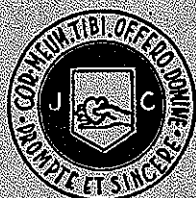


# Calvin College

An Institution of the Christian Reformed Church

YEARBOOK  
1945 - 1946



Academic Record for 1945-1946  
Announcements for 1946-1947

GRAND RAPIDS, MICHIGAN

1945-1946

# *Calvin College*

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Announcements for 1946-1947**

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## 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

1946

### General Session

Beginning of first semester and enrolment of freshmen .....	September 4
Enrolment of upper classmen and opening exercises .....	September 5
Re-examinations .....	September 5-7
Thanksgiving recess .....	November 21-24
Christmas vacation begins .....	December 20, 6:00 P. M.

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Christmas vacation ends .....	January 7, 7:00 A. M.
Final examinations .....	January 7-15
First semester closes .....	January 15
Registration for the second semester .....	January 16-17
Spring vacation begins .....	March 21, 6:00 P. M.
Spring vacation ends .....	April 1, 7:00 A. M.
Re-examinations .....	April 4-5
Meeting of Board of Trustees .....	May 21
Final examinations .....	May 21-29
Commencement .....	June 3

### Summer Session

Enrolment .....	June 19, 9:00 A. M.
Classes begin .....	June 20
Independence Day recess .....	July 4
Summer session closes .....	July 31

### General Session

Beginning of the first semester and enrolment of freshmen .....	September 3
Enrolment of upper classmen and opening exercises .....	September 4
Re-examinations .....	September 4-6

## BOARD OF TRUSTEES

### OFFICERS

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THE REV. HERMAN DYKHOUSE .....	Vice-President
THE REV. JOHN GRITTER .....	Secretary

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The Rev. Gerrit Hoeksema .....	Chicago, Illinois (Classis Chicago, South)
The Rev. Richard J. Frens, Th.M. ....	Grand Rapids, Michigan (Classis Grand Rapids, East)
The Rev. John Gritter .....	Grand Rapids, Michigan (Classis Grand Rapids, South)
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The Rev. Jacob T. Hoogstra, Ph.D. ....	Holland, Michigan (Classis Holland)
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The Rev. Donald J. Drost .....	Cleveland, Ohio (Classis Kalamazoo)
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(Classis Sioux Center)

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(Classis Wisconsin)

The Rev. Herman Dykhous.....Jamestown, Michigan  
(Classis Zeeland)

### EXECUTIVE COMMITTEE

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Rev. John Gritter, Secretary  
Rev. Herman Dykhous  
Dr. J. T. Hoogstra  
Rev. Edward J. Tanis  
Rev. Richard Veldman

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Rev. Richard J. Frens, Secretary	Rev. John J. Hiemenga
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Rev. Donald Drost	Rev. Edward B. Pekelder
Mr. John Hekman	Mr. Fred L. Winter

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Mr. Henry J. Voss, Assistant Treasurer.....1117 Neland Ave., S.E.

### ADMINISTRATION

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Henry J. Ryskamp, Ph.D.....Dean of the College  
Harry G. Dekker, M.S.....Registrar  
Mrs. Grace H. Bruinsma, A.M.....Dean of Women  
Lambert J. Flokstra, Ph.D.....Director of Teacher Placement

Josephine Baker, A.M.L.S.....Librarian  
Mrs. Esther Bierma, A.B.....Assistant in the Library

### SECRETARIAL STAFF

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Caroline Veen.....Recorder and Office Secretary  
Lena Bossenbroek.....Office Secretary  
Marilyn J. Zwier.....Office Clerk

Miss Jessie Bylsma.....Housemother, Calvin Hall  
Mrs. Anna Dolfin.....Housemother, Calvin Dormitory  
Mrs. J. Kruithof.....Housemother, 1342 Franklin Street, S.E.  
Mrs. C. Hazebrook.....Housemother, 1338 Franklin Street, S.E.  
Mr. and Mrs. M. Schreur.....Dietitians, 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 of the Latin Language and Literature, Emeritus*  
737 Benjamin Avenue, S.E. Telephone 5-1221

JACOB G. VAN DEN BOSCH, A. M.  
*Professor of the English Language and Literature, Emeritus*  
857 Bates Street, S.E. Telephone 5-6054

ALBERT E. BROENE, A. B.  
*Professor of Modern Languages, Emeritus*  
1417 Thomas Street, S.E. Telephone 3-3835

JOHANNES BROENE, A. M.  
*Professor of Education and Psychology, Emeritus*  
619 Prince Street, S.E. Telephone 3-5070

JOHN P. VAN HAITSM, PH. D.  
*Professor of Organic Science*  
1027 Benjamin Avenue, S.E. Telephone 3-5306

JAMES NIEUWDORP, B. S.  
*Professor of Mathematics, Emeritus*  
1046 Fuller Avenue, S.E. Telephone 5-3765

