as a privilege which may be withheld or withdrawn from any student whose presence at the Dormitory is not considered desirable.

Calvin Hall

CALVIN HALL is now in its fifth year of existence. It is under the direct control of the faculty, and was introduced for the purpose of providing our girls with better living accommodations as well as to help them reduce expenses. The girls are under the immediate supervision of a house mother. They work out part of their room and board, net expenses amounting to about \$6.75 a week. This amount may vary with the changing of food prices. Girls are expected to furnish their own towels, bed linen, and blankets. Since only about twenty girls can be accommodated, applications should be made early. Efforts are being made to provide a second cooperative home for girls by September, 1945.

STUDENT AID

Scholarships and Prizes

UNIVERSITY OF MICHIGAN STATE COLLEGE SCHOLARSHIP.—The following is taken from the catalogue of the University of Michigan:

“By action of the Board of Regents, each of the faculties of the accredited colleges of the state of Michigan is authorized to nominate annually to the administrative officers of the Graduate School some member of the graduating class, or some one of their graduates of not more than four years' standing, as a suitable candidate for a State College Scholarship. In each case an alternate may also be nominated.”

Students wishing to make application for this scholarship should consult the Registrar of Calvin College not later than February 1.

RHODES SCHOLARSHIP.—Male students in the junior and senior years may apply for nomination to the Cecil Rhodes Scholarship. This Scholarship, tenable for three years, carries an annual honorarium of at least \$1,500 for study at Oxford. It has, however, been suspended until the war is over.

FRESHMAN SCHOLARSHIPS.—Each year Calvin College offers a scholarship, consisting of free tuition for the Freshman year, to a member of the graduating class in each of the accredited Christian High Schools of America supported by our constituency, who is recommended thereto by the faculty of that school, in accordance with the following conditions:

1. (a) The Faculty of Calvin College will select and appoint the winner.
- (b) If, in the opinion of the Faculty of Calvin College, no suitable candidate is available, no award shall be made in that particular year.
- (c) The Faculty always reserves the right, for reasons of its own, to reject any candidate who may be recommended for this scholarship.
2. The recommendation shall be on the basis of scholarship, Christian character, personality, and promise of growth.
3. The recipient should expect to complete the course at Calvin.
4. The recipient must have fulfilled regular college admission requirements.
5. The recipient should have been in residence at the high school from which he graduates for at least his junior and senior years.

ALUMNI TUITION SCHOLARSHIP.—The Alumni Association annually offers a tuition scholarship to that member of the Sophomore class who in his Freshman year has shown himself to be deserving. The conditions are as follows:

1. The recommendation shall be on the basis of scholarship, Christian character, personality, and promise of growth.
2. The recipient should expect to complete his college work at Calvin College.
3. If in the opinion of the faculty no suitable candidate is available, no award shall be made in that particular year.

Prizes and Awards

ALUMNI PRIZE.—The Alumni Association offers an annual prize of \$15.00 based upon scholarship. For the year 1943-44 the award was made for special excellence in the department of Chemistry. For the year 1944-45 the award went to the department of Bible.

THE BEETS CALVINISM PRIZE.—Dr. and Mrs. Henry Beets have presented the College with \$500.00, the income of which is to constitute a prize for the best essay or term paper on Calvinism, in any of its bearings, written each year by Calvin College students, and to be awarded at the discretion of the professor holding the chair of Calvinism, in consultation with the President of Calvin College, provided that if during any given year the professor named above does not consider the essays or papers submitted of sufficient merit to deserve the prize, the interest of such a year, or years, be added to the principal.

BROODMAN ORATORICAL PRIZES.—Through the generosity of Dr. G. J. Broodman of Grand Rapids, Michigan, gold, silver, and bronze medals are given annually to the winners of the first, second, and third prizes, respectively, in a men's oratorical contest. The first prize winner represents Calvin in the state oratorical contest of the Michigan Intercollegiate Speech League held in March of each year.

ANNA BRUINSMA PRIZE IN MUSIC.—The interest of \$750, given by Mr. H. J. Bruinsma of Grand Rapids in honor of his deceased wife, one of Calvin's alumnae, is to be used in the department of music, two-thirds of it serving as first, and the remaining third as second prize.

THESPIAN PRIZE.—The Thespians, dramatics club of Calvin College, offers three prizes in oratory for women, of \$15.00, \$10.00 and \$5.00.

The first prize winner represents Calvin in the state oratorical contest of the Michigan Intercollegiate Speech League held in March of each year.

THE RINCK MEMORIAL PRIZE.—A fund of \$500.00 has been subscribed by former students and friends of the late William Rinck, Professor of Mathematics at Calvin College, 1905 to 1920, the income of which is to be devoted to a prize in mathematics. The prize is awarded annually to the student who has done the best work in college algebra, analytical geometry, and calculus, provided the grade in each of these courses is at least "B."

Loans

THE DUTCH MOTHER FUND, founded by one of Calvin's grateful alumni, uses the proceeds of \$2,500 to help students who major in subjects essential to engineering, provided the applicants meet requirements in respect to character and scholarship and promise to repay the loan after graduation as soon as possible. Application for a loan from this fund must be made at the office.

Placement Bureau

THE PLACEMENT BUREAU was established some years ago for the purpose of assisting prospective teachers, graduates of Calvin College, in securing teaching positions. This bureau keeps on file a list both of vacancies in the teaching forces in our Christian Schools throughout the country, and of graduates who desire to teach. All correspondence for the Bureau should be addressed to: Placement Bureau, Calvin College. There is no charge for these services.

ADMINISTRATION

Religious Culture

IN ACCORD with its specific aim and with its belief that this aim cannot be attained unless the religious side of the student's life receives due attention, the College makes religious instruction, either doctrinal or historical, compulsory for all classes of students. Ten hours of such religious instruction must be taken during the four college years in accordance with a set program.

Furthermore, all students are required to attend the devotional exercises held in the auditorium each school day at 9:30 A. M.

It is understood, too, that on the Sabbath every student worships regularly at some church of his own selection.

As often as is deemed necessary during the course of the college year the spiritual adviser has consultations with each student, the aim being to offer such help in the moral and spiritual life as the student may need.

The Hekman Memorial Library

THE library contains more than 27,000 volumes. About 800 books are added yearly. All students and former students of Calvin College and Seminary are entitled to the full use of the library.

Physical Education

ALL men students of the college are required to participate in a physical fitness program three times per week. Classes in required physical education for men are given during all periods, including the sixth, on Monday, Wednesday, and Friday. All Freshman and Sophomore girls are required to take physical education. Girls classes are on Tuesday and Thursday from the second period through the fifth. No academic credit is given for this work. Exemptions from this requirement are permitted only upon written request of the school physician or upon the written consent of the Dean of the college.

Attendance

THE school year of thirty-six weeks is divided into two semesters of eighteen weeks each. A summer session of six or eight weeks is offered each summer.

Two vacations are given during the year: a vacation of two weeks at the Christmas holidays, and a spring vacation of one week.

Students are required to remain on duty until the last school exercise preceding a vacation is completed, and to be present at the hour of opening, after a vacation.

Grades and Honor Points

REPORT CARDS are sent out at the end of each semester.

In grading the work of students a literal system equivalent in honor points is used; as follows:

MARK	INTERPRETATION	EQUIVALENT HONOR POINTS
A	Exceptional.	3
B	Good or very good.	2
C	Graduation average.	1
D	Unsatisfactory; just passable.	0
E	Condition, which may be removed by re-examination.	Minus 1
F	Failure. No re-examination.	Minus 2
Inc.	Work not completed.	
W	Work extending over two semesters.	

The mark E can be removed only by a re-examination passed with a grade of C or better. Such re-examination must be taken at the appointed time within the next semester. Responsibility for arranging for re-examination at the appointed time, for securing from the instructor concerned a signed removal slip without which no change is made in the Registrar's entries, and for presenting such removal slip to the Registrar, lies with the student. Should the student fail to remove his condition, the mark E is automatically graded F.

For a course marked F a student can receive credit only by satisfactorily repeating the whole course.

If a student is absent from a final examination the mark "No exam." will be given. This mark must be removed by taking the examination at the time scheduled for re-examinations. Failure to do this results in an F for the course.

The mark Inc. signifies the absence of a certain amount of reading to be completed, or of papers to be handed in. This mark is given only in cases of prolonged illness and in emergencies, i. e., in circumstances which may reasonably prevent a student from completing his work on time, such as practice teaching, inability to obtain necessary books, etc. To remove a mark Inc. the student must secure credit for the course by satisfying the instructor within one year. Responsibility for securing such credit and for obtaining from the instructor concerned a signed removal slip without which no change is made in the Registrar's entries, and for presenting

such removal slip to the Registrar, lies with the student. Should a student fail to remove the mark Inc. within the allotted time, the mark automatically becomes F.

When the record of a student suggests doubt as to his fitness to do more advanced work in a particular department, his case is determined jointly by the Dean and the instructors concerned.

Examinations and Written Work

REGULAR examinations, in writing, are held at the close of each semester. In addition, tests and written recitations are given frequently during the year, with or without previous notice, at the option of the instructor.

Supplementary examinations for admission and for the removal of conditions are held on the first Friday and Saturday of the school year, and on the first Friday and Saturday after the spring vacation.

Term papers and book reports (not including weekly or bi-weekly assignments) shall be in three weeks before the final examinations.

Any student found guilty of dishonesty in any examination or test or required written work of any character, will be graded F in the course, besides being subject to discipline.

Dropping and Changing of Courses

AFTER a student has enrolled for a study, he may not drop it without written permission of the Dean. Such permission will be granted only in exceptional cases after November 1 the first semester, and after March 15 the second semester.

A student may not change his course of study without permission of the Dean.

Class Visitors

UNDER certain conditions, students may attend classes as visitors or auditors. Permission to do so must be obtained from the office.

Dismission

ADMISSION to Calvin College is a privilege, not a right. This privilege may be withdrawn from any student whose presence is not regarded as desirable by the college authorities.

REQUIREMENTS FOR GRADUATION

THE COLLEGE graduates or certifies students from the following courses: General College, pre-Seminary, Education, pre-Medical, pre-Law, pre-Engineering, pre-Business Administration, pre-Forestry, and pre-Nursing.

Every student (except those few who register as "Unclassified") must, in addition to the required physical education, fulfil the requirements of the course from which he elects to graduate. The requirements in each course are listed below.

By an hour of credit is meant in each case the equivalent of one recitation a week in one subject for one semester. The number of hours of credit given for a particular subject is indicated in the description of that subject to be found under DESCRIPTION OF COURSES.

By department is meant any one of the following: Art, Bible, Chemistry, Dutch, Economics and Sociology, Education, Engineering, English, French, German, Greek, History, Latin, Mathematics, Music, Organic Science, Philosophy, Physical Education, Physics, Political Science, Psychology, Public Speaking.

No diploma will be granted for less than one year's resident work, which ordinarily must be the year immediately preceding graduation.

When no full course is completed, a statement is given of the studies which the student has successfully completed.

General College

1. AMOUNT OF WORK. The student must complete 125 hours of work.

2. GRADE OF WORK. The student must obtain a total of 125 honor points; in other words, must obtain an average grade of C.

3. PRESCRIBED WORK. Of the 125 hours required, the following are prescribed:

Bible 101, 102, 201, 202, 301	10 hours
English 103, 104	6 hours
History	6 hours
Philosophy (not including Psychology or Logic)	6 hours
Natural Science	10 hours
Foreign Language	(see following explanation)

Foreign Language Requirements

- a A student who has had no regular language in high school will be required to take two years (four semesters) of one foreign language and one year (two semesters) of a second foreign language in college. One of these must be an ancient foreign language and the other a modern foreign language.
- b Students who submit high school credit for foreign language in admission to college, but not enough to meet the college requirements for the A.B. degree, will begin in college at the level of achievement which they have reached in high school. The Dean, in consultation with the language men concerned, will determine with which course (or courses) a student must begin his foreign language study in college. If he has already had the equivalent of the required college work in high school, he will not be required to continue his language study in college.
For the purpose of evaluating high school credit, one year of foreign language in high school will be regarded as the equivalent of one semester in college.
Any student who believes he is able to meet the college requirement, but has not had the required number of years of language work in high school will be permitted to take an achievement test to determine whether he does meet the college requirement.
- c The languages from which the student may make his choice of a modern language shall include any of the modern languages taught at Calvin College. In making his choice of a modern language the student should, however, be careful to consider the requirements of the university or graduate school to which he may eventually wish to have his credits transferred. His selection of a modern language to meet the language requirements for the degree should be made in consultation with the Dean.

4. DISTRIBUTION OF WORK. MAJORS AND MINORS. To insure proper distribution of the student's work, the departments of study have been divided into three groups; as follows:

Group I. Art, Dutch, English, French, German, Greek, Latin, Music, Public Speaking.

Group II. Chemistry, Mathematics, Physics, Organic Science, Psychology.

Group III. Bible, Economics and Sociology, Education, History, Philosophy, Political Science.

The student must so distribute the total 125 hours (including, therefore, those prescribed) among the three groups that he complies with the following restrictions:

- a. The student must choose one of these three groups as his major and another group as his minor.
- b. In his major group the student must choose two departments in one of which he completes a sequence of at least twenty-one hours and in the other of which he completes a sequence of at least twelve hours (or fifteen hours if he desires a Teachers' Certificate). Besides, he must take an additional three hours in either of these two departments. The total number of hours required in the major group is, therefore, thirty-six.
- c. In his minor group the student must choose one department in which he completes a sequence of twelve hours. Besides, he must take an additional six hours within his minor group. The total number of hours required in the minor group is, therefore, eighteen.
- d. Should a student choose Group II as his major or his minor group, and should he further choose Psychology as a sequence in this group, nine hours of Psychology and three hours of Logic will be accepted as a twelve-hour sequence.
- e. At least one-half of the work taken in residence beyond the sophomore year must be in courses not open to freshmen.

5. **DEGREE.** On satisfactory completion of this course, the student will receive the degree of bachelor of arts. If he has met all the requirements of this course and has completed 60 or more hours in Group II he may elect to receive the degree of bachelor of science instead of bachelor of arts.

6. **STATE TEACHERS' PROVISIONAL CERTIFICATE.** To be eligible for recommendation for a State Teachers' Provisional Certificate the student must on graduation have to his credit a total of 125 hours. The requirements for the State Elementary Provisional-Permanent Certificate are given under Education. See 3a (1), (2), (3), b and c and 4.

For requirements for the State Secondary Provisional-Permanent Certificate, see under Education 3a (1), (2), b and d, and 4.

Pre-Seminary

(See note regarding Pre-Seminary entrance requirements under Plan A, page 14 NOTE.)

1. **AMOUNT OF WORK.** The student must complete 125 hours of work.

2. **GRADE OF WORK.** The student must obtain a total of 125 honor points; in other words, he must receive an average grade of C. To receive, in addition, the faculty's recommendation for admission to Calvin Seminary, the student must obtain one and one-third times as many honor points as hours of credit.

3. **PRESCRIBED WORK.** The following 115 hours of work are prescribed:

		<i>Hours</i>			<i>Hours</i>
Bible 201, 202, 301, 302.....	8	Latin 201, 202.....	6		
Chemistry 306	2	Math. 309 (Astronomy).....	2		
Dutch Language	15	Org. Science 205, 306.....	4		
Dutch History 322.....	3	Philosophy 204, 301, 302.....	9		
Economics 201, 202.....	6	Physics 305	2		
Education 301	3	Psychology 201	3		
English incl. 103, 104.....	12	Phil. 202 (Logic).....	3		
Greek 101, 102, 201, 202,		Speech 103, 104, 301.....	6		
313, 314	20	Sociology 203	3		
History 101, 102.....	8				

(Schedule for the year 1944-1945)

This schedule has been arranged for students who enter without any deficiencies and plan to take the full four year course.

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
<i>Hours</i>		<i>Hours</i>	
Dutch 101	3	Dutch 102	3
English 103	3	English 104	3
History 101	4	History 102	4
Latin 201	3	Latin 202	3
Public Speaking 103.....	2	Public Speaking 104.....	2
	15		15

Sophomore Year

Bible 201	2	Bible 202	2
Greek 101	4	Chemistry 306	2
Psychology 201	3	Dutch 202	2
Sociology 203	3	Organic Science 210.....	2
Dutch 203	2	Greek 102	4
English 201 (or other English elective)	3	Philosophy 202	3
	17		15

Junior Year

FIRST SEMESTER		SECOND SEMESTER	
<i>Hours</i>		<i>Hours</i>	
Dutch 305	2	Dutch 306	3
Education 301	3	Dutch Hist. 326.....	3
English 207 (or other English elective)	3	Greek 202	3
Greek 201	3	Organic Science 306.....	2
Public Speaking 301.....	2	Philosophy 204	3
Elective	3	Elective	3
	16		17

Senior Year

Bible 301	2	Bible 302	2
Economics 201	3	Economics 202	3
Greek 313	3	Greek 314	3
Mathematics 309	2	Philosophy 302	3
Philosophy 301	3	Elective	4
Physics 305	2		
	15		15

If Dutch 305 and 306 are taken in the Senior year, Economics 201 and 202 should be taken in the Junior year.

The student who is deficient in the two units of either high school German or Latin, both of which are required for admission to the Pre-Seminary course, will be required to make this up in college.

Students who because of their draft classification are required to complete this course in three calendar years may procure an outline of this accelerated course upon application to the office.

4. DEGREE. Upon satisfactory completion of this course, the student will receive the degree of bachelor of arts, pre-seminary course.

Education

1. AMOUNT OF WORK. A total of 125 hours of work must be completed.

2. GRADE OF WORK. At least 125 honor points are required.

3. PRESCRIBED WORK. To earn the degree of bachelor of arts in education for recommendation for a Michigan State Teachers' Provisional Certificate the student must complete:

a. The State Department of Education requirements:

- (1) Psychology 201-202; Education 203 or 306 or 309; 301 or 314 or 315 or 317; a method course (see below) and 343 20 hours
- (2) A major field of 24 hours and two minors of 15 hours each, in subjects or subject fields in which the student expects to teach.....54 hours

Students intending to teach in the elementary grades are advised to choose four minors, two of which must be in subjects or subject fields taught in elementary grades.

These centers of study may be chosen from the following subjects and subject fields:

Chemistry	German	History	Physical
Economics-	History	History-Politi-	Education
Sociology	Latin	cal Science	Sociology
Economics	Mathematics	Philosophy	Science
English	Music	Physics	(Organic)
French	Art		

- (3) Prospective elementary teachers are advised to select their minors from the following—one minor from one of their four subject fields:
 English Studies: Literature, Rhetoric, English Speech, Reading, Story Telling.
 Art Studies: Music, Fine Arts, Industrial Arts, Drawing.

Social Studies: Economics, Geography, History, Political Science, Sociology, Ethics
 Science Studies: Organic Science, Psychology, Physics, Chemistry, Mental Hygiene.

b. Calvin College requirements:

- (1) A major field of 24 hours and two minors of 15 hours each or four minors of 15 hours each (see a (2) and (3) above).
- (2) Bible 101, 102, 201, 202, 301.....10 hours
- (3) English 103, 104 6 hours
- (4) History 6 hours
- (5) Natural Science 4 hours
- (6) Foreign language.....See note below

c. Prospective teachers in elementary grades should include:

- (1) Art 227 or 228 (no credit in sem. hours) and Art 301 3 hours
- (2) Economics 105 or 106..... 3 hours
- (3) Education 220, 320, 321, 322, 324 or 222, 341 or 342.....15 hours
 One of these method courses is included in requirement a. (1) above.
- (4) Music 201 and Speech 103 or 104 or 101..... 4 hours
 All the courses under c (1), (2), (3), and (4), with the exception of Art 227, Ed. 220, and Ed. 341, or 342 can be used to round out the four minors listed under a (3) above.
- (5) Of the above 25 hours under c (1), (2), (3), and (4), at least 15 hours *must* be taken by every student.

When courses under b and c wherever possible are used to round out the four minors under a (3), the student has some twenty-five hours of electives at his disposal. He is advised to select many of these from the following courses:

Chemistry 306	History 301, 302	Education 303, 310
Sociology 304	Latin 319, 320	Org. Science 109, 110
English 303, 304	Physics 305	
Greek 315, 316, 317	Political Science 303, 304	

d. Prospective teachers in secondary schools must also take Speech 103 or 104, Education 342, and at least one method course in their major or minor subject or subject fields from the following:

Education 220, 307, 310, 324, 326, 328, 340, 330m....2 or 3 hours

Foreign Language Requirements for the A. B. in Education.

- a A student who has had no foreign language in high school will be required to take two years (four semesters) of one foreign language in college.
- b Students who submit high school credit on foreign language for admission to college, but not enough to meet the college requirements for the A.B. degree, will begin in college at the level of achievement which they have reached in high school. The Dean, in consultation with the language men concerned, will determine with which course (or courses) a student must begin his foreign language study in college. If he has already had the equivalent

of the required college work in high school he will not be required to continue his language study in college.

For the purpose of evaluating high school credit, one year of foreign language in high school will be regarded as the equivalent of one semester in college.

Any student who believes he is able to meet the college requirement, but has not had the required number of years of language work in high school, will be permitted to take an achievement test to determine whether he does meet the college requirement.

c. The languages from which the student may make his choice of a modern language shall include any of the modern languages taught at Calvin College. In making his choice of a modern language the student should, however, be careful to consider the requirements of the university or graduate school to which he may eventually wish to have his credits transferred. His selection of a modern language to meet the language requirements for the degree should be made in consultation with the Dean.

4. The State Board of Education in Michigan upon graduation gives Provisional Certificates valid for five years, to be converted into a Permanent Certificate after three years of successful teaching on the elementary level or on the secondary level within the five-year period defined by the validity of the provisional certificate.

To satisfy the obvious intent of the State, to meet the needs of the pupils on a specific level, and to help facilitate the work of the Calvin Placement Bureau, students are even now advised to prepare definitely for the elementary or for the high school level.

Those who at first set out to earn a General A. B. and later change to an A. B. in Education may meet serious difficulties because of different sets of requirements for the two degrees.

5. DEGREE. On satisfactory completion of this course the student will receive the degree of bachelor of arts in education, and will be recommended for a State Teachers' Provisional Certificate.

IMPORTANT DIRECTIONS TO HOLDERS OF LIMITED CERTIFICATES BASED ON THE MICHIGAN TEACHERS' CERTIFICATION CODE

CAUTION: No person can be employed to teach in any school district unless he is legally qualified by holding a valid certificate. In order that the holder of any limited certificate may retain without interruption his status as a legally qualified teacher, he must make application for renewal to the State Board of Education between April 1 and September 1 of the year the certificate expires; if the candidate on the expiration of the certificate does not arrange for renewal as here stated, he will forfeit his status as a legally qualified teacher, and therefore will not be permitted to teach. He will, however, remain eligible to make application for renewal until June 30 of the year following expiration of his certificate after which date renewal privileges are canceled.

A. To the holder of the State Limited Certificate or of the State Limited Renewal Certificate.

1. To the holder of a State Limited Certificate may be issued (five times) a State Limited Renewal Certificate provided the candidate shall have met the following conditions:

(a) Subsequent to the date of issue of the last certificate held, the candidate must have acquired 10 semester hours of credit, of an average grade of "C" or better, earned in an institution or accepted by an institution approved by the State Board of Education. These credits must be applicable toward the requirements of the curriculum prescribed for the State Provisional Certificate eventually desired. Not less than 5 semester hours must be earned in residence; the remainder may be earned in extension study but of this not to exceed 3 semester hours may be correspondence study credit.

(b) In order to assure that the credits earned toward renewal will apply on the State Provisional Certificate curriculum at the institution where the candidate intends to qualify eventually for that certificate, *the candidate should arrange in advance in each case to have his course selections approved by that institution.* Also all credits wherever earned should be submitted to that institution for evaluation and by it transmitted to the State Board of Education with recommendations.

B. The above statement was approved by the State Board of Education.

Pre-Medical and Pre-Dental

(See note regarding pre-Medical entrance requirements under Plan A, page 14 NOTE.)

1. AMOUNT OF WORK. The student must complete 94 hours of work.

2. GRADE OF WORK. The student must obtain a total of 94 honor points; in other words, must obtain an average grade of C; except that to obtain faculty recommendation for admission to a class A medical school he must in the three years of residence obtain a total of 156 honor points, representing an average of B-.

3. PRESCRIBED WORK. The following courses are prescribed:

<i>Freshman Year</i>			
FIRST SEMESTER	SECOND SEMESTER		
Bible 101	2 hours	Chemistry 102 or 104.....	4 hours
Chemistry 101 or 103.....	4 hours	English 104	3 hours
English 103	3 hours	Mathematics 104	3 hours
Organic Science 109.....	3 hours	Organic Science 110.....	3 hours
History 205	3 hours	History 206	3 hours
	15 hours		16 hours
<i>Sophomore Year</i>			
Bible 201	2 hours	Bible 202	2 hours
Chemistry 201	4 hours	Chem. 202 or elective.....	4 hours
French or German.....	3 hours	French or German.....	3 hours
Organic Science 201.....	4 hours	Organic Science 208.....	3 hours
Physics 201	4 hours	Physics 202	4 hours
	17 hours		16 hours

Junior Year

Bible 301	2 hours	English or elective.....	3 hours
Chemistry 301	4 hours	Organic Science 312.....	3 hours
English or elective.....	3 hours	Psychology 312 or elective..	3 hours
Organic Science 207.....	3 hours	Chemistry 302	4 hours
Organic Science 311.....	2 hours	Organic Science 306.....	2 hours
Psychology 201	3 hours		
	<hr/>		<hr/>
	17 hours		15 hours

Pre-Medical students are strongly advised to take a full college course.

Trigonometry presupposes one and one-half units of Algebra.

If the student has had French or German in high school, the number of hours prescribed in the College may be reduced by four hours for each of the first two units of work. But one year of either French or German must be taken in college.

Since modern language requirements for admission into medical schools vary widely, medical students are advised to consult the office in respect to them.

Bible 301 can, at the option of the student, be accredited as philosophy.

4. DISTRIBUTION OF ELECTIVES. The number of hours of electives will vary according to the nature of the student's high school preparation in French or German. For their electives students should choose such subjects as are required for admission to the medical school which they expect eventually to attend

5. DIPLOMA. On satisfactory completion of this course the student will receive a three-year diploma.

6. DEGREE. On satisfactorily completing this course with a record of not less than 125 honor points received in the required ninety-four hours, the student is eligible for the degree of bachelor of science on the combined curriculum plan in letters and medicine. He will receive this degree after one year of successful work in a recognized medical school.

A two-year pre-dental course is provided for those who desire it, but universities give preference for admission to students who have completed the three-year pre-dental course.

Four-Year Pre-Medical Course

1. AMOUNT OF WORK. The student must complete 125 hours of work.

2. GRADE OF WORK. The student must obtain a total of 125 honor points; in other words, must obtain an average grade of C.

However, for admission to some medical schools an average grade equivalent to one and one-half honor points is required.

3. PRESCRIBED WORK.

a. The student must meet the prescribed course requirement as well as the major and minor group requirements for the General College A. B. course. If he has completed 60 or more hours in Group II he may elect to receive the degree of bachelor of science, general course, instead of the bachelor of arts.

b. The student must meet the prescribed course requirement of the Three-Year pre-Medical Course, and, if possible, in the same order.

4. DISTRIBUTION OF ELECTIVES. The number of electives will vary according to the nature of the student's high school preparation in French and German. Not less than 12 hours of his elected courses over and above the courses prescribed under 3 (above), but including Philosophy, must be in Groups I and III. The student is urged to elect Organic Science 203 and 106 and Chemistry 202 and 307.

Pre-Law

1. AMOUNT OF WORK. The student must complete 94 hours of work.

2. GRADE OF WORK. The student must obtain a total of 94 honor points; in other words, an average of C; except that he must obtain 156 honor points, representing an average of B-, to warrant faculty recommendation for admission to a class A law school.

3. PRESCRIBED WORK. Of the 94 hours required, certain hours are prescribed; as follows:

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
Bible 101	2 hours	Bible 102	2 hours
English 103	3 hours	English 104	3 hours
Latin	3 hours	Elective	3 hours
Mathematics or Science..	3 hours	Logic	3 hours
Psychology	3 hours	Mathematics or Science..	3 hours
Public Speaking	2 hours	Public Speaking	2 hours

Sophomore Year

Bible 201	2 hours	Bible 202	2 hours
English	3 hours	English	3 hours
History 203	3 hours	History 204	3 hours
Latin, French or German..	3 hours	Latin, French or German..	3 hours
Political Science	3 hours	Political Science	3 hours
Sociology 203	3 hours	Sociology 204	3 hours

Junior Year

Bible 3012 hours	English3 hours
English3 hours	History 3023 hours
History 3013 hours	Political Science3 hours
Political Science3 hours	Latin 320 (Rom. Cul.)3 hours
Elective3 hours	Elective2 or 3 hours

A student who has had French or German in high school may have his number of hours prescribed in college reduced by four hours for each of the first two units of high school work. But one year of French or German must be taken in college.

Since modern language requirements for admission into law schools vary widely, students are advised to consult the office with respect to them.

4. DISTRIBUTION OF ELECTIVES. The number of hours of electives will vary according to the student's high school preparation in languages. For their electives students should choose such subjects as are required for admission in the law school which they expect eventually to attend.

5. DIPLOMA. On satisfactory completion of this course the student will receive a three-year diploma.

6. DEGREE. On satisfactorily completing this course with a record of not less than 125 honor points received in the required 94 hours, the student is eligible for the degree of bachelor of arts on the combined curriculum plan in letters and law. He will receive this degree after one year of successful work in a recognized law school.

Some law schools require an average grade equivalent to one and one-half honor points per hour of credit.

Pre-Engineering Course

Normally four semesters of work at a recognized school of engineering, in addition to the three-year course here outlined, are necessary to finish a regular engineering course.