HENRY J. G. VAN ANDEL, A. M.  
*Professor of Holland Language and Literature*  
1231 Giddings Avenue, S.E. Telephone 5 5096

PETER HOEKSTRA, PH. D., *Secretary*  
*Professor of History and Political Science....*  
1015 Worden Street, S.E. Telephone 5-5057

RALPH STOB, PH. D.  
*Professor of Classical Languages*  
1301 Calvin Avenue, S.E. Telephone 3-0775

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

H. HENRY MEETER, TH. D.  
*Professor of Bible*  
1045 Fuller Avenue, S.E. Telephone 5-7692

HENRY VAN ZYL, PH. D.  
*Professor of Educational Methods*  
1143 Fuller Avenue, E. Telephone 5-6600

SEYMOUR SWETS, A. M.  
*Professor of Public Speaking and Music*  
1300 Underwod Avenue, S.E. Telephone 5-1229

LAMBERT J. FLOKSTRA, PH. D.  
*Professor of Education*  
 1126 Alto Avenue, S.E. Telephone 3-5979

EDWIN Y. MONSMA, PH. D.  
*Professor of Organic Science*  
 719 Fuller Avenue, S.E. Telephone 5-9861

HARRY J. WASSINK, A. B., B. S.  
*Professor of Physics and Engineering*  
 R. R. 5. Holland, Michigan Telephone 6-6849

WILLIAM THOMAS RADIUS, PH. D.  
*Professor of Classical Languages*  
 1341 Colorado Avenue, S.E. Telephone 5-1407

JOHN DE VRIES, PH. D.  
*Professor of Chemistry*  
 851 Calvin Avenue, S.E. Telephone 3-8438

ALBERT H. MUYSKENS, A. M.  
*Professor of Mathematics*  
 1557 Philadelphia Avenue, S.E. Telephone 5-6752

HENRY STOB, TH. M., PH. D.  
*Associate Professor of Philosophy*  
 1334 Sherman Street, S.E.

RICHARD DROST, PH. D.  
*Associate Professor of History*  
 1220 Sherman Street, S.E. Telephone 5-0951

HENRY ZYLSTRA, PH. D.  
*Associate Professor of English*  
 922 Virginia Street, S.E. Telephone 8-5823

JOHN THOMAS DALING, PH. D.  
*Acting Associate Professor of Philosophy and Psychology*  
 3150 West Leonard Road Telephone 7-4717

GORDON BUTER, A. M.  
*Instructor in Economics and Sociology*  
 238 Lafayette Avenue, N.E. Telephone 8-5122

JOHN J. TIMMERMAN, A. M.  
*Associate Professor of English*  
 1016 Neland Avenue, S.E. Telephone 5-0697

MRS. GRACE H. BRUINSMA, A. M.  
*Dean of Women*  
 1929 Sylvan Avenue, S.E. Telephone 3-2395

BERNARD FRIDSMA, A. M.  
*Associate Professor of German*  
 1017 Alto Avenue, S.E.

WILLIAM SPOELHOF, PH. D.  
*Associate Professor of History*  
 2460 Almont Avenue, S.E.

EARL U. STRIKWERDA, PH. D.  
*Associate Professor of History and English*  
 1316 Griggs Street, S.E. Telephone 5-5971

HENRY R. VAN TIL, A. B., TH. M.  
*Associate Professor of Bible*

JOHN CHARLES BULT, A. B.  
*Instructor in charge of Physical Education*  
 1236 Dunham Street, S.E. Telephone Glendale 2-1126

HAROLD DEKKER, A. B., TH. B.  
*Instructor in Speech*  
 1012 Knapp Road, N.E. Telephone 7-4929

GERTRUDE SLINGERLAND, A. M.  
*Instructor in History and English*  
 330 Diamond Avenue, S.E. Telephone 8-6026

MARTIN KARSTEN, A. M.  
*Instructor in Organic Science*  
 1156 Neland Avenue, S.E. Telephone 5-0758

JOHN TULS, A. M.  
*Instructor in Mathematics and Physics*  
 101 Fuller Avenue, S.E.

DONALD HERBERT BOUMA, A. M.  
*Acting Instructor in Sociology*  
 116 Brown Street, S.W. Telephone 3-9992

JOHN ROBERT HUIZENGA, A. B.  
*Acting Instructor in Chemistry*

JOSEPHINE BAKER, A. M., A.M.L.S.  
*Librarian*  
 1025 Tamarack Avenue, N.W. Telephone 8-5744

JOHN HAROLD BRATT, A. B., TH. B., TH. M., S.T.M.  
*Assistant in English and Speech*

CATHERINE VAN OPYNEN, A. M.  
*Assistant in English and Education*  
 374 Donald Place, S.E.