1. AMOUNT OF WORK. The student must complete 94 hours of work.

2. GRADE OF WORK. The student must obtain a total of 94 honor points; in other words, must obtain an average grade of C.

3. PRESCRIBED WORK. Of the 94 hours required, the following are prescribed:

Three-Year General Pre-Engineering Course

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
Bible 1012 hours	Engineering 1023 hours	Chemistry 101 or 103.....4 hours	Chemistry 102 or 104.....4 hours
Engineering 1013 hours	English 1043 hours	English 1033 hours	Mathematics 1043 hours
Mathematics 1033 hours	Public Speaking 104.....3 hours		
	15 hours		15 hours

Sophomore Year

Engineering 2012 hours	Bible 102 or 202.....2 hours
Economics 2013 hours	Economics 2023 hours
Mathematics 2013 hours	Mathematics 2023 hours
Physics 201E5 hours	Physics 202E5 hours
Physics 2031 hour	Physics 2041 hour
Engineering 2072 hours	Elective2 hours
	16 hours

Junior Year

Bible 3012 hours	Elective5 hours
Chemistry 2014 or 5 hours	Engineering 3023 hours
Elective5 hours	Mathematics 3025 hours
Mathematics 3015 hours	Modern Physics 304.....3 hours
	16 or 17 hours

Three-Year Chemical Pre-Engineering Course

Freshman Year

Bible 1012 hours	Chemistry 102 or 104.....4 hours
Chemistry 101 or 103.....4 hours	English 1043 hours
English 1033 hours	Engineering 1023 hours
Engineering 1013 hours	Mathematics 1043 hours
Mathematics 1033 hours	Public Speaking2 hours
	15 hours

Sophomore Year

Chemistry 2015 hours	Bible 102 or 202.....2 hours
Mathematics 2013 hours	Chemistry 2025 hours
Engineering 2012 hours	Mathematics 2023 hours
Physics 201E5 hours	Physics 202E5 hours
Physics 2031 hour	Physics 2041 hour
	16 hours

Junior Year

Bible 3012 hours	Chemistry 3024 hours
Chemistry 3015 hours	Economics 2023 hours
Economics 2013 hours	Mathematics 3025 hours
Mathematics 3015 hours	Engineering 3023 hours
	Modern Physics 304.....3 hours
	18 hours

In case the student has no credit in Advanced Algebra, Mathematics 101 must be taken, and in that event Mathematics 103 must be taken during the second semester.

In case the student has no credit in Solid Geometry, he should arrange to take Mathematics 102, if possible.

Electives must be chosen in consultation with the Dean.

4. **DIPLOMA.** On satisfactory completion of either course the student will receive a three-year diploma.

5. **DEGREE.** On satisfactorily completing either course with a record of not less than 125 honor points received in the required 94 hours, the student is eligible for the degree of bachelor of science on the combined curriculum plan in science and engineering. He will receive this degree after completing satisfactorily the requirement for the bachelor of science in engineering in a recognized engineering school.

Pre-Business Administration Course

For students interested in Business Administration the following two-year course has been arranged:

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
*Bible	2 hours	*Bible	2 hours
*English 103	3 hours	*English 104	3 hours
*Lab. Science	4 or 5 hours	*Lab. Science	4 or 5 hours
Two of the following:		Two of the following	
Mathematics, Foreign		continued:	
Language, History,		Mathematics, Foreign	
Geography		Language, History,	
	6 hours	Geography	
		6 hours	

Sophomore Year

*Bible	2 hours	*Bible	2 hours
*Economics 201	3 hours	*Economics 202	3 hours
*Economics 301 or 303	3 hours	*Economics 302 or 308	3 hours
Psychology 201	3 hours	Philosophy 202	3 hours
Public Speaking 103	2 hours	Public Speaking 104	2 hours
Electives	3 hours	Electives	3 hours

Note: This course is arranged to enable the student to meet the requirements of schools such as the Northwestern School of Commerce which begin their commerce courses in the Junior Year. Students who wish to remain at Calvin three years and to enter Northwestern in their Senior year will have to take certain courses at the Grand Rapids Junior College and will have to attend one summer session at Northwestern in order to get their degree there at the end of the Senior year. Such institutions as the University of Michigan and Harvard University require an A. B. degree for admission to their Commerce Schools. Graduates of Calvin can enter such schools without any real deficiency. The starred subjects represent the required courses.

* Required courses.

Pre-Forestry

The following constitutes a recommended two-year Pre-Forestry Course. The student should complete 64 hours of work. He should choose such subjects as are required for admission to the particular school of forestry which he expects eventually to attend. The final arrangement of his course should have the approval of the Dean.

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
Chemistry 101 or 103	4 hours	Bible 102	2 hours
Engineering 101	3 hours	Chemistry 102 or 104	4 hours
English 103	3 hours	English 104	3 hours
Mathematics 103	3 hours	Mathematics 104	3 hours
Organic Science 109	3 hours	Organic Science 110	3 hours
Engineering 207	2 hours		

Sophomore Year

FIRST SEMESTER		SECOND SEMESTER	
Bible 201	2 hours	Bible 202	2 hours
Economics 201	3 hours	Economics 202	3 hours
Organic Science 201	4 hours	Mathematics 308	4 hours
Physics 201	4 hours	Organic Science 206	3 hours
Engineering 207	2 hours	Organic Science 306	2 hours
Public Speaking 103	2 hours	Physics 202	4 hours

* Since Engineering 207 (Surveying) is taught every even year, students starting in September of the even years should take this course during their freshman year. Other students take Organic Science 205 during the freshman year.

Pre-Clinical Nursing Course

For students interested in Nursing, the following one semester course has been arranged to meet the requirements for admission to The Blodgett Memorial Hospital School of Nursing.

FIRST SEMESTER

Bible 101	2 hours
Organic Science 105	3 hours
Chemistry 101N	3 hours
Organic Science 108	3 hours
Nutrition	2 hours
Psychology 201	2 hours
Introd. to Nursing Arts,	
incl. Hygiene	4 hours

Students wishing to take this course must make application at Blodgett Hospital with the Director of Nurses before August 1.

Upon completion of this course and thirty-one months at The Blodgett Memorial Hospital School of Nursing the student will be eligible to write the examinations given by the Michigan State Board of Registration of Nurses, and upon passing the examinations will receive her certificate to practice as a registered nurse.

For students who wish to enter Butterworth Hospital the following subjects are suggested:

Chemistry	4 hours	Public Speaking	4 hours
English Composition.....	6 hours	Sociology	3 hours
European History	4 hours	Zoology	4 hours
Psychology	3 hours	Electives	4 hours

In addition to the above, Bible (2 hours) and Physical Education are required.

For electives the student is advised to choose History, English Literature, or Science, or a subject of her own choice.

Upon completion of this course and three years in the School of Nursing at Butterworth Hospital, the student will be eligible for registration by the Michigan State Board of Registration for Nurses.

Bachelor of Science in Nursing on the Combined Curriculum Plan

The student must

- 1 meet regular admission requirements to the college;
- 2 successfully complete 94 semester hours of pre-professional subjects considered fundamental in any liberal arts program;
- 3 complete an additional 28 to 30 months of training at an accredited hospital.

Courses of a technical nature, such as mechanical or free-hand drawing, practical arts or physical education are not acceptable as advanced credit toward the 94 hours of college work.

The required college courses in this program are the following:

Bible	6- 8 hours
English Comp. and Rhetoric.....	6 hours
English or American Lit.....	3- 6 hours
History	6 hours
Psychology	6 hours
Sociology, Intro.	3 hours
Sociology, Problems or The Family.....	3 hours
Philosophy	3 hours
Foreign Language	6- 8 hours
Chemistry for Nurses.....	4 hours
Organic Chemistry	8 hours
Human Anat. and Physiology.....	5 hours
Animal Biology	3 hours
Microbiology	3 hours
Intro. to Embryology.....	3 hours
Biological Problems	2 hours

70-77 hours

To complete the 94 hours, the student may elect courses in Literature, History, Education, Organic Science, Chemistry, Political Science, or others.

DESCRIPTION OF COURSES

Art

Courses 331 and 332 may be credited in the Dutch department. They are of great benefit to teachers and students of history and literature.

228. PENMANSHIP *Two hours*
Manuscript and cursive writing. Theory and practice. No credit. For prospective teachers in elementary grades.
301. INDUSTRIAL ART *Three hours*
Art education in the elementary school will be treated in the manner of Mathias' *The Teaching of Art*.
302. HANDCRAFT *Three hours*
The course is arranged to work out craft problems related to elementary grades. Prerequisite 301.
303. CREATIVE EXPERIENCE IN THE ARTS *Three hours*
This course is planned particularly for the classroom teacher. It will consist of illustrated lectures, discussions on both art and education and experience in working with art materials.
304. ART APPRECIATION *Three hours*
This course will consist of lectures, reading, and a study of art objects, paintings, pottery, textiles, etc. There will be a limited amount of hand work centering on individual problems.
331. FLEMISH PAINTING *Three hours*
A course in the Flemish and Dutch primitives and Italianizers, followed by a discussion of the Flemish Renaissance painters with emphasis on Rubens and Van Dyck. The course is analytical as well as historical. Lectures, collateral reading, and reports. Not open to Freshmen.
332. DUTCH PAINTING *Three hours*
A course in Dutch painting from the Renaissance to modern times. The emphasis is placed on the seventeenth century. Lectures, collateral reading, and reports. Not open to Freshmen.

Bible

101. INTRODUCTION TO THE BOOKS OF THE BIBLE *Two hours*
A general introduction to the Bible as a whole, in which its origin, nature, canonicity, authority, organic unity, revelation and inspiration, and related subjects are investigated. A specific introduction, inquiring into the contents, historical setting, literary form, and especially the permanent ethical and religious values of a few of the individual books.
102. INTRODUCTION TO THE BOOKS OF THE BIBLE *Two hours*
Continuation of 101.
104. BIBLE HISTORY *Two hours*
A study of the important men and events of Old Testament history up to the time of the Babylonish Captivity, viewed from the standpoint of special revelation.

201. REFORMED DOCTRINE *Two hours*
An advanced course of study in the doctrines of the Christian religion as contained in the Bible and as reflected in the confessional standards of the Reformed Churches.
202. REFORMED DOCTRINE *Two hours*
Continuation of 201.
301. STUDIES IN CALVINISM *Two hours*
An inquiry into the origin and nature of Calvinism, its influence upon the development of religion and political life, as well as the proper application of its principles to these spheres. The course consists of lectures, assigned readings, and essays. Open to Juniors and Seniors. To others only by special permission.
302. HEBREW CULTURE *Two hours*
A study of the geographical, social, civic, and religious customs of the Hebrews, and of the peoples among whom they lived when the Bible arose.

Chemistry

101. GENERAL INORGANIC CHEMISTRY *Four hours*
Three hours in class-room and one laboratory period of four hours per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. Prerequisite: no previous training in chemistry required.
102. GENERAL INORGANIC CHEMISTRY *Four hours*
Continuation of 101. Hours, texts, and fees the same.
- 101N. CHEMISTRY FOR NURSES *Four hours*
A one-semester course designed for students in the pre-nursing course. A survey of inorganic, organic, and biological chemistry as applied to the field of medicine. No prerequisites. Three lectures and one laboratory period per week. Laboratory fee \$3.00. Breakage fee \$5.00.
103. GENERAL INORGANIC CHEMISTRY *Four hours*
Three hours in class-room and one laboratory period of four hours per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. Prerequisite: high school chemistry.
104. GENERAL INORGANIC CHEMISTRY *Four hours*
Continuation of 103. Hours, texts, and fees the same.
201. QUALITATIVE ANALYSIS *Four hours**
Two hours of class-room work, one quiz period, and two laboratory periods of three hours each per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. Prerequisites: 103 and 104, or 101 and 102.
202. QUANTITATIVE ANALYSIS *Four hours**
Two hours in the class-room and from eight to ten hours of laboratory work per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. Prerequisite: 201.
301. ORGANIC CHEMISTRY *Four hours**
Two or three hours of class-room work, one quiz period and two laboratory periods of three hours each per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. Prerequisite: general inorganic chemistry.

302. ORGANIC CHEMISTRY *Four hours**
Continuation of 301. Hours and fees the same. This course deals primarily with aromatic compounds. Prerequisites: general inorganic chemistry and 301.
306. SURVEY COURSE *Two hours*
This course will deal with the history of the development of chemistry, its relation to other sciences, its theories and its methods, as well as its efforts to explain the constitution of matter. Two lectures per week. Not open to Freshmen or chemistry majors.
307. PHYSICAL CHEMISTRY *Four hours*
A semester course designed to satisfy requirements for medical schools and to acquaint the student with fundamental principles, such as kinetic theory of gases, liquids, solutions, conductance, and electromotive force measurements. Three lectures and one laboratory period per week. Laboratory fee, \$3.00, Breakage fee, \$5.00. Prerequisite: Chemistry 201.
308. THEORETICAL CHEMISTRY *Two hours*
A course emphasizing both the older and more recent theories and laws of inorganic and organic chemistry for the purpose of bringing them into a more unified whole. Prerequisites: Chemistry 301 and preferably Physics 201 and 202.
310. QUALITATIVE ORGANIC ANALYSIS *Four hours*
One and one-half hours of lecture and three laboratory periods per week. This course is based on Shriner and Fuson's text. Prerequisite: Chemistry 302.
- 330m. TEACHERS' COURSE *One hour*
Methods of teaching chemistry in secondary schools. Prerequisite: two years of chemistry.

* For students majoring in chemistry five hours will be arranged.

Dutch

A. DUTCH LANGUAGE

101. ELEMENTARY GRAMMAR *Three hours*
Conjugations and declensions. Required outside reading.
102. ADVANCED GRAMMAR *Three hours*
Review. Full declensions. Syntax. Required outside reading.
201. ELEMENTARY DUTCH READING *Two hours*
This course will acquaint the student with the more easy vocabulary of Dutch as found in romantic authors, in some modern Dutch authors, and in folklore.
202. CONVERSATIONAL DUTCH *Two hours*
An effort is made in this course to get students acquainted with the conversational vocabulary as it is found in the Dutch Linguaphone Course.
305. DUTCH RENAISSANCE AND ROMANTICISM *Two hours*
The literature of the Netherlands, 1500-1880, is read and some of the leading authors are discussed.
Special study of Bilderdijk and Da Costa. Required outside reading and essays.

306. MODERN LITERATURE *Three hours*
The modern movements of naturalism, symbolism, and neo-classicism. Required outside reading and essays. Given in 1943-'44.

NOTE: These Courses and Dutch history 326 are required of those who take the pre-Seminary course.

B. MEDIAEVAL AND DUTCH HISTORY

323. THE EARLY MIDDLE AGES (400-1000) *Three hours*
The rise of Christianity and the Carolingian Empire and the rise of Mohammedanism are discussed after a short review of Greek and Roman civilization. Special attention is paid to the Netherlands during the Roman and Frankish periods.
324. FIRST RENAISSANCE (1000-1350) *Three hours*
The Central Middle Ages: Feudalism; France, Germany, and Italy in the feudal period; crusades, rise of cities especially in Italy and the Netherlands; rise of guilds and democracy; rise of universities, new monasticism, Gothic art, and Romantic literature; Dante.
325. SECOND RENAISSANCE AND REFORMATION (1350-1568) *Three hours*
A short review of the history of the Netherlands up to 1350. The age of unrest. The Christian and the Flemish Renaissance; the Italian Renaissance, and its distribution over Western Europe through the Brethren of the Common Life. The Renaissance spirit. The Reformation and its intensive character in the Netherlands.
326. THIRD RENAISSANCE AND REVOLUTION (1568-1815) *Three hours*
The Eighty Years' War. The Dutch Golden Age and its influence on Europe. Dutch commerce and colonization. Wars between the Netherlands and other countries for religious and commercial purposes. The triumph of plutocracy and rationalism in the eighteenth century. The spirit of the French Revolution as manifested in Holland. The rebirth of Calvinism as a political and cultural power after 1815.

C. DUTCH ART

331. FLEMISH PAINTING *Three hours*
The Flemish and Dutch Primitives and Italianizers between 1400 and 1600; Rubens and Van Dyck and their schools. The course is analytical as well as historical.
332. DUTCH PAINTING *Three hours*
The Dutch Renaissance (1600-1700) and the modern Dutch painters.

Economics and Sociology

The courses in economics and sociology are considered as belonging to one department. To avoid confusion in enrolling, the student will please indicate carefully both the number and the name of the course desired.

105. GEOGRAPHY OF NORTH AMERICA *Three hours*
A survey of the elements of the natural environment of the major regions of the United States and Canada in their relationship to the cultural landscape. Intended for those specializing in education or in the social sciences.

106. GEOGRAPHY OF SOUTH AMERICA *Three hours*
A study of the geographic structure of South America in relation to human adjustment and culture. Intended for those specializing in education or in the social sciences.
201. PRINCIPLES OF ECONOMICS *Three hours*
A review of the fundamental principles underlying modern economic life. Not open to Freshmen except by special permission. Students electing 201 are expected to take 202.
202. PRINCIPLES OF ECONOMICS *Three hours*
A continuation of the principles of economics and an application of the same to current industrial problems and institutions.
203. SOCIOLOGY *Three hours*
A study of the underlying social relationships with a view to bringing out the essential oneness of the individual and society; including a discussion of the biological and psychological approaches to the study of society, human nature, public opinion, social organization, democracy, etc. Not open to Freshmen, except by special permission.
204. SOCIAL PROBLEMS *Three hours*
A continuation of 203 with a further application of the principles of sociology to the outstanding social institutions; including a discussion of the more prominent of the present-day social problems.
301. (Economics) THE FINANCIAL ORGANIZATION OF SOCIETY *Three hours*
A study of the nature and functions of money, with a view to the understanding of the complex rôle of currency systems in our national and international life. A detailed study of the functions of banking, the Federal Reserve, private financial institutions, foreign trade, and so forth. Prerequisite: 201 and 202 or their equivalents.
302. (Economics) BUSINESS ORGANIZATION AND COMBINATION (Corporation Finance) *Three hours*
A continuation of 301. The financial promotion of corporations and of trusts. The trust problem.
303. (Economics and Sociology) LABOR PROBLEMS AND TRADE UNIONISM *Three hours*
The historical background of the modern labor movement, the controversies between capital and labor, and the various solutions offered. A careful study of the history, nature, and problems of trade unionism. Prerequisite: 201 and 202, or 203 and 204.
304. (Sociology) THE FAMILY *Two or three hours*
This course will be adapted to suit the needs of the students. It aims, however, at an intensive study of the history of the family as a social and educational institution, and at a thorough discussion of the divorce problem and other problems connected with modern family life. Prerequisites: 203 and 204, or their equivalents.
309. (Sociology) EDUCATIONAL SOCIOLOGY *Three hours*
This course is offered in the department of Education.
308. (Economics) PRINCIPLES OF MARKETING *Three hours*
A study of the marketing functions, the marketing of particular commodities, the functions and modes of operations of middlemen, associate activities affecting marketing, price policies, etc.

SOCIAL CASE WORK

One hour

Sociology students interested in social work have the opportunity of doing volunteer case work for agencies affiliated with the Grand Rapids Community Chest. Where satisfactory arrangements have been made, the college allows one hour of credit per semester for such work.

STATISTICS

A course in statistics is offered in the mathematics department.

Education

A. PSYCHOLOGY

(See description of courses under department of Psychology.)

B. HISTORY

203. HISTORY OF AMERICAN EDUCATION *Three hours*
In this course the educational development in our country will be viewed in the light of the religious, social, economic, and political changes.
305. HISTORY OF EDUCATION *Three hours*
A survey of the growth of educational theory and practice during the ancient and mediæval periods.
306. HISTORY OF EDUCATION *Three hours*
A continuation of 305 covering the modern period.
309. EDUCATIONAL SOCIOLOGY *Three hours*
A study of the social structure and educational practice with emphasis on present-day problems. Credit also for Sociology. But not for both.

C. PRINCIPLES

301. PRINCIPLES OF EDUCATION *Three hours*
A study of the aim of education and of the various underlying problems.
314. PRINCIPLES OF TEACHING IN THE SECONDARY SCHOOLS *Three hours*
The principles of teaching will be discussed in the light of Morrison's *The Practice of Teaching in the Secondary Schools*. The teaching technique in each of the types of subjects in the curriculum is analyzed.
315. PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOLS *Three hours*
Principles governing the directing of learning of children in the elementary school will be taken up.
317. PRINCIPLES OF KINDERGARTEN-PRIMARY GRADES TEACHING *Two or three hours*
The course includes a brief history of past and present trends in kindergarten work; the capital of the child in these grades; the content of the curriculum for grades one, two, and three; and observations in actual classroom situations.

D. TECHNICAL COURSES

101. NATURE STUDY *Three hours*
General introduction to the various phenomena of nature and the methods of teaching nature study in the elementary grades. Credit for A.B. in Education only.
220. TEACHING ARITHMETIC IN ELEMENTARY SCHOOLS *Three hours*
Both content and methods in arithmetic throughout the grades will be considered.
222. TEACHING MUSIC IN THE ELEMENTARY SCHOOLS *Two hours*
The student will get practice to lead a class in the elementary school in singing as the major part of teaching technique in elementary school music. Demonstration lessons will be observed by the class as a whole.
307. SCHOOL ADMINISTRATION *Three hours*
This course aims to discuss the organization and management of state and local school systems.
310. EDUCATIONAL MEASUREMENTS *Three hours*
A survey course of present-day practices of measuring the results of teaching and of mental testing.
320. TEACHING BIBLE IN ELEMENTARY SCHOOLS *Two hours*
321. TEACHING GEOGRAPHY IN ELEMENTARY SCHOOLS *Two hours*
322. TEACHING READING AND CHILDREN'S LITERATURE IN ELEMENTARY SCHOOLS *Three hours*
324. TEACHING HISTORY *Two hours*
A brief survey of the history of our country will be fused with a study of the techniques of teaching history in the elementary and junior high grades.
326. TEACHING ENGLISH IN SECONDARY SCHOOLS *One, two, or three hours*
Content as well as method receives attention. Same as English 330m. Two hours devoted to content; one to method.
328. TEACHING LATIN *Three hours*
Same as Latin 327 and 330m combined.
340. CURRICULUM *Two or three hours*
Emphasis on the courses of studies in the middle grades. Observation required.
341. DIRECTED OBSERVATION OF TEACHING AND LESSON PLANNING *Three hours*
About eighteen hours are spent in the schools of Grand Rapids with specific instructions for directed observation. Each student is required to write four extensive reports. For students planning to teach in the elementary schools. To be taken the first semester of their senior year.
342. DIRECTED OBSERVATION AND LESSON PLANNING *Three hours*
This course is like Education 341 and is for students looking for positions in the junior and senior high schools. To be taken the second semester of their junior year.

343. PRACTICE TEACHING *Five hours*
 Course 341 or 342 is a prerequisite. Offered both semesters.
 At least one method course must precede Practice Teaching.

- 330m. THE TEACHING OF LATIN OR ENGLISH, ETC.
 Teachers' courses offered in the various departments are all indicated by the number 330 followed by the letter m. For description see under the department wanted.

Engineering Subjects

101. MECHANICAL DRAWING *Three hours*
 The principles of orthographic projection; practice in the making of working drawings; practice in lettering; and tracing. Three two and one-half hour drafting-room periods, three hours home work a week.
102. DESCRIPTIVE GEOMETRY *Three hours*
 Exercises, instruction, and drill through the medium of 80 printed plates of problems. Three two-hour drafting-room periods, three hours home work a week. Prerequisite: 101.
201. MECHANISM AND SKETCHING *Two hours*
 Sketching of models in orthographic, isometric, and oblique projection; practice in the making of working drawings from sketches; free-hand lettering. Two two-hour drafting-room periods, two hours home work a week. Prerequisite: 102.
207. SURVEYING *Two hours*
 Elementary theory and practice; use of instruments, reading verniers and angles; running straight lines; traverse survey; computing areas; leveling; profile; grade stakes; note keeping. Lectures, text assignments, one recitation, and one four-hour field period. Prerequisite: Mathematics 104. Offered every even year.
302. STATICS *Three hours*
 Study of fundamental principles of mechanics and their application to the simpler problems of engineering. Forces, components, moments, cables, friction, centroids, moments of inertia. Recitations, lectures, problems. Must be preceded or accompanied by Mathematics 302 and Physics 202 or 202E.

English

103. FRESHMAN ENGLISH *Three hours*
 Composition and rhetoric. This is a basic course required of all Freshmen.
104. FRESHMAN ENGLISH *Three hours*
 This is a continuation of the preceding course. Both 103 and 104 are prerequisites to all other courses in English.
201. AMERICAN LITERATURE *Three hours*
 From the beginning to 1840. A study of the religious, political, social, and artistic background of our national culture, and of leading authors.

202. AMERICAN LITERATURE *Three hours*
 The New England group, post-bellum realism, the historical romance, naturalism, and the new poetry.

205. FROM THE BEGINNING TO 1600 *Three hours*
 Emphasis upon Beowulf, the metrical romance, Chaucer, the humanists, and the non-dramatic writers of the Elizabethan age. Not given in 1945-'46.

207. THE ELIZABETHAN PERIOD *Three hours*
 A study is made of the Renaissance as it manifests itself in literature, particularly in drama. Several plays of Shakespeare are studied.

208. THE SEVENTEENTH CENTURY *Three hours*
 The literature of the whole century is surveyed, with special emphasis upon John Milton and his work.

210. THE EIGHTEENTH CENTURY *Three hours*
 The entire thought background of the eighteenth century, with emphasis on the neo-Classical school and the rise of Romanticism.

301. THE ROMANTIC MOVEMENT *Three hours*
 History and characteristics of Romanticism. Emphasis upon Wordsworth, Coleridge, Byron, Shelley, and Keats.

302. THE VICTORIAN PERIOD *Three hours*
 Survey of the period with special attention to Tennyson, Browning, Matthew Arnold, Clough, and Swinburne.

303. CONTEMPORARY LITERATURE OF ENGLAND *Two or three hours*
 Fiction from 1890 to the present day. The work is related to continental fiction. Open to Seniors.

304. CONTEMPORARY LITERATURE OF ENGLAND *Two or three hours*
 Drama and poetry since 1890 are considered in connection with continental movements and the authors representing them. Open to Seniors.

305. PRINCIPLES OF LITERATURE *Three hours*
 Literature: its place in philological encyclopedia and æsthetics, its nature, its various forms, and kindred topics.

306. ADVANCED RHETORIC *Three hours*
 Open only to those who receive special permission. Not offered in 1944-'45.

310. NINETEENTH CENTURY PROSE *Three hours*
 A study of the prose of the nineteenth century, fiction excluded.

312. THE NOVEL *Three hours*
 A survey of the English novel from the beginning to Meredith.

- 330m. TEACHERS' COURSE *One, two, or three hours*
 Review of grammar and rhetoric, and a study of the methods of teaching English in secondary schools. Prerequisite: at least seven of the courses offered in this department. First Semester.

French

101. **ELEMENTARY FRENCH** *Four hours*
Grammar, pronunciation, composition, dictation, oral drill, and conversation are intended to impart a certain amount of ear-training and ability to understand simple spoken French.
102. **CONTINUATION OF 101** *Four hours*
Text in both courses: Micks & Long, *Fundamental French*. This is followed by the reading of easy prose.
201. **INTERMEDIATE FRENCH** *Three hours*
Reading of about two hundred pages of easy nineteenth century text. Special stress on idiom. Composition based on text read. Prerequisite: 101 and 102.
202. **CONTINUATION OF 201** *Three hours*
Reading of about three hundred pages of modern prose. Composition and thorough review of grammar throughout the year. About seven hundred pages of outside reading is required for the year.
301. **THE ROMANTIC MOVEMENT** *Three hours*
A history of French literature of the first half of the nineteenth century. Collateral reading and reports. Prerequisite: 101 to 202.
302. **NINETEENTH CENTURY — SECOND HALF** *Three hours*
A history of French literature since the middle of the nineteenth century. Collateral reading and reports. Prerequisite: 101 to 202. Anthology in both courses: Schinz, *Nineteenth Century French Readings*, Vols. I and II.
303. **THE CLASSIC PERIOD** *Three hours*
A study of French literature and culture in the seventeenth century as a background for the more detailed study of the classic authors. One drama is read in class, others are assigned for outside reading. Prerequisite: 202.
304. **THE CLASSIC PERIOD** *Three hours*
A continuation of 303, dealing with the later seventeenth century literature, with special attention to Moliere and Racine. A drama of Racine is read in class. A few dramas are assigned for outside reading. Anthology in both courses: Schinz and King's *Seventeenth Century Readings*. Prerequisite: 202 and 303. Courses 303 and 304 are not offered during 1945-'46.
- 330m. **METHODS OF TEACHING MODERN FOREIGN LANGUAGES** *One hour*
Intended for prospective teachers of French in secondary schools. Prerequisite: six of the courses offered in this department.

German

101. **ELEMENTARY GERMAN** *Four hours*
Grammar and composition. Text: Vos, *Essentials of German*.
102. **CONTINUATION OF 101** *Four hours*
Study of grammar continued. Reading of at least one hundred pages of modern prose and poetry.
201. **INTERMEDIATE GERMAN** *Three hours*
Reading of nineteenth century prose. Review of the more important parts of grammar. Composition and dictation. Prerequisite: 101 and 102.

202. **INTERMEDIATE GERMAN CONTINUED** *Three hours*
Intensive study of modern prose and poetry. By stress upon idiom and otherwise, effort is made throughout the year to create *Sprachgefühl*. Outside reading with reports required to the extent of at least eight hundred pages for the year. Prerequisite: 201.
301. **THE ROMANTIC PERIOD** *Three hours*
A survey of German literature of the first half of the nineteenth century. Collateral reading and reports. Prerequisite: 202.
302. **REALISM** *Three hours*
History of German literature since the middle of the nineteenth century. Collateral reading and reports. Prerequisite: 202.
303. **EARLY NINETEENTH CENTURY DRAMA** *Three hours*
A comprehensive study of the lives and works of leading German dramatists of the early nineteenth century. Assigned readings. Papers on related subjects. Prerequisite: 202. Not offered during 1945-1946.
304. **LATER NINETEENTH CENTURY DRAMA** *Three hours*
A study of Hauptmann and Sudermann and their times. Assigned readings and reports. Prerequisites: 202 and 303. Not offered 1945-1946.
305. **THE CLASSIC PERIOD** *Three hours*
A general survey of German literature in the eighteenth century as far as Lessing and with special attention to him. A drama of Lessing read in class. Collateral reading and reports. Prerequisite: 202. Not offered 1945-1946.
306. **THE CLASSIC DRAMA** *Three hours*
A study of the lives and works of Schiller and Goethe. One or two of their dramas are read. Reports on assigned topics. Prerequisite: 202 and 305. Not offered 1945-1946.
320. **SCIENTIFIC GERMAN** *One hour*
Students wishing to take this course should confer with the professor in charge at the opening of the school year.
- 330m. **METHODS OF TEACHING MODERN FOREIGN LANGUAGES** *One hour*
Intended for prospective teachers of German in secondary schools. Prerequisite: six of the courses offered in this department.