MRS. GRACE HOLTROP, A. M.  
*Assistant in Education and Speech*  
 928 Worden Street, S.E. Telephone 3-1758

HELEN VAN LAAR, A. B.  
*Assistant in Art*  
 1319 Sigsbee Street, S.E. Telephone 6-5083

LEWIS SMEDES, A. B.  
*Assistant in Latin*  
 1400 Bemis Street, S.E. Telephone 8-0247

ROBERT G. SETTERGREN, B. S.  
*Assistant in Drawing*

### Committees of the Faculty

- ATHLETICS—De Vries, Bult, Muyskens, Tuls, Timmerman.
- BOARDING PLACES AND DORMITORY—Wassink, Muyskens, Drost, Bruinsma, Slingerland, Van Til, Daling.
- BOOK STORE—Monsma, Karsten, Drost, Wyngaarden.
- DISCIPLINE—Hoekstra, R. Stob, Van Haitsma, Spoelhof, Bruinsma.
- EDUCATIONAL POLICY—Radius, Monsma, Van Zyl, H. Stob, Zylstra, De Vries.
- LIBRARY—Van Andel, Zylstra, Strikwerda.
- PLACEMENT BUREAU—Flokstra, Van Zyl, Van Opynen.
- PUBLICATIONS—Timmerman, Radius, Fridsma.
- RELIGIOUS AND SOCIAL ACTIVITIES—Meeter, Bruinsma, Van Andel, Swets, Strikwerda.
- SCHOLARSHIP AND GUIDANCE—Dekker, Ryskamp, Bruinsma, Flokstra, R. Stob, Harold Dekker, Meeter.

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### *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.

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.

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## ADMISSION

**A**LL 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

**B**EGINNING 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

#### A. FOREIGN LANGUAGE GROUP

A sequence consists of work in a single language, not in the combination of two languages. The foreign languages acceptable are: Greek, Latin, French, German, Spanish, and

Dutch ..... { 0, 2, 3  
0, 2, 3

#### B. MATHEMATICS-PHYSICS GROUP

A minor sequence in this group must include 1 unit of algebra and 1 unit of plane geometry. A major sequence is formed by adding to this minor sequence 1 or more units from the following:

Adv. algebra.....½ or 1 unit      Trigonometry .....½ unit  
Solid geometry.....½ unit      Physics ..... 1 unit 0, 2, 3

#### C. NATURAL SCIENCE GROUP

Physics .....1 unit      Zoölogy .....1 unit  
Chemistry .....1 unit      Biology (botany, ½ unit  
and zoölogy, ½ unit)  
Botany .....1 unit      1 unit ..... 0, 2, 3

#### D. SOCIAL STUDIES GROUP

Ancient history, 1 unit  
European history, 1, 1½, or 2 units  
American history, ½ or 1 unit  
American government, ½ unit  
Economics, ½ unit 0, 2, 3

Minimum requirements from above groups..... 10

The remaining units required to make up the necessary 15 units required are elective from among the subjects listed above and such others as are usually counted toward graduation by the accredited school. The Dean, however, has the right to reject such credits as the institution considers undesirable. One unit of foreign language may be offered under this group ..... 5

Total..... 15

Physics may not be counted in both of the Groups B and C as part of a sequence.

If biology is counted, neither botany or zoölogy may be counted.

English history may be included under European history. World history may be included when accompanied by a second full year of history.

Half units in the social studies are acceptable as part of a sequence only if taken in the eleventh or twelfth grade.

Students who plan to meet the Bachelor of Arts degree requirements would be wise not to omit more than one of the above groups in selecting sequences and should, if possible, complete one language sequence in high school.

**NOTE:** Pre-seminary students should present, if possible, 2 units of high school German and 2 units of high school Latin for admission. Pre-medical, pre-dental, and pre-engineering students should present, if possible, 1½ units of algebra, 1 unit of high school chemistry, and 1 unit of high school physics.

PLAN B. ADMISSION BY EXAMINATION. Applicants who are unable to furnish approved certificates, and who are therefore unable to meet the first requirement of Plan A, may be admitted if by passing examinations satisfactorily they can meet the other requirements of Plan A. Further particulars regarding such examinations may be obtained from the Dean.

PLAN C. PROVISIONAL ADMISSION. An applicant for admission whether on Plan A or B, who meets all the requirements save that he fails by not more than one unit to satisfy the requirements either as to prescribed work or as to distribution of work, may be admitted provisionally. Such deficiency must, however, be removed during the first year of residence.

### Admission of Returning War Veterans

Men and women in the Armed Services who plan to enter college after their discharge should have a transcript of their high school record and previous college record mailed to Calvin College at their earliest convenience. Veterans who have spent time in the Army Specialized Training Program or the Navy College Training Program and who wish to return to Calvin should request the Registrar of the institution at which they received this training to forward a transcript of the credits earned to Calvin College. Advanced credit will be given for all such courses as can be applied toward degree requirements.

Calvin College has been recommended by the State as an institution of higher education for the training of discharged service men. Further information or counsel will be furnished gladly upon request.

### Advanced Standing

ADVANCED STANDING (in other words, college credit) is granted in the following cases:

1. When the applicant submits from an accredited college, junior college, or normal school, a certificate of honorable dismissal and a transcript of the studies pursued. However, no applicant is allowed more than sixteen hours of credit for each semester of work taken at some other recognized institution.
2. When the applicant, at the time of entrance, passes satisfactory examinations in the subjects in which he desires advanced standing.
3. When the applicant submits from an accredited high school, in excess of sixteen units for admission, credits in subjects which

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

APPLICANTS 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

**A**LL 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.

**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 \$100.00 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 \$75.00 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 \$57.50 a semester.

For students residing east of the Ohio River the tuition fee is \$52.50 a semester; for two students from one family residing in the region defined, the tuition fee for each is \$41.00 a semester.

For students residing west of the Mississippi River but east of Montana, Wyoming, Colorado, and New Mexico, the tuition fee is \$52.50 a semester; for two students from one family residing in the region defined, the tuition fee for each is \$41.00 a semester.

For students residing in Montana, Wyoming, Colorado, New Mexico, or in points west of these states, the tuition fee is \$32.50 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 \$8 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.

**SUMMER SESSION.** The tuition fee is \$8 per semester hour of credit.

**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 \$5.00 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

**L**IVING EXPENSES, including board, room rent, fuel, light, laundry, and text books, are from \$450.00 up per year.

### Board and Room with Private Families

**B**OARD in private families will cost from \$10 to \$12 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

**W**OMEN STUDENTS may obtain board and room at the college dormitory for \$200.00 a semester. 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.

### Residence Halls for Girls

**T**HREE large residences in the southeast section of the city are the property of the institution and provide our girls with better living accommodations at the lowest cost. These homes are under direct control of the faculty and each is in the personal charge of a housemother. The girls work out part of their room and board, net expenses amounting to about \$8.50 a week. This amount may vary with the changing of food prices.

## STUDENT AID

### Scholarships and Prizes

**U**NIVERSITY 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 SCHOLARSHIP.**—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

**I**N 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

**T**HE library contains more than 30,000 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

**A**LL Freshman and Sophomore men students 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. Girl's 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

**T**HE 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
B	Exceptional.	3
A	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

**R**EGULAR 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

**A**FTER 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

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

### Dismission

**A**DMISSION 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

**T**HE COLLEGE graduates or certified 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 foreign 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 have earned credit for foreign language in high school may have this credit applied toward the fulfillment of the college language requirement. For the purpose of evaluating high school credit in a foreign language one year of foreign language in high school will be regarded as the equivalent of one semester in college.
- c. The student is advised to make his choice of foreign languages, particularly his choice of a modern foreign language, 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 and Secondary Provisional-Permanent Certificates are given under Education.

### 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, or 307, 308....	6
Chemistry 306 .....	2	Math. 309, (Astronomy).....	2
Dutch Language .....	15	Org. Science 210, 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 1946-'47)

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	
	Hours		Hours
Dutch 101 .....	3	Dutch 102 .....	3
English 103 .....	3	English 104 .....	3
History 101 .....	4	History 102 .....	4
Latin 201 .....	3	Latin 202 or 308 .....	3
Public Speaking 103 .....	2	Public Speaking 104 .....	2
	<hr/> 15		<hr/> 15

*Sophomore Year*

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

*Junior Year*

	Hours		Hours
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
	<hr/> 16		<hr/> 17

*Senior Year*

FIRST SEMESTER		SECOND SEMESTER	
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		
	<hr/> 15		<hr/> 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 Teacher's Certificate the student must complete:

*a. Calvin College requirements:*

- (1) A major field of 24 hours and two minors of at least 15 hours for either high school or elementary school positions; or four minors for elementary school positions only.
- (2) Bible 101, 102, 201, 202, 301.....10 hours
- (3) English 103, 104 .....
- (4) History .....
- (5) Natural Science .....
- (6) Foreign language.....4 semesters of one foreign language.

Students who have earned credit for foreign language in high school may have this credit applied toward the fulfillment of the college language requirement.

For the purpose of evaluating high school credit in a foreign language, one year of foreign language in high school will be regarded as the equivalent of one semester in college. The student is advised to make his choice of a foreign language in consultation with the Dean.

*b. The Michigan 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, and 343 .....

4. FOR PROSPECTIVE HIGH SCHOOL TEACHERS (Grades seven through twelve).

a. Majors and minors may be chosen from the following subjects:

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

b. Prospective teachers in secondary schools must also take Speech 103 or 104, Education 342, and at least one method course from the following:

- Education 220, 307, 310, 324, 326, 328, 340, 330m .....