Greek

Students who expect to graduate from the pre-Seminary Course must complete Courses 101, 102, 201, 202, 313, 314.

101. **BEGINNERS' GREEK** *Four hours*
Text: Crosby and Schaeffer, *An Introduction to Greek*.
102. **BEGINNERS' GREEK** *Four hours*
Continuation of 101. Completion of the text and the reading of the first book of Xenophon's *Anabasis*, or its equivalent.
201. **XENOPHON** *Three hours*
Selections from the *Anabasis*. Prerequisite: 101 and 102.

202. SELECTIONS FROM PLATO. *Three hours*
Prerequisite: 201.
313. NEW TESTAMENT GREEK *Three hours*
The Gospel according to Mark is read. A study is made of the special features of Hellenistic Greek. The significance of lexical and syntactical detail for the interpretation of the text is everywhere emphasized. Prerequisite: for pre-Seminary students, 202 or 204; others, 102.
314. NEW TESTAMENT GREEK *Three hours*
A study is made of some of the Pauline Epistles. Lectures and discussion on St. Paul and his times. Prerequisite: 313.
315. GREEK CULTURE *Three hours*
No knowledge of Greek is required. The main features of Greek culture (*i. e.* the Greek outlook) are studied. Lectures, discussions, assigned readings. Not open to Freshmen.
316. GREEK THOUGHT AND THE NEW TESTAMENT *Three hours*
No knowledge of Greek is required. Lectures, discussions, assigned readings. Open to Juniors and Seniors.
317. PLATO'S REPUBLIC *Two hours*
No knowledge of Greek is required. The course aims at an understanding and evaluation of Plato's views as presented especially in the Republic. Open to Sophomores, Juniors, and Seniors.
318. GREEK AND ROMAN RELIGION *Two hours*
The course gives a survey of the Greek, Roman, and Græco-Roman religious beliefs and practices from earliest times down to the Advent of Christ. Open to Sophomores, Juniors, and Seniors.

History

101. GENERAL SURVEY OF HISTORY *Four hours*
This course aims to give the student a comprehensive view of the history of civilization from earliest times to 1200 A. D. Required of all students taking the General College Course and of all Pre-Seminary students.
102. GENERAL SURVEY OF HISTORY *Four hours*
A continuation of Course 101. Particular attention is given to the great movements which have been significant in the development of western civilization to the present day.
201. EASTERN EUROPE SINCE 1815 *Three hours*
Russia from 1815 to the near present. Lectures, readings, and reports. Prerequisites: 101 and 102. For Sophomores and Juniors.
202. EASTERN EUROPE SINCE 1815 *Three hours*
The Balkan States, Austria, Hungary, and Czecho-Slovakia. Lectures, readings, and reports. Prerequisites: same as 201.
203. ENGLISH HISTORY TO 1600 *Three hours*
An outline of the political and constitutional history of England. Prerequisites: 101 and 102. For Sophomore and Junior year.
204. ENGLISH HISTORY SINCE 1600 *Three hours*
Continuation of 203, which is prerequisite.

205. EUROPE SINCE 1815 *Three hours*
The general history of Europe since 1815, with emphasis on such topics as the revolutionary movement in France, the unification of Germany, the rise of socialism. Discussion and assigned reading. Presupposes a high school course in general history.
206. EUROPE SINCE 1815 *Three hours*
A continuation of 205, which is prerequisite. Courses 205 and 206 are for Freshmen; open to Sophomores by special arrangement.
301. AMERICAN HISTORY *Three hours*
Lectures and readings. Prerequisite: a high school course in American history.
302. AMERICAN HISTORY *Three hours*
Continuation of 301, which is prerequisite. Courses 301 and 302 are open to Juniors and Seniors.
303. AMERICAN FOREIGN RELATIONS *Three hours*
The diplomatic relations of the United States since 1789 with the principal countries of Europe and with China and Japan. Prerequisite: high school course in American history.
304. AMERICAN FOREIGN RELATIONS *Three hours*
Diplomatic relations with South American countries. Origin and development of the Monroe Doctrine. Courses 303 and 304 open to Juniors and Seniors.
305. LATIN AMERICAN HISTORY *Three hours*
An account of the history, government, and social and economic development of the Central and South American Republics.
323. THE EARLY MIDDLE AGES (400-1000) *Three hours*
See page 40.
324. FIRST RENAISSANCE (1000-1400) *Three hours*
See page 41.
325. SECOND RENAISSANCE AND REFORMATION (1400-1568) *Three hours*
See page 41.
326. THIRD RENAISSANCE AND REVOLUTION (1568-1815) *Three hours*
See page 41.
- 330m. TEACHERS' COURSE
Methods of teaching history in secondary schools. Prerequisite: twenty-one to twenty-two hours of history.

Latin

Students who expect to graduate from the pre-Seminary course must complete courses 201-202; in certain cases substitution of 301-302 or 307-308 will be permitted; 301-302 and 307-308 are taught in alternate years; all other courses are offered each year.

101. ELEMENTARY LATIN *Four hours*
This course covers one unit of Latin for entrance to college and is intended for those who have had no Latin in their high school course.
102. ELEMENTARY LATIN *Four hours*
Continuation of 101. Equivalent to one unit of Latin for admission.

201. INTERMEDIATE LATIN *Three hours*
This course is offered for students who present two units of Latin for admission, or courses 101 and 102 (above). A thorough review of the grammar will accompany the reading of selections from various Latin authors.
202. INTERMEDIATE LATIN *Three hours*
Continuation of 201.
301. CICERO'S PHILOSOPHICAL ESSAYS *Three hours*
The choice of the reading matter will be determined to some extent by the needs of the class, but as a rule, either the *De Amicitia* or the *De Senectute* will be read.
302. AUGUSTAN LATIN *Three hours*
This course comprises selections taken from the outstanding writers of the age of the emperor Augustus.
307. STUDIES IN ST. AUGUSTINE *Three hours*
308. STUDIES IN ST. AUGUSTINE *Three hours*
Continuation of 307.
319. LATIN LITERATURE IN ENGLISH *Three hours*
No knowledge of Latin is required. The masterpieces of Latin literature are presented through the medium of English translations. Some attention is given to the influence which Latin writers have had upon the literatures of subsequent ages.
320. ROMAN CULTURE *Three hours*
Requires no knowledge of the Latin language. The emphasis falls on the development of the constitution, the growth of private law, and the status of education, religion, and philosophy in the Roman world.
327. LATIN GRAMMAR AND WRITING *Two hours*
In this course a thorough review of Latin grammar and syntax will be made, and attention will be given to Latin writing.
This course and 330m may be offered as a three hour methods course in the department of Education. Same as Education 328.
- 330m. TEACHERS' COURSE *One hour*
This course is required of all students who expect to teach Latin, and who seek to obtain a State Teachers' Certificate. In this course study will be made of the problems and methods of teaching secondary Latin.
This course will be offered either the first or second semester to meet the convenience of the students interested.

Mathematics

101. ADVANCED ALGEBRA *Three hours*
For those who have had only one year of algebra in high school.
102. SOLID GEOMETRY *Three hours*
Prerequisite: 101 and plane geometry.
103. COLLEGE ALGEBRA *Three hours*
Prerequisite: 101.
104. PLANE TRIGONOMETRY *Three hours*
Prerequisite: 101 and 103. Students taking the Pre-medical course may be admitted if they have had Course 101.

201. PLANE ANALYTICAL GEOMETRY *Three hours*
Prerequisite: 103 and 104.
202. CONTINUATION OF 201 *Three hours*
Plane analytical geometry completed and introduction to solid analytical geometry.
203. SPHERICAL TRIGONOMETRY *Two hours*
Prerequisite: 102 and 104.
301. DIFFERENTIAL CALCULUS *Five hours*
Prerequisite: 201 and 202.
302. INTEGRAL CALCULUS *Five hours*
Integral calculus and introduction to differential equations.
Prerequisite: 301.
304. DIFFERENTIAL EQUATIONS *Three hours*
Prerequisite: 301 and 302.
305. THEORY OF EQUATIONS *Three hours*
Prerequisite: 301 and 302.
308. STATISTICS *Three or four hours*
Emphasis on statistical methods. Prerequisite: 101 and 104; 103 is highly desirable.
309. ASTRONOMY — DESCRIPTIVE *Two hours*
A study of the solar system, the sidereal universe, and the theory of evolution.
- 330m. TEACHERS' COURSE *One hour*
Discussion of methods of teaching mathematics in secondary schools. Twenty hours of observation work are required.

Music

- 101-102. CHORUS (Calvin Oratorio Society)
The study of representative works of the great masters of choral writing with a view to public performance. Handel's *Messiah* is rendered annually at Christmas time. Another oratorio is presented in the spring.
Open to all who meet the requirements of voice and musicianship.
201. MUSIC THEORY *Three hours*
The elements of music. Drill in notation, time, and rhythmic values, scales, and signatures.
203. HARMONY *Three hours*
A threefold approach to the elements of harmony through the ear, eye, and hand or keyboard. Written work and class exercises. The writing and analysis of hymn tunes and a study of their chords. Primary triads, dominant seventh.
204. HARMONY (Continuation of 203) *Three hours*
Secondary triads, dominant seventh, dominant ninth, and their inversions.
- 207-208. A CAPPELLA CHOIR *One hour*
Representative works in the field of choral literature are studied and a limited number of selections prepared for concert performance. Open only to those who meet the demands of voice and musicianship.

211. MUSIC APPRECIATION *Three hours*

General course designed to develop intelligent discrimination in the listener. Structural principles and aesthetic content of music with reference to the various forms and styles will be considered. The course is planned to give a general idea of the entire realm of music and is intended alike for the technical musician and those who wish to become merely intelligent listeners.

212. CONTINUATION OF 211 *Three hours*

217-218. SINGING *One hour*

Individual lessons for the development of the voice and the memorizing of a repertoire of art songs and arias.

222. MUSIC METHODS *Three hours*

Methods of teaching elementary school music. Teaching of rote songs and simple art songs. Each student has practice in directing the class in singing. Demonstration lessons.

305. HISTORY OF MUSIC *Three hours*

The development of the art of music from the earliest times to the present. Oratorio and church music, the opera, songs, and instrumental music. Biographies of composers. Representative compositions of each main period presented in class. Lectures, collateral reading, term papers, and text-book work. Not offered during 1945-'46.

306. HISTORY OF MUSIC *Three hours*

Continuation of 305.

309. ORGAN *One or two hours*

Foundations and hymns; twelve church pieces of medium grade. Each of these courses comprises twelve lessons and gives one hour credit. Prerequisite: three years of piano. Professor Van Andel.

310. ORGAN

Twelve chorale preludes of Bach, Karg Elert, Dupré, and Brahms; six preludes and fugues of Bach and Mendelssohn; twelve concert pieces of medium grade; four sonatas of Mendelssohn; four major works of modern French composers; twelve units of modern Dutch composers; twelve Bach transcriptions; four major works of Bach, Liszt, Karg Elert, Yon, and Sowerby. Prerequisite: 309. Professor Van Andel.

NOTE: Arrangements have been authorized by the Board of Trustees and are being made by which additional private lessons in vocal and instrumental music will be offered to interested students.

Organic Science

102. HUMAN PHYSIOLOGY *Two hours*

An introductory study of the organization, development, and physiological activities of the human body. The work of this course is so arranged that, if desired, it may be continued in courses 105 and 106. At the same time it is planned to supplement course 103.

103. PERSONAL HYGIENE *Three hours*

The proper care of our bodies and approved practices for the prevention of disease are studied. Courses 102 and 103 together form a unit which is adapted to the needs of students who expect to teach health subjects in the elementary grades.

105. HUMAN ANATOMY AND PHYSIOLOGY *Three hours*

An introduction to the study of human embryology, anatomy, histology, and physiology. This course, together with 106, is planned to meet the needs of students in physical education, pre-medical, pre-dental, and pre-nursing curricula. It is recommended to prospective teachers of hygiene in junior high schools, and also to all students who expect to major in Organic Science. Two hours of lectures or recitations and one laboratory period a week. Laboratory fee, \$3.00.

106. HUMAN ANATOMY AND PHYSIOLOGY *Two hours*

Continuation of course 105.

107. PRINCIPLES OF MICROBIOLOGY *Three hours*

The history of Microbiology and the cultural and morphological characteristics of bacteria, yeasts, and molds are considered. Special emphasis is placed on communicable diseases. This course is adapted to pre-nursing students, but is open to all others. Discussions, quizzes, and demonstrations.

109. PLANT BIOLOGY *Three hours*

A general introduction to the study of plant biology and a brief survey of the plant kingdom. Two hours of lectures and recitations, and three hours of laboratory work per week. Laboratory fee, \$3.00.

110. ANIMAL BIOLOGY *Three hours*

An introductory study of a few animal types selected to illustrate fundamental principles of anatomy, physiology, ecology, parasitology, and classification. Two lectures or recitations and one laboratory period a week. Laboratory fee, \$3.00.

111. GENERAL BOTANY *Four hours*

Formerly 202. Anatomy and physiology of seed plants. Open to freshmen. Three recitations and three hours of laboratory work per week. Laboratory fee, \$3.00.

112. GENERAL BOTANY *Four hours*

Formerly 203. This course with course 111 constitutes a full year's course in botany. A comparative study of plant forms and life histories of representative plants. The course offers a general systematic view of the plant kingdom. Three hours of lectures and quizzes, three hours of laboratory work per week. Laboratory fee, \$3.00.

201. INVERTEBRATE ZOOLOGY *Four hours*

Anatomy, physiology, behavior, and classification of animals representative of the invertebrate groups. Insects and disease-causing forms are emphasized. Three hours of lectures, reports, and recitations; and three hours of laboratory work per week. Laboratory fee, \$3.00.

206. NATURAL HISTORY *Three hours*

A systematic study of the appearance and habits of animals which are more commonly met near our homes, in zoological parks, on pleasure trips, or in literature. Economically important fishes, birds, and fur-bearers will receive special consideration. This course consists of lectures, and library and museum studies. It is intended primarily for general college and education students. It is offered only during the even-numbered years.

297. **GENETICS** *Three hours*
A study of the ways and means by which the inherited characteristics of plants, animals, and man are transmitted from parents to offspring. The course consists of lectures and problems concerning applications of the laws of heredity.
208. **INTRODUCTION TO EMBRYOLOGY** *Three hours*
A study of the development of vertebrate animals. Two hours of lectures and recitations and three hours of laboratory work per week. Laboratory fee, \$3.00.
210. **GENERAL BIOLOGY** *Two hours*
A brief survey of the more significant phenomena and principles of several divisions of biology, such as plant and animal anatomy, physiology, and classification. The interrelations between plants and animals are emphasized. Two hours of lectures or recitations and one hour of demonstrations per week. This course is offered only during the odd-numbered years.
304. **MICROSCOPIC TECHNIQUE** *One hour*
Same as 303. Those who have taken 303 may take this additional hour for more advanced work. Three hours of laboratory work per week. Laboratory fee, \$3.00.
306. **BIOLOGICAL PROBLEMS** *Two hours*
The history of biology and the evidences for evolution and organic teleology are considered. Lectures, assigned readings, recitations, and reports. Prerequisites: 109 and 110 or equivalent courses.
311. **VERTEBRATE ZOOLOGY** *Two hours*
Comparative anatomy and natural history of vertebrates. Evolution problems are emphasized. One recitation and three hours of laboratory work a week. Laboratory fee, \$3.00. Prerequisite: 110. Course 201 is a desirable antecedent.
312. **VERTEBRATE ZOOLOGY** *Three hours*
A continuation of 311. Two lectures and one laboratory period a week. Laboratory fee, \$3.00. Prerequisite: 311.
- 330m. **TEACHING BIOLOGY** *One hour*
Points of view, contents, and methods of teaching secondary biology, and human physiology and hygiene. Prerequisite: twenty hours of Organic Science.

Philosophy

202. **LOGIC** *Three hours*
A course in traditional and elementary symbolic logic. Text and exercises. This is a semester course which is offered both in the first semester and in the second.
203. **INTRODUCTION TO PHILOSOPHY** *Three hours*
A study of the aims and methods of critical reflection and a discussion of representative philosophical problems, especially the Problem of Knowledge. — Lectures, Discussions, Readings. Open to Sophomores.
204. **HISTORY OF PHILOSOPHY: ANCIENT OR GREEK** *Three hours*
An examination of the philosophic questions raised by the Greek mind and an attempt to trace the implicit movement in the proffered solutions. Text, Discussions, Readings. Open to Sophomores.

301. **HISTORY OF PHILOSOPHY: MEDIEVAL** *Three hours*
Especial attention is given to the effect of Christianity on philosophy. Lectures, Discussions, Readings. Prerequisite: 204.
302. **HISTORY OF PHILOSOPHY: MODERN** *Three hours*
A study of the development of philosophical thought from the Renaissance to the present. Text, Discussions, and Papers. Prerequisite: two semesters of Philosophy.
303. **ETHICS** *Three hours*
A course in moral philosophy conducted by way of a critical evaluation of rival ethical theories. Lectures, Readings, Discussions. Open to Juniors and Seniors. Prerequisite: two semesters of Philosophy.
304. **METAPHYSICS** *Three hours*
An attempt, through a consideration of ontological and cosmological problems, to lay bare the outlines of a philosophical System. Discussions, Readings, Paper. Prerequisite: 302.
305. **CONTEMPORARY PHILOSOPHY** *Three hours*
A study of contemporary American philosophy, with special emphasis upon Pragmatism and Realism. — Offered only during the summer session.

Physical Education

Students desiring the degree of A.B. in Education may submit a minor in this department. They should select eight hours from the courses listed here; the remaining seven hours they should select from the following: Organic Science 101, 103, 106, and 205. Only two courses in Physical Education are offered each year. They are open to all except freshmen.

201. **PRINCIPLES AND METHODS OF PHYSICAL EDUCATION AND HEALTH** *Two hours*
202. **COMMUNITY ACTIVITIES** *Two hours*
203. **ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION AND HEALTH** *Two hours*
204. **COACHING OF BASKETBALL** *Two hours*
206. **COACHING OF SPRING SPORTS** *Two hours*

Physics

201. **GENERAL PHYSICS** *Four hours*
Mechanics, sound, and heat. Prerequisite: plane trigonometry. Three recitations and one two-to-three-hour laboratory period a week. Laboratory fee, \$3.00.
202. **GENERAL PHYSICS** *Four hours*
Electricity and light. Continuation of 201. Three recitations and one two-to-three-hour laboratory period a week. Laboratory fee, \$3.00.

201E. GENERAL PHYSICS *Five hours*
 Mechanics, sound, and heat. (Required of all engineering students.) At least half the semester is devoted to elementary mechanics; the remainder of the time to sound and heat. Many experimental illustrations. Four recitations, and one two-to-three-hour laboratory period a week. Prerequisite: plane trigonometry and a preparatory course in physics. Laboratory fee, \$3.00.

202E. GENERAL PHYSICS *Five hours*
 Electricity and light. (Required of all engineering students.) A continuation of 201E. It takes up the fundamental phenomena and laws of electricity and light with ample class illustrations. Four recitations, and one two-to-three-hour laboratory period a week. Laboratory fee, \$3.00.

203. PHYSICS PROBLEM COURSE *One hour*
 Should be preceded by or accompany 201 or 201E. This course consists of the solution and discussion of problems in mechanics, sound, and heat. One recitation a week.

304. MODERN PHYSICS *Three hours*
 A study of physics beginning with the discovery of radioactivity, electricity, the nature of radiant energy, x-ray, atomic spectra, Discussion of subjects such as the atomic nature of matter and molecular structure and radioactivity. Prerequisite: Physics 202 of 202E.

305. SURVEY COURSE *Three hours*
 A non-mathematical presentation of the fields of physics accompanied with demonstrations. Those concentrating in science do not receive credit for this course. No prerequisite. Offered odd years.

Political Science

301. INTRODUCTION TO POLITICAL SCIENCE *Three hours*
 The origin, nature, and essential elements of the state. State forms and forms of government. Sovereignty and the relation of states to one another. Lectures and collateral reading. Given in 1945-'46.

302. INTRODUCTION TO POLITICAL SCIENCE *Three hours*
 Continuation of 301, which is prerequisite.

303. AMERICAN GOVERNMENT *Three hours*
 Practical operation of Federal and state constitutions. The relations of government to the business and social interests of the people. Interpretation of the constitution by the various departments of the government. Given in 1944-'45.

304. AMERICAN GOVERNMENT *Three hours*
 Continuation of 303, which is prerequisite.
 Courses 301 to 304 are open to Juniors and Seniors.

Psychology

201. INTRODUCTORY PSYCHOLOGY *Three hours*
 A general course in psychology for beginners. This course is repeated in the second semester.

202. EDUCATIONAL PSYCHOLOGY *Three hours*
 Course 201, or its equivalent, is a prerequisite.

204. CHILD PSYCHOLOGY *Three hours*
 A study of the physical and mental development of the child. Course 201, or its equivalent, is a prerequisite.

301. MENTAL HYGIENE *Two hours*
 A study of personal attitudes toward reality and the solution of maladjustment by means of integration.

312. THE PSYCHOLOGY OF ABNORMAL PEOPLE *Three hours*
 A study of disorders of sensation, perception, association, and so forth. Some study is made of hypnosis, hysteria, and other subjects usually considered under the heading of abnormal psychology, and especially, too, the phenomena and problems of the psychoses. Psychology 201, or its equivalent, is a prerequisite. This course is open only to seniors and to pre-medical and pre-law students of the junior year who are in their last year of residence.

Speech

ORATORY. One hour of credit for not more than one semester is offered to students who participate in intercollegiate speaking contests.

DEBATING. One hour of credit is given to students who take part in intercollegiate debating.

101. STORY TELLING *Two hours*
 Throughout the course the major emphasis will fall on practice in story telling in view of elementary school needs.

103. SPEECH-MAKING *Two hours*
 The writing and delivery of short original speeches and orations to develop a direct, forceful, conversational style.

104. SPEECH-MAKING *Two hours*
 Continuation of 103, together with a study of speech form and speech qualities.

201. INTERPRETATIVE READING *One hour*
 The principles of interpretation and expression. Oral interpretation of representative selections before the class.

202. INTERPRETATIVE READING *One hour*
 Continuation of 201.

203. GREAT ORATORS *One hour*
 Study of great English orators. Declamations and topical speeches. Not offered during 1945-'46.

204. GREAT ORATORS *One hour*
 Study of great American orators. Declamations and topical speeches.

301. ADVANCED SPEECH COMPOSITION *Two hours*
 A study of the psychological techniques involved in effective speech composition. Speeches and orations. Intended for seniors of the pre-Seminary course.

303. INTERCOLLEGIATE EXTEMPORE SPEAKING *One hour*

305. INTERCOLLEGIATE PEACE ORATORY *One hour*

307. INTERCOLLEGIATE ORATORY (M. I. S. L.) *One hour*

310. INTERCOLLEGIATE INTERPRETATIVE READING *One hour*

311. DEBATING *Two hours*

The theory of argumentation and practice in debating.

312. INTERCOLLEGIATE DEBATING *One hour*

REGISTER OF STUDENTS

Seniors

NAME	HOME ADDRESS
Anema, Grace Winifred	Denver, Colorado
Boerema, Rosemary	Grand Rapids, Michigan
Boes, Ella	Fremont, Michigan
Bouma, Thea Jane	Grand Rapids, Michigan
Brummer, Lucy Ann	Detroit, Michigan
Clark, Joan Frances	Denver, Colorado
Davis, Dorothy Helen	Grand Rapids, Michigan
De Boer, Anne	Grand Rapids, Michigan
Dekker, Doris Rica	Grand Rapids, Michigan
Erffmeyer, Henry Nicholas	Grand Rapids, Michigan
Feenstra, Helen Dorothy	Grand Rapids, Michigan
Flietstra, Julianne H.	Zillah, Washington
Hager, Kathleen, Jane	Grand Rapids, Michigan
Hendrickson, Jeanne	Grand Rapids, Michigan
Hoekenga, Ruth Bernice	Alameda, California
Hofstra, Dorothy Lucile	Grand Rapids, Michigan
Huiner, Margaret	Cicero, Illinois
Huissen, Martha Elizabeth	Grand Rapids, Michigan
Keuning, Irene Ruth	Pella, Iowa
Kromminga, Carl Gerhard	Grand Rapids, Michigan
Meuzelaar, Isaac William	Dolton, Illinois
Meyer, Mildred Pierce	Grand Rapids, Michigan
Oppenhuizen, Jean	Grand Rapids, Michigan
Pleune, Joyce	Grand Rapids, Michigan
Pott, Clarence William	Holland, Michigan
Remein, Quentin Robert	Grand Rapids, Michigan
Resignol, Yvonne C.	Grand Rapids, Michigan
Reus, Jane Mary	Grand Rapids, Michigan
Rodenhouse, Barbara Mae	Grand Rapids, Michigan
Ruiter, Helen Irene	Grand Rapids, Michigan
Schrotenboer, Mildred Jean	Holland, Michigan
Stearns, Gladys Heaney	Grand Rapids, Michigan
Swets, Shirley Kay	Grand Rapids, Michigan
Talen, Alyce Ruth	Rochester, Minnesota
Tinholt, Shirley	Ferrysburg, Michigan
Twight, Margaret Jessie	Whitinsville, Massachusetts
Van Alten, Lloyd	Grand Rapids, Michigan
Vander Baan, Joanne	Whitinsville, Massachusetts
Vander Veer, Lenora	Zeeland, Michigan
Van Halsema, Betsy	Passaic, New Jersey
Van Kuiken, Gerald	Grand Rapids, Michigan
Van Puffelen, John	Grand Rapids, Michigan
Westenburg, J. Margaret	Alamosa, Colorado
Wingard, George F.	Woodland, Michigan
Witteveen, Carey	Holland, Michigan
Wynyarden, Lillian Joan	Grand Rapids, Michigan

Juniors

NAME	HOME ADDRESS
Berends, Henry Owen	Grand Rapids, Michigan
Berghuis, Rozinda	Clara City, Minnesota
Botting, Virginia Ruth	Grand Rapids, Michigan
Brands, Angeline	Long Island, Kansas

NAME	HOME ADDRESS
Brook, Alice Mae	Grand Haven, Michigan
De Jonge, Shirley	Kalamazoo, Michigan
Dekker, Clarice June	Grand Rapids, Michigan
De Leeuw, Nella	Holland, Michigan
De Ruischer, Wilma Lenore	Grand Rapids, Michigan
De Vlieger, Robert William	Grand Rapids, Michigan
de Waard, Leona Alice	Rochester, New York
Dykstra, Jessie	Grand Rapids, Michigan
Dykstra, Joan Florence	Grosse Pointe Park, Michigan
Evenhuis, Robert	Grand Rapids, Michigan
Fakkema, Loretta	Chicago, Illinois
Gunnink, Fannie Bernice	Chandler, Minnesota
Hoeksema, Lois Eunice	Grand Rapids, Michigan
Hoekstra, Charlotte	Grand Rapids, Michigan
Holtrop, Lois Belle	Fremont, Michigan
Huitsing, Grace Evelyn	Cicero, Illinois
Janssen, Ann Mae	Steamboat Rock, Iowa
Joling, Antonia Jeanette	Grand Rapids, Michigan
Kalmink, Audrey Jeanne	Holland, Michigan
Kamstra, Clarence	Grand Rapids, Michigan
Kooistra, Helen Cornelia	Midland Park, New Jersey
Kroon, Kay Gertrude	Grand Rapids, Michigan
Lobbes, Catherine A.	Edgerton, Minnesota
Maatman, Russell Wayne	Frankfort, Illinois
Marlatt, Margaret Leota	Grand Rapids, Michigan
Nieboer, Eleanor	Fremont, Michigan
Petersen, Albertha Marie	Grand Haven, Michigan
Romence, Claude Nicholas	Grand Rapids, Michigan
Selvius, B. Ruth	Grand Rapids, Michigan
Slack, Janet Ruth	Grand Rapids, Michigan
Smedes, Lewis	Muskegon, Michigan
Star, Jean	Grand Rapids, Michigan
Stielstra, Sylvia	Holland, Michigan
Stuit, Anne Marie	Grand Rapids, Michigan
Te Bos, Janice Marie	McBain, Michigan
Tinholt, Lois T.	Holland, Michigan
Van Baak, Edward Anthony	Detroit, Michigan
Vander Ark, Harry G.	Ellsworth, Michigan
Vander Henst, Louise	Grand Rapids, Michigan
Vander Mey, Homer John	Grand Rapids, Michigan
Vander Plaats, Gerrit	Sanborn, Iowa
Vander Puy, Janet Marion	Sheboygan, Wisconsin
Van Dyke, Ervina	Holland, Michigan
Van Dyken, Irene Mae	Lynden, Washington
Van Malsen, Clarence	Grand Rapids, Michigan
Van Til, Evelyn Jean	Lansing, Illinois
Verboom, Mary	Grand Rapids, Michigan
Verhake, Marjorie	Grand Rapids, Michigan
Visser, Martha	Hudsonville, Michigan
Wiersma, Jeanne Eleanor	Grand Rapids, Michigan

Sophomores

NAME	HOME ADDRESS
Baker, Arline Elsie	Uxbridge, Massachusetts
Bazuin, Lugene Aldon	Wayland, Michigan
Beltman, Elaine Ruth	Holland, Michigan
Boerema, Neva	Grand Rapids, Michigan
Boomsma, Johanna	Wheatfield, Indiana
Borske, Marilyn	Manistee, Michigan
Borst, Connie M.	Grand Rapids, Michigan
Bos, Florence	Sunnyside, Washington