5. FOR PROSPECTIVE ELEMENTARY SCHOOL TEACHERS (Kindergarten through grade eight).

a. Prospective elementary teachers may select majors and minors from the list under 4a, but two of these must be in subjects or subject fields taught in the elementary grades.

b. Prospective elementary teachers are advised preferably to select four minors as follows:

- (1) *English* studies: Credits earned in English literature, Rhetoric, Speech, Reading, Story Telling count towards this minor.
- (2) *Art* studies: Music, Fine Arts, Industrial Arts, Drawing.
- (3) *Social* studies: Economics, Geography, History, Political Science, Sociology, Ethics.
- (4) *Science* studies: Organic Science, Psychology, Physics, Chemistry Mental Hygiene.

c. Prospective teachers in elementary grades are urged to include in their courses:

- (1) Art 227 or 228 (no credit) and Art 301..... 3 hours
- (2) Geography 105 or 106..... 3 hours
- (3) Education 220, 320, 321, 322, 324 or 222, 341 or 342.....15 hours
- (4) Music 201 and Speech 103 or 104 or 101..... 4 hours
- (5) Of the above 25 hours under 5c (1), c (2), c (3), and c (4), at least 15 hours *must* be taken by every student.

6. The State Board of Education in Michigan upon graduation at Calvin gives the students Provisional Certificates valid for five years, to be converted into Permanent Certificates provided:

- a. The applicants have taught three years successfully.
- b. They have earned ten additional semester hours of credit.

**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 a 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:

*Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
Bible 101 .....	2 hours	Chemistry 104 .....	4 hours
Chemistry 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
	<hr/> 15 hours		<hr/> 16 hours

*Sophomore Year*

Bible 201 .....	2 hours	Bible 202 .....	2 hours
Chemistry 201 .....	4 hours	Chem. 202 or elective.....	4 hours
French or German.....	4 hours	French or German.....	3 hours
Organic Science 201.....	4 hours	Organic Science 208.....	3 hours
Physics 201 .....	4 hours	Physics 202 .....	4 hours
	<hr/> 17 hours		<hr/> 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		
	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 .....	Bible 102 .....
English 103 .....	English 104 .....
Latin .....	Elective .....
Mathematics or Science.....	Logic .....
Psychology .....	Mathematics or Science.....
Public Speaking .....	Public Speaking .....

*Sophomore Year*

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

*Junior Year*

Bible 301 .....2 hours	English .....3 hours
English .....3 hours	History 302 .....3 hours
History 301 .....3 hours	Political Science .....3 hours
Political Science .....3 hours	Latin 320 (Rom. Cul.).....3 hours
Elective .....3 hours	Elective .....2 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 101 .....2 hours	Chemistry 103 .....4 hours	Drawing 102* .....3 hours	Chemistry 104 .....4 hours
Drawing 101* .....3 hours	English 103 .....3 hours	English 104 .....3 hours	Mathematics 104 .....3 hours
Mathematics 108 .....3 hours		Pub. Speaking 103 or 104.....2 hours	
	15 hours		15 hours

*Sophomore Year*

Drawing 201* .....2 hours	Economics 201 .....3 hours	Mathematics 201 .....3 hours	Physics 201E .....5 hours	Physics 203 .....1 hour	Surveying 207* .....2 hours	Bible 102 or 202.....2 hours	Economics 202 .....3 hours	Mathematics 202 .....3 hours	Physics 202E .....5 hours	Physics 204 .....1 hour	Elective .....2 hours
	16 hours		16 hours								

*Junior Year*

Bible 301 .....2 hours	Chemistry 301 .....4 or 5 hours	Mathematics 301 .....5 hours	Elective .....5 hours	Statics 302* .....3 hours	Mathematics 302 .....5 hours	Modern Physics 304 .....3 hours	Elective .....5 hours
	16 or 17 hours		16 hours				

**Three-Year Chemical Pre-Engineering Course**

*Freshman Year*

Bible 101 .....2 hours	Chemistry 103 .....4 hours	English 103 .....3 hours	Drawing 101* .....3 hours	Mathematics 103 .....3 hours	Chemistry 104 .....4 hours	English 104 .....3 hours	Drawing 102* .....3 hours	Mathematics 104 .....3 hours	Public Speaking .....2 hours
	15 hours		15 hours						

*Sophomore Year*

Chemistry 201 .....5 hours	Mathematics 201 .....3 hours	Drawing 201* .....2 hours	Physics 201E .....5 hours	Physics 203 .....1 hour	Bible 102 or 202.....2 hours	Chemistry 202 .....5 hours	Mathematics 202 .....3 hours	Physics 202E .....5 hours	Physics 204 .....1 hour
	16 hours		16 hours						

*Junior Year*

Bible 301 .....2 hours	Chemistry 301 .....5 hours	Economics 201 .....3 hours	Mathematics 301 .....5 hours	Chemistry 302 .....4 hours	Economics 202 .....3 hours	Mathematics 302 .....5 hours	Modern Physics 304 .....3 hours	Statics 302* .....3 hours
	15 hours		18 hours					

\* See Engineering Subjects.

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 101 .....	2 hours	Bible 102 .....	2 hours
Economics 103 .....	3 hours	Economics 104 .....	3 hours
English 103 .....	3 hours	English 104 .....	3 hours
Lab. Science .....	3 or 4 hours	Lab. Science .....	3 or 4 hours
One of the following:		One of the following:	
Foreign Language, His-		Foreign Language, His-	
tory, Mathematics .....	3 hours	tory, Mathematics .....	3 hours

#### Sophomore Year

FIRST SEMESTER		SECOND SEMESTER	
Bible 201 .....	2 hours	Bible 202 .....	2 hours
Economics 201 .....	3 hours	Economics 202 .....	3 hours
*Economics 305 .....	4 hours	*Economics 306 .....	4 hours
Economics 301 or 303 .....	3 hours	Economics 302 or 308 .....	3 hours
Psychology .....	3 hours	Philosophy 202 .....	3 hours
**Public Speaking 103 .....	2 hours	**Public Speaking 104 .....	2 hours

**NOTE:** This course is arranged to enable the student to meet the requirements of schools such as the Northwestern School of Commerce and the University of Michigan which begin their commerce courses in the Junior year. Students who desire to remain at Calvin College three years before attending a school of commerce should consult the Dean before selecting their courses. Such institutions as the University of Michigan and Harvard University require an A.B. degree for admission to their Graduate Commerce Schools. The time required to earn the M.A. degree in such schools will depend upon the student's preparation in college.

### Major in Business Administration

Candidates for a Bachelor's degree from the General College Course may select their subjects with a view to obtaining a major in Business Administration. They should complete the subjects prescribed for the General College Course (see P. 26). To complete the major group requirements they should elect 24 hours in Economics and 12 hours in another department listed in Group III (see P. 27). They may elect to complete their minor group requirement by selecting subjects either in Group I or in Group II. The 24 hours in Economics must include Economics 201 and 202 and Economics 305 and 306.

\* Economics 305 and 306 (Accounting) may be elected by Sophomores who plan to remain at Calvin only two years.

\*\* Required either in the Freshman or Sophomore year.

### 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		

\* Required courses.

#### 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-year course has been arranged to meet the requirements for admission to The

Marion Louise Withey School of Nursing, Blodgett Memorial Hospital.

FIRST SEMESTER		SECOND SEMESTER	
Bible 101 .....	2 hours	English 104 .....	3 hours
English 103 .....	3 hours	Psychology 201 .....	3 hours
Chemistry 101N .....	3 hours	Organic Science 106 .....	2 hours
Hygiene } (Hosp.) .....	2 hours	Nutrition .....	3 hours
Nursing Arts } .....		Pharmacology .....	1 hour
Microbiology .....	3 hours	Nursing Arts .....	2 hours
Organic Science 105 .....	3 hours	Prof. Adjustment .....	1 hour
		Physical Education .....	2 hours
	16 hours		17 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 twenty-eight months at The Marion Louise Withey School of Nursing, Blodgett Memorial Hospital, 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 101 .....	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 or physical education are not acceptable as advanced credit toward the 94 hours of college work.

The required college courses in the 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 (Inorganic) .....	8 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

74-81 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 doctrine 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 people among whom they lived when the Bible arose.

### Chemistry

101. GENERAL CHEMISTRY *Four hours*  
 A non-technical course designed for students who do not need chemistry for pre-professional study. This course is a terminal course and includes a survey of inorganic and organic chemistry. Credit earned in this course can be applied to the laboratory science requirement for graduation. Three hours in class-room and one three-hour laboratory period per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. No prerequisites.
102. GENERAL CHEMISTRY *Four hours*  
 Continuation of 101. Hours, texts and fees the same.
103. GENERAL INORGANIC CHEMISTRY *Four hours*  
 This course is designed for students who plan to take further work in the department, e.g., chemistry majors, pre-medical, pre-dental, and pre-engineering students. Three hours in class-room and one three-hour laboratory period per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. No prerequisites, although a knowledge of high school chemistry is desirable.
104. GENERAL INORGANIC CHEMISTRY *Four hours*  
 Continuation of 103. Hours, texts and fees the same.
- 101N. CHEMISTRY FOR NURSES *Three 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. Three lectures, augmented by several demonstrations, per week. No prerequisites.
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.
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. Laboratory fee, \$3.00. Breakage fee, \$5.00.
- 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.
102. ADVANCED GRAMMAR *Three hours*  
Review. Full declensions. Syntax. Required outside reading.
201. READING AND COMPOSITION *Two hours*  
This course combines easy to moderately difficult reading with grammar review and composition. Required outside reading.
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 Lingua-phone Course. Outside reading.
305. MODERN LITERATURE *Two hours*  
The outstanding prose writers and poets after 1880 are read and the movements of naturalism, symbolism, neo-romanticism and neo-vitalism are discussed. Required outside reading and essays.
306. RENAISSANCE AND ROMANTICISM *Three hours*  
The leading authors of the Renaissance and the Romantic Movement. Required outside reading and essays.

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

### B. MEDIÆVAL 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. THE HIGH MIDDLE AGES (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. THE RENAISSANCE IN FLANDERS AND ITALY 1350-1550 *Three hours*  
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.
326. DUTCH HISTORY (1500-1815) *Three hours*  
A short review of the history of the Netherlands up to 1500. The Precursors of the Reformation and the Reformation in the Netherlands. 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.

103. ECONOMIC HISTORY (United States) *Three hours*  
A review of the economic development of this country from the time of colonization to the present day. Special emphasis is placed on the development of the transportation system, the history of the tariff question, the development of unionism, the history of the banks, and the development of government regulation in our economic system. Offered the first semester.
104. ECONOMIC GEOGRAPHY *Three hours*  
A study of the physical factors of the environment and man's relationship to them. The subject is approached from the point of view of the various occupations in which man is engaged, and these occupations are carried on in the world. Offered the second semester.



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.
205. FIELDS OF SOCIAL WORK *Three hours*
206. CRIMINOLOGY AND DELINQUENCY *Three hours*
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 (Corporate 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.
305. ESSENTIALS OF ACCOUNTING *Four hours*  
An introductory course in accounting. Intended to give students the necessary accounting background for entrance into schools of business administration or for business uses when graduating from Calvin. Emphasis is placed on the principles of accounting and the accounting procedure in corporations. A one hour laboratory period is held each week for application of the material. Prerequisite: 201 and 202 or their equivalents.
306. ESSENTIALS OF ACCOUNTING *Four hours*  
Continuation of 305.

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.
309. (Sociology) EDUCATIONAL SOCIOLOGY *Three hours*  
This course is offered in the department of Education.  
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 330*m*. Two hours devoted to content; one to method.
328. TEACHING LATIN *Three hours*  
Same as Latin 327 and 330*m* 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 student 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.

## 330*m*. 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 aesthetics, 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 late 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 FRENCH LANGUAGES *One hour*  
Intended for prospective teachers of French in secondary schools. Prerequisite: six of the courses offered in this department.

### Geography

104. ECONOMIC GEOGRAPHY *Three hours*  
For description see Economics and Sociology.
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.
107. GEOGRAPHY OF THE CARIBBEAN AREA *Three hours*  
An intensive study of the history, industries, agriculture, and commerce of Mexico, Central America, and the Greater and Lesser Antill's, and an examination of the elements of the environment which contribute to the strength and weakness of these countries.
108. GEOGRAPHY OF THE FAR EAST AND THE PACIFIC AREA *Three hours*  
A study of the geographic and historical background of India, China, Japan, Soviet Asia, Australia, and minor areas of the Far East and the Pacific. The course also deals with the geographic aspects of certain problems dealing with industry, agriculture, and population.

321. TEACHING GEOGRAPHY IN ELEMENTARY SCHOOLS *Two hours*  
This course may be counted as credit in Geography toward an A.B. degree in Education except in cases in which it is the student's only course in teaching methods.

### 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. Not offered 1946-'47.
302. REALISM *Three hours*  
History of German literature since the middle of the nineteenth century. Collateral reading and reports. Prerequisite: 202. Not offered 1946-'47.
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.
304. LATER NINETEENTH CENTURY DRAMA *Three hours*  
A study of Hauptmann and Sudermann and their times. Assigned readings and reports. Prerequisites: 202 and 303.
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 is read in class. Collateral reading and reports. Prerequisite: 202. Not offered 1946-'47.
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 1946-'47.
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 in 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 TO 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.
208. AMERICAN HISTORY *Three hours*  
This course is designed to meet the requirement in American History for prospective teachers. Open only to those students taking the two-year Teacher Training Course.
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*
324. THE HIGH MIDDLE AGES (1000-1350) *Three hours*
325. THE RENAISSANCE IN FLANDERS AND ITALY (1350-1550) *Three hours*
326. DUTCH HISTORY (1500-1815) *Three hours*

### Latin

Students who have had two units of Latin in high school should meet their Pre-Seminary or General College ancient language requirement by taking 201 and 202. Students, whether Pre-Seminary or General College, who have completed 101 and 102 should follow these courses

with either 301 and 302, or 307 and 308. Those who wish to follow a Latin major should consult with the instructor in charge before registering.

101. ELEMENTARY LATIN *Four hours*  
Text: Thompson, Tracy, Dugit *Essential Latin*.
102. ELEMENTARY LATIN *Four hours*  
Continuation of 101. Same text as above.
201. INTERMEDIATE LATIN *Three hours*  
For students who have had two units of Latin in high school. A thorough review of the grammar will accompany the reading of selections from various Latin authors. Texts: Hettich and Maitland *Latin Fundamentals*.
202. INTERMEDIATE LATIN *Three hours*  
Continuation of 201.
301. CICERO'S PHILOSOPHICAL ESSAYS *Three hours*  
Review of grammar based on *Oxford Latin Review*. Reading of one or more of the following: *De Amicitia*, *De Senectute*, *Tusculanae Disputationes*. Not offered 1946-'47.
302. READINGS IN LATIN PROSE AND POETRY *Three hours*  
Selections drawn from the following Roman writers: Catullus, Cicero, Horace, Livy, Lucretius, Martial, Ovid, Pliny the Younger, Propertius, Tibullus and Vergil. Text: Duff *Silva Latina*. Not offered 1946-'47.
307. READINGS IN THE CHURCH FATHERS *Three hours*  
Review of grammar based on *Oxford Latin Review*. Selections drawn from the writings of Tertullian, Minucius Felix, Cyprian, Lactantius, Ambrose, St. Jerome and St. Augustine. Text: Hebert *Selections From the Latin Fathers*.
308. READINGS IN THE CHURCH FATHERS *Three hours*  
Continuation of 307. Same text as above.
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 Premedical 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 and 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.
114. NATURE STUDY *Three hours*  
An introduction to the study of the living world and to the methods of teaching nature study.

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 during the even-numbered years.
207. 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, Discussion, 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 (Offered in 1946-'47) *Two hours*
203. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION AND HEALTH *Two hours*
204. COACHING OF BASKETBALL (Offered in 1946-'47) *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 or 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 1946-'47.
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 1946-'47.
304. AMERICAN GOVERNMENT *Three hours*  
Continuation of 303, which is prerequisite. Courses 301 or 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

One hour of credit is given respectively for participation in intercollegiate oratory, debating, interpretative reading, and extempore speech.

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 special types of speech, including after dinner speeches, discussion, and debating. Course 103 is a prerequisite.
201. **INTERPRETATIVE READING** *Two hours*  
The principles of interpretation and expression. Oral interpretation of representative selections before the class.
301. **ADVANCED SPEECH COMPOSITION** *Two hours*  
A study of the psychological technique involved in effective speech composition. Speeches and orations. Intended particularly for seniors of the pre-Seminary course.
311. **ARGUMENTATION AND DEBATING** *Two hours*  
The theory of argumentation and practice in debating.

## REGISTER OF STUDENTS

### Seniors

NAME	HOME ADDRESS
Baarman, Marvin	Zeeland, Michigan
Boerema, Neva	Grand Rapids, Michigan
Bonnema, Benjamin Clarence	Zeeland, Michigan
Botting, Virginia Ruth	Grand Rapids, Michigan
Brands, Angeline	Long Island, Kansas
Brook, Alice Mae	Grand Haven, Michigan
De Jong, Shirley	Kalamazoo, Michigan
Dekker Clarice June	Grand Rapids, Michigan
De Leeuw, Nella	Holland, Michigan
Den Besten, Franklin	Pella, Iowa
De Vlieger, Robert William	Grand Rapids, Michigan
de Waard, Leona Alice	Rochester, New York
De Wit, Henry	Rock Valley, Iowa
Dubois, Anthony	Grand Rapids, Michigan
Dykstra, Joan Florence	Grosse Pointe Park, Mich.
Eldersveld, Alvin Marvin	Grand Rapids, Michigan
Fakkema, Loretta	Chicago, Illinois
Gunnink, Fannie Bernice	Chandler, Minnesota
Hillard, Sally	Grand Rapids, Michigan
Hoeksema, Lois	Grand Rapids, Michigan
Hoekstra, Charlotte	Grand Rapids, Michigan
Holtrop, Lois Belle	Fremont, Michigan
Hoolsema, Peter	Grand Rapids, Michigan
Huitsing, Grace Evelyn	Cicero, Illinois
Ippel, Henry	Sheboygan, Wisconsin
Jansen, Hermina	Hallock, Minnesota
Janssen, Ann Mae	Steamboat Rock, Iowa
Kalmink, Audrey	Holland, Michigan
Kamstra, Clarence	Grand Rapids, Michigan
Knor, Harold	Grand Rapids, Michigan
Kooistra, Helen Cornelia	Midland Park, New Jersey
Kroon, Kathryn	Grand Rapids, Michigan
Lobbes, Katherine	Edgerton, Minnesota
Maatman, Russell	Frankfort, Illinois
Nieboer, Eleanor	Fremont, Michigan
Oppewal, Peter	Mendon, Massachusetts
Paulson, Jerry	Grand Rapids, Michigan
Peterson, Albertha Marie	Grand Haven, Michigan
Ribbens, Frances Ruth	Sheboygan, Wisconsin
Romence, Claude N.	Grand Rapids, Michigan
Smedes, Lewis	Muskegon, Michigan
Star Jean	Grand Rapids, Michigan
Stuit, Anne Marie	Grand Rapids, Michigan
Talen, Alyce Ruth	Eyota, Minnesota
Taminga, William	Sioux Center, Iowa
Te Bos, Janice Marie	McBain, Michigan
Ubbink, Elmer Gordon	Grand Rapids, Michigan
Vander Henst, Louise	Grand Rapids, Michigan
Vander Mey