NAME	HOME ADDRESS
Bos, Marjorie Mary	Mabton, Washington
Bosma, Louis T.	Paterson, New Jersey
Broers, Peter Carman	Everett, Washington
Burton, Lester Gordon	East Grand Rapids, Michigan
Claerbout, Hazel Faye	Cedar Grove, Wisconsin
Coeling, Elaine Ruth	Grand Rapids, Michigan
De Haan, Robert Frank	Grand Rapids, Michigan
De Jonge, June	Paterson, New Jersey
De Leeuw, Agnes Mae	Sultan, Washington
Den Braber, Phyllis	Grand Rapids, Michigan
Den Herder, Nellie	Chandler, Minnesota
De Vos, Lawrence John	Grand Rapids, Michigan
De Vries, Angela Ruth	Denver, Colorado
de Waard, Elsa Mae	Rochester, New York
De Young, Geraldine Agatha	Muskegon, Michigan
Doornink, Marcelyn Edna	Grand Rapids, Michigan
Ehlers, Frances Johanna	Edgerton, Minnesota
Engbers, Bernard William	Kalamazoo, Michigan
Exoo, Marie	Parma, Ohio
Flietstra, Clarence William	Zillah, Washington
Flokstra, John Hilbert	Grand Rapids, Michigan
Gill, Marion Elizabeth	Grand Rapids, Michigan
Hartgerink, Adele	Oak Park, Illinois
Hertel, Annabelle	Grand Rapids, Michigan
Hofer, Ruth Alice	Bridgewater, South Dakota
Hoffman, Boyd Erwin	Grand Rapids, Michigan
Holmes, Marie Darlene	Grand Rapids, Michigan
Holtrop, Eloise Kathryn	Grand Rapids, Michigan
Ippel, Betty Jane	Kalamazoo, Michigan
Jalving, Josie	Holland, Michigan
Jellema, Gretchen Audrey	Grand Rapids, Michigan
Jonker, Marjorie Gertrude	Grand Rapids, Michigan
Kapteyn, Mildred Clara	Dorr, Michigan
Karsten, Gertrude	Zeeland, Michigan
Kloet, Lois Jeanne	Grand Rapids, Michigan
Knol, Doris Elizabeth	Grand Rapids, Michigan
Kornelis Nicia	Columbus, Montana
Koster, Sebron	Seattle, Washington
Kuiper, Ellen Marie	Sheboygan, Wisconsin
Leys, Wilma Ruth	Sheboygan, Wisconsin
Monsma, Hester Marie	Grand Rapids, Michigan
Olthoff, Geraldine Mae	Grand Rapids, Michigan
Pikaart, Esther Noreane	Oskaloosa, Iowa
Porter, Gwendolyn June	Grand Rapids, Michigan
Pousma, Yvonne Helen	Holland, Michigan
Pray, Marian Elizabeth	Grand Rapids, Michigan
Ravesloot, Grace	South Holland, Illinois
Rosendale, Richard	Wyckoff, New Jersey
Schneider, Kathryn Sophia	Alamosa, Colorado
Schreuder, Maryjean	Grand Rapids, Michigan
Schultze, Elaine Donna	Grand Rapids, Michigan
Shoemaker, Betty Grace	Zeeland, Michigan
Sinke, Gerard C.	Moline, Michigan
Siple, Jeannette Marie	Grand Rapids, Michigan
Spoelstra, Anna	Everett, Washington
Steensma, John	Grand Rapids, Michigan
Stob, Lyia M.	Raymond, Minnesota
Strikwerda, Madge	Grand Rapids, Michigan
Swierenga, Diana Ellen	Chicago, Illinois
System, Jeanette Frances	Haledon, New Jersey
Teitsma, Herman Jr.	Grand Rapids, Michigan
Timmer, Roberta Geraldine	Grand Rapids, Michigan

NAME	HOME ADDRESS
Twilight, Willemina H.	Whitinsville, Massachusetts
Vander Hoven, G. Julia	Grand Rapids, Michigan
Vander Kooi, Bertha	Lynden, Washington
Vander Meer, Betty	Grand Rapids, Michigan
Vanderwerff, Johanna Frances	Duvall, Washington
Van Galen, Mary Ann	Grand Rapids, Michigan
Van Heest, Rhea Johanna	Catskill, New York
Van Laar, Jack	New Era, Michigan
Van Rossum, Jean Ann	Flint, Michigan
Van Sloten, Laura Coreen	Rudyard, Michigan
Van Wesep, Helen J.	Frankfort, Michigan
Vonhof, Betty Arlene	Denver, Colorado
Westrate, Donna Ruth	Grand Rapids, Michigan
Wiersum, John B. F.	Berwyn, Illinois
Zandstra, Alice Jessie	Grandville, Michigan
Zandstra, Joan Claire	Grand Rapids, Michigan
Zylstra, Marjorie Jean	Everett, Washington

Freshmen

NAME	HOME ADDRESS
Abbas, Lucille Fannie	Ackley, Iowa
Alberda, Marvin Edgar	Grand Rapids, Michigan
Alderink, Dolores Betty	Pease, Minnesota
Apol, Isaac John	Byron Center, Michigan
Axford, Thomas Bernard	Sparta, Michigan
Bareman, Gladys June	Holland, Michigan
Berghouse, Betty Virginia	Falmouth, Michigan
Bergsma, Hildegard Wilma	Ellsworth, Michigan
Bergsma, Stuart Kenneth	Grand Rapids, Michigan
Berkompas, Ruth Evelyn	Rudyard, Michigan
Betten, Anthony James	Marion, Michigan
Beukema, Nellie Marie	North Hollywood, California
Bieri, Vivian Louise	Lowell, Michigan
Bille, Albertus	Brandon, Wisconsin
Blacquiore, John Jr.	Holland, Michigan
Bloem, Richard Leonard	Grand Rapids, Michigan
Blom, Frank	Pella, Iowa
Blom, Lois Gertrude	Highland, Indian
Bode, Celia Mae	Parkersburg, Iowa
Bordewyk, Wilma Ruth	Grand Rapids, Michigan
Borst, John William	Grand Rapids, Michigan
Bosch, Edith Thersa	East Saugatuck, Michigan
Bouma, Julie Anne	Edgerton, Minnesota
Bouman, Cornelia	Holland, Michigan
Brunink, Eleanor	Cadillac, Michigan
Bult, Joanne Mae	Grand Rapids, Michigan
Buwalda, Marian Ruth	North Muskegon, Michigan
Colsman, Marvin John	Denver, Colorado
Cooke, Miriam Jane	Detroit, Michigan
Cooper, Mary Joan	Grand Rapids, Michigan
Crozier, Catherine Mary	Detroit, Michigan
Datema, Patricia Evelyn	Grand Rapids, Michigan
De Boer, Frank Edward	Grand Rapids, Michigan
De Bruyn, Bette Agnes	Grand Rapids, Michigan
De Haan, Dorothy	Grand Rapids, Michigan
De Haan, Ruth	Pease, Minnesota
De Jong, Paul Donald	Pella, Iowa
Dekker, Cornelia	Artesia, California
Dekker, Eugene Earl	Willard, Ohio
De Kock, Margie Norene	Holland, Michigan
De Kruyter, Arthur Henry	Grand Rapids, Michigan

NAME	HOME ADDRESS
Den Bleyker, Rachel June.....	Holland, Michigan
De Nise, Barbara Jean.....	Grand Rapids, Michigan
De Nooyer, Gerald Jacob.....	Kalamazoo, Michigan
De Nooyer, Jerry Lee.....	Kalamazoo, Michigan
Deur, Joyce Thera.....	Fremont, Michigan
De Vries, Doris May.....	Grand Rapids, Michigan
De Vries, Lois Mina.....	Grand Rapids, Michigan
De Young, Marvin.....	Grand Rapids, Michigan
Ditmar, Jane Antoinette.....	Grand Rapids, Michigan
Droge, Angeline Mae.....	Grand Rapids, Michigan
Droogsma, Violet Lorraine.....	Milaca, Minnesota
Drost, Josephine Grace.....	Grand Rapids, Michigan
Dykema, Gertrude.....	Markesan, Wisconsin
Dykhouse, Delphine Ann.....	Grand Rapids, Michigan
Dykstra, John Marvin.....	Grand Rapids, Michigan
Dykstra, Julia Charlotte.....	Grand Rapids, Michigan
Dykstra, Lucille Dorothy.....	Grosse Pointe, Michigan
Elsloo, Frances Anne.....	Grand Rapids, Michigan
Ensing, Vera Mae.....	Grand Rapids, Michigan
Estie, Eleanor Louise.....	Lynden, Washington
Fahner, Gladys Marie.....	Pierson, Michigan
Feddes, Roelena.....	Bozeman, Montana
Feringa, Harold William.....	Grand Rapids, Michigan
Feringa, Jean Doris.....	Grand Rapids, Michigan
Ferwerda, Agnes Eloise.....	Grand Rapids, Michigan
Fikse, Dena.....	Hills, Minnesota
Geene, Robert Willis.....	Grand Rapids, Michigan
Glashower, Eleanore Anne.....	Grandville, Michigan
Gosselink, Thelma Arlene.....	Pella, Iowa
Grainger, Betty Jeanne.....	Grand Rapids, Michigan
Gritter, Gordon William.....	Grand Rapids, Michigan
Grysen, Jerome Curtis.....	Grand Rapids, Michigan
Ham, Beatrice Jean.....	Muskegon, Michigan
Hendriksen, Eleanor Bernice.....	Kalamazoo, Michigan
Heronimus, Calvin Henry.....	Holland, Iowa
Herweyer, Leona Maxine.....	McBain, Michigan
Hilferink, Mary.....	Grand Rapids, Michigan
Hofman, Leonard John.....	Grand Rapids, Michigan
Hollander, Alfred Harold.....	Ireton, Iowa
Holtrop, Eleane Ruth.....	Fremont, Michigan
Holtrop, John Maxwell.....	Rochester, New York
Holwerda, Wilma Jeanne.....	Marion, Michigan
Huizenga, Gertrude Lida.....	Morrison, Illinois
Iwema, Terry.....	Cicero, Illinois
Jaarsma, Helen Mae.....	Upland, Indiana
Jansma, Eldred Jane.....	Cambria, Wisconsin
Jensen, Jack Albert.....	Grand Rapids, Michigan
Jellema, Gay Marie.....	Bloomington, Indiana
Jellema, M. Gay.....	Grand Rapids, Michigan
Jipping, Lucille Mae.....	Holland, Michigan
Johnsen, Merle Elaine.....	Grand Rapids, Michigan
Johnson, Grace Edna.....	Zeeland, Michigan
Kamps, Roland Maurice.....	Rehoboth, New Mexico
Klomparens, Millie Frances.....	Grand Rapids, Michigan
Klooster, Gerald.....	Hammond, Indiana
Klosterman, Ruth Marcia.....	Kalamazoo, Michigan
Kolkema, Marva Jean.....	Muskegon, Michigan
Kool, William.....	Holland, Michigan
Koopman, Harold Edwin.....	Grand Rapids, Michigan
Kroon, James Lee.....	Grand Rapids, Michigan
Kruis, Mary Jean.....	Hudsonville, Michigan
Kuipers, Emma Ruth.....	Grand Rapids, Michigan

NAME	HOME ADDRESS
Kuipers, Jane Beatrice.....	Grand Rapids, Michigan
LaBotz, Gertrude Marguerite.....	Grand Rapids, Michigan
Landaal, LaVerne Beatrice.....	Sheldon, Iowa
Larsen, Beulah Mae.....	Coral, Michigan
Lautner, Betty Joyce.....	Kent City, Michigan
Leestma, Rien.....	Grand Rapids, Michigan
Lindeman, Alice Martha.....	Chicago, Illinois
Lipscomb, Milo.....	Grand Rapids, Michigan
Malestein, John Theodore.....	Midland Park, New Jersey
Medendorp, John Calvin.....	Racine, Wisconsin
Medendorp, Marguerite Janet.....	Racine, Wisconsin
Meeusen, Donna Jean.....	Holland, Michigan
Meindertsma, Laura.....	Coopersville, Michigan
Mersman, Phyllis V.....	Grand Rapids, Michigan
Miersma, Carolyn Ruth.....	Holland, Michigan
Miner, Eleanor Louise.....	Grand Rapids, Michigan
Moes, Joanne.....	Gainesville, Florida
Monmsma, Lawrence Kuyper.....	Grand Rapids, Michigan
Morrison, Lauretta Joyce.....	Coopersville, Michigan
Muiderman, Joanne.....	Grand Rapids, Michigan
Muilenberg, Marvin Eugene.....	Grand Rapids, Michigan
Mulder, Thelma Gertrude.....	Grand Rapids, Michigan
Mulder, Warren Hudson.....	Grand Rapids, Michigan
Muusse, Ina June.....	Grand Rapids, Michigan
Muusse, Jay Howard.....	Grand Rapids, Michigan
Muyskens, Charlotte Mae.....	Grand Rapids, Michigan
Nagel, Donovan William.....	Kandiyohi, Minnesota
Nowak, Frank Victor.....	Grand Rapids, Michigan
Oliver, Lorraine Ruth.....	Grand Rapids, Michigan
Oostema, John James.....	Chicago, Illinois
Paauw, Donald Jacob.....	Sultan, Washington
Pallak, Steven.....	Mahwah, New Jersey
Palmbos, Elaine Donna.....	Holland, Michigan
Petroelje, Garrietta.....	Holland, Michigan
Piersma, Elton James.....	Grand Rapids, Michigan
Pluymert, Anna Mae.....	Highland, Indiana
Poel, Wendell Henry.....	Grand Rapids, Michigan
Poppen, Arlene Mae.....	Pecatonica, Illinois
Poppen, Lois Marie.....	Muskegon, Michigan
Post, William.....	Grand Rapids, Michigan
Posthuma, Roger Dean.....	Grand Rapids, Michigan
Postma, Kaye Joan.....	Grand Rapids, Michigan
Pott, Ethelyn Betty.....	Wayland, Michigan
Primus, Bernice Jayne.....	Steamboat Rock, Iowa
Putt, Charlene Jane.....	Fulton, Illinois
Quimby, John Irving.....	Grand Rapids, Michigan
Reitsma, Alice.....	Grand Rapids, Michigan
Riemersma, Fannie.....	Grand Rapids, Michigan
Riepma, John Louis.....	Kalamazoo, Michigan
Rinck, Grace Marie.....	Grand Rapids, Michigan
Roskamp, Claude Louis, Jr.....	Grand Rapids, Michigan
Roth, Orville Francis.....	Muskegon, Michigan
Roukema, Richard William.....	Paterson, New Jersey
Ryskamp, H. Elaine.....	Grand Rapids, Michigan
Schacknies, Mata Ella.....	Omaha, Nebraska
Schaver, Jeanne Lorraine.....	McBain, Michigan
Scholten, Esther Lois.....	Holland, Michigan
Schoolland, Lucille Mae.....	Alamosa, Colorado
Schripsema, Corinne.....	Grand Rapids, Michigan
Schultze, William Carl.....	Prairie City, Iowa
Seekman, Harold Adolph.....	Coopersville, Michigan
Seven, J. Marvin.....	Grand Rapids, Michigan

NAME	HOME ADDRESS
Sietsema, John Henry	Grand Rapids, Michigan
Sinke, Marie L.	Moline, Michigan
Smit, Harvey Albert	Grand Rapids, Michigan
Smitter, Mary Esther	Grand Rapids, Michigan
Solle, Henry	Evergreen Park, Illinois
Spaman, June Marian	Grand Rapids, Michigan
Stanton, Donald F.	Omaha, Nebraska
Steenstra, Annette Marie	Grand Rapids, Michigan
Stevens, Gwendolyn Mary	Fremont, Michigan
Swagman, Esther Ruth	Grand Rapids, Michigan
Swanson, Norine Rae	Grand Rapids, Michigan
Swierenga, John Bart	Grand Rapids, Michigan
Sytsema, Maxine Ruth	Grand Rapids, Michigan
Talen, Gerald August	Rochester, Minnesota
Talsma, George Jr.	Hudsonville, Michigan
Terpstra, Gerard Herman	Manhattan, Montana
Timmer, Arleen Ruth	Holland, Michigan
Timmer, John Dorr	Grand Rapids, Michigan
Twight, Floyd Fortuin	Whitinsville, Massachusetts
Van Andel, Bette Jean	Battle Creek, Michigan
Van Antwerpen, Willard	Grand Rapids, Michigan
Vanden Bosch, Vernis Lenore	Buena Park, California
Vandenburg, Alma Theadora	Chicago, Illinois
Vanden Hoek, Harold Lee	Grand Rapids, Michigan
Vander Meulen, Ruth Elaine	Fremont, Michigan
Vander Mey, Gerritt Gerald	Sumas, Washington
Vander Puy, Harriet Jean	Sheboygan, Wisconsin
Vandertill, Joy Elizabeth	Grand Rapids, Michigan
Vander Vennen, Berdela	Grand Rapids, Michigan
Vander Weele, Harry	Sheboygan, Wisconsin
Vander Wood, Jack	Grand Rapids, Michigan
Van Driel, Willys Alice	Larchwood, Iowa
Van Dyk, Kathleen	Ridgewood, New Jersey
Van Dyke, John Henry	Highland, Indiana
Van Eenennaam, Peter Louis	Grand Rapids, Michigan
Van Genderen, Marian H.	Clifton, New Jersey
Van Haitsma, Arlene Ruth	Zeeland, Michigan
Van Halsema, Bernice Audrey	Passaic, New Jersey
Van Haveren, Donald David	Sheboygan, Wisconsin
Van Heest, Madge Elaine	Lansing, Illinois
Van Heest, Marguerite Ann	Grand Rapids, Michigan
Vanhethloo, Gordon Maurice	Ionia, Michigan
Van Kleef, Barbara Jean	Grand Rapids, Michigan
Van Reken, Stanley Robert	Paterson, New Jersey
Van Till, Marjorie Hilda	Ripon, California
Van Wieren, Kenneth	Holland, Michigan
Van Woerkom, Charles Arthur	Grand Haven, Michigan
Veenstra, Paul Jay	Ellsworth, Michigan
Venema, Claude John	Grand Rapids, Michigan
Verboom, Dorothy Jacoba	Grand Rapids, Michigan
Verlare, Dolores Anne	Sheboygan, Wisconsin
Ver Meer, Bertha	Pella, Iowa
Vetten, Charlotte June	Sheboygan, Wisconsin
Veurink, Hattie Albertha	Milaca, Minnesota
Vogel, John Floyd	Grand Rapids, Michigan
Voss, Donald Henry	Baltic, Ohio
Voss, John Alvin	Grand Rapids, Michigan
Vredevoogd, Clarence	Marion, Michigan
Walhout, Edwin	Muskegon, Michigan
Weaver, Alice Mae	Fremont, Michigan
Wind, Henry Peter	Everett, Washington
Wingeier, Vivian Ferne	Alto, Michigan

NAME	HOME ADDRESS
Witt, John Edward	Holland, Michigan
Witte, Wilmer Roy	Midland Park, New Jersey
Wolters, Norma Jane	Holland, Michigan
Wolters, Phyllis Anne	Grand Rapids, Michigan
Woudenberg, Evelyn Lois	Grand Rapids, Michigan
Woudenberg, Fred William	Grand Rapids, Michigan
Wynyarden, Martin Kempers	Grand Rapids, Michigan
Zandee, Norma Elaine	Grand Rapids, Michigan
Zeeuw, Franklin Henry	Paterson, New Jersey
Zeilstra, Frances	Cicero, Illinois
Zoet, Beatrice Marie	Zeeland, Michigan
Zylstra, Edwin Roger	Lynden, Washington

Unclassified

NAME	HOME ADDRESS
Berends, Helen	Grand Rapids, Michigan
Booker, Grace Hudspeth	Newaygo, Michigan
Boslooper, Thomas David	Grand Rapids, Michigan
Busscher, Dena	Grand Rapids, Michigan
Coryell, Rex Sherman	Grand Rapids, Michigan
De Winter, Ruth Jean	Grand Rapids, Michigan
Goudberg, Kathryn Ruth	Grand Rapids, Michigan
Hall, Robert McYntire	Grand Rapids, Michigan
Heerema, Elizabeth Frances	Grand Rapids, Michigan
Hugan, Viola	Grand Rapids, Michigan
Hunter, Estelle	Grand Rapids, Michigan
Jellema, Bonnie June	Grand Rapids, Michigan
Koert, Catherine Frances	Grand Rapids, Michigan
Koets, Magdalena Jennie	Grand Rapids, Michigan
Klomp, Gertrude Marian	Hudsonville, Michigan
Kraker, Helen J.	Hudsonville, Michigan
Linn, Robert Rickey	Grand Rapids, Michigan
Munger, Maureen Marie	Grand Rapids, Michigan
Muusse, Marian K.	Grand Rapids, Michigan
Putnam, Florence	Grand Rapids, Michigan
Stewart, Robert Gordon	Coopersville, Michigan
Stouten, Leonard Dennis	Grand Rapids, Michigan
Takens, Maxine Louise	Grand Rapids, Michigan
Vander Kaay, Louis	Grand Rapids, Michigan
Vander Vennen, Della	Grand Rapids, Michigan
Van Vliet, Theodore	Grand Rapids, Michigan
Van Zalen, Jean	Grand Rapids, Michigan
Walcott, Alfred	Grand Rapids, Michigan
Weidenaar, Effie	Grand Rapids, Michigan
Wieland, Malois	Grand Rapids, Michigan
Wierenga, Robert John	Grand Rapids, Michigan

Summer Session (1944)

NAME	HOME ADDRESS
Aldrink, Ethel Mae	Zeeland, Michigan
Aster, Gertrude	Grand Rapids, Michigan
Avery, Arthur J.	East Grand Rapids, Michigan
Baas, Jean Ruth	McBain, Michigan
Baas, Neal	McBain, Michigan
Ballast, Katie Henrietta	Zeeland, Michigan
Bazuin, Lugene Aldon	Wayland, Michigan
Berends, Henry Owen Jr.	Grand Rapids, Michigan
Berghuis, Rozinda M.	Clara City, Minnesota
Blanchard, Emily M.	Grand Rapids, Michigan

NAME	HOME ADDRESS
Bliss, Vera E.	Grand Rapids, Michigan
Boerema, Rosemary	Grand Rapids, Michigan
Borduyn, Grace	Grand Rapids, Michigan
Borst, John William	Grand Rapids, Michigan
Bos, John R.	Hudsonville, Michigan
Bosch, Shirley Madalene	Comstock Park, Michigan
Bosman, Jeanne	Baldwin, Wisconsin
Bossenbroek, Bertha	Waupun, Wisconsin
Bossler, Ruth Alwilda	Grand Rapids, Michigan
Boven, Susan	McBain, Michigan
Brown, Shirley June	Grand Rapids, Michigan
Crandell, Geraldine Joy	Grand Rapids, Michigan
Davidson, Arthur E.	Grand Rapids, Michigan
Davis, Dorothy Helen	Grand Rapids, Michigan
De Blaay, Elizabeth	Grand Rapids, Michigan
De Boer, Theodore	Pella, Iowa
De Graaf, Arietta Mae	Prairie City, Iowa
De Groot, Agnes Mae	Volga, South Dakota
De Haan, Marvin Roger	Grand Rapids, Michigan
De Haan, Mary Ann	Kalamazoo, Michigan
De Haan, Richard William	Grand Rapids, Michigan
Dekker, Dorothy Mae	Willard, Ohio
De Kruyter, Arthur Henary	Grand Rapids, Michigan
de Lange, Helen	Glendale, California
De Ruischer, Wilma Lenore	Grand Rapids, Michigan
De Vos, Lawrence John	Grand Rapids, Michigan
De Vries, Barbara Jane	Zeeland, Michigan
De Vries, Bessie	Aplington, Iowa
De Wind, Lois Mae	Muskegon, Michigan
De Winter, Ruth Jean	Grand Rapids, Michigan
De Young, Marvin	Grand Rapids, Michigan
Dilley, Dorothy Faye	Grand Rapids, Michigan
Droogsma, Dena	Princeton, Minnesota
Dykshorn, Janet Elizabeth	Corsica, South Dakota
Dykstra, John Marvin	Grand Rapids, Michigan
Ede, Gertrude Alice	Grand Rapids, Michigan
Ellis, Marguerite	Grand Rapids, Michigan
Eng, William J.	Grand Rapids, Michigan
Erfmeyer, Henry Nicholas	Grand Rapids, Michigan
Evenhuis, Robert	Grand Rapids, Michigan
Fischer, Doris Elizabeth	Grand Rapids, Michigan
Fox, Sally Ann	Grand Rapids, Michigan
Glass, Mary Anne	Grand Rapids, Michigan
Griffin, Gretchen Mae	Grand Rapids, Michigan
Grysen, Jerome Curtis	Grand Rapids, Michigan
Haan, Alida	Grand Rapids, Michigan
Haines, Rhea Annetta	Grand Rapids, Michigan
Haveman, Johanna	Hull, Iowa
Herman, Gertrude Emelyn	Grand Rapids, Michigan
Herron, Charlotte Frances	Grand Rapids, Michigan
Higgins, Celeste	Grand Rapids, Michigan
Holwerda, Esther Jean	Grand Rapids, Michigan
Holwerda, Harriet Ella	Randolph, Wisconsin
Janssen, Ann Mae	Steamboat Rock, Iowa
Johnston, Clare Cornelius	Grand Rapids, Michigan
Kempenaar, Sylvia Kathryn	Randolph, Wisconsin
Kern, Claire	Grand Rapids, Michigan
Klomp, Gertrude Marian	Hudsonville, Michigan
Koets, Magdalena Jennie	Grand Rapids, Michigan
Kraak, Ruth Leona	Zeeland, Michigan
Kromminga, Carl Gerhard	Grand Rapids, Michigan
Lautner, Betty Joyce	Kent City, Michigan

NAME	HOME ADDRESS
Lehnen, Dorothy K.	Grand Rapids, Michigan
Lesley, Betty M.	Grand Rapids, Michigan
Lutke, Margaret J.	Marion, Michigan
Marlatt, Margaret Leota	Grand Rapids, Michigan
Masselink, Grace Bernice	Edgerton, Minnesota
Masselink, Jeanette Eleanor	Edgerton, Minnesota
Medendorp, John Calvin	Racine, Wisconsin
Mellema, Martin	Grand Rapids, Michigan
Meuzelaar, Isaac William	Dolton, Illinois
Meyer, Mildred Pierce	Grand Rapids, Michigan
Meyering, Helene A.	Grand Rapids, Michigan
Moerland, June Louise	Grand Rapids, Michigan
Murray, Norma Campbell	Coopersville, Michigan
Nelson, Mary Jane	Battle Creek, Michigan
Nobel, Rose	Hull, Iowa
Nowak, Frank Victor	Grand Rapids, Michigan
Oosterhouse, Henriette Ruth	Grand Rapids, Michigan
Osman, Helen	Grand Rapids, Michigan
Petersen, John Aldrick	Redlands, California
Postma, Rica Lillyan	Rothbury, Michigan
Postma, Grace F.	Rothbury, Michigan
Pott, Clarence William	Holland, Michigan
Putt, Charlene Jane	Fulton, Illinois
Raabe, Virginia	Grand Rapids, Michigan
Reid, Geneva G.	Grand Rapids, Michigan
Rinsema, Grace	Gary, Indiana
Ross, Vivolyn Maxine	Wellsburg, Iowa
Ruster, Hester	Coopersville, Michigan
Saur, Norman Dean	Grand Rapids, Michigan
Schaaf, Evelyn	Falmouth, Michigan
Schmitt, Alma Z.	Grand Rapids, Michigan
Sikkema, Annette	Grand Rapids, Michigan
Slykhouse, Eleanor Louise	Grand Rapids, Michigan
Smedes, Lewis	Muskegon, Michigan
Starn, Mary Kathryn	Grand Rapids, Michigan
Steensma, John	Grand Rapids, Michigan
Strating, Marie	Pease, Minnesota
Streby, James Emerson	Grand Rapids, Michigan
Stryker, Albert John	Grand Rapids, Michigan
Takens, Maxine Louise	Grand Rapids, Michigan
Talsma, Anna Rose	Shelbyville, Michigan
Teele, Robert Mortimer	Grand Rapids, Michigan
Terpstra, Charles	Oskaloosa, Iowa
Terpstra, Gerard Herman	Manhattan, Montana
Thomas, Lillian	Grand Rapids, Michigan
Thorp, Ella	Howard City, Michigan
Tibbet, Ernest Ward	Grandville, Michigan
Timmerman, Clara Rika	McBain, Michigan
Uitvlugt, Jacob	Newmarket, Ontario, Canada
Van Antwerpen, Willard	Grand Rapids, Michigan
Van Baak, Edward Anthony	Detroit, Michigan
Vanden Berg, Harriet	Volga, South Dakota
Vanden Bosch, Gertrude	Grand Rapids, Michigan
Vander Henst, Louise	Grand Rapids, Michigan
Vander Jagt, Anne	Grand Rapids, Michigan
Vander Vennen, Della	Grand Rapids, Michigan
Van Doorn, Gayl	Grand Rapids, Michigan
Van Dyke, Janet	Grand Rapids, Michigan
Van Kley, Betty Catherine	Orange City, Iowa
Van Laar, Jack	New Era, Michigan
Van Puffelen, John	Grand Rapids, Michigan
Van Someren, Frances	Baldwin, Wisconsin

NAME	HOME ADDRESS
Van Straten, Alice Grey.....	Grand Rapids, Michigan
Van Zalen, Jean.....	Grand Rapids, Michigan
Van Zanten, Nellie Mae.....	Grand Rapids, Michigan
Verhake, Marjorie M.....	Grand Rapids, Michigan
Versluis, Lois Ruth.....	Grand Rapids, Michigan
Walcott, Alfred.....	Grand Rapids, Michigan
Wassenaar, Theola Mae.....	Grand Rapids, Michigan
Wiersma, Winifred.....	Grand Rapids, Michigan
Wiersum, John B. F.....	Berwyn, Illinois
Withey, Gladys May.....	Grand Rapids, Michigan
Yonker, Gertrude.....	Grand Rapids, Michigan
Zoerhof, William Robert.....	Grand Rapids, Michigan

TOTAL ENROLMENT	
Seniors	46
Juniors	54
Sophomores	87
Freshmen	239
Unclassied	31
Summer School	146
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	603
Deduction for Double Count.....	38
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	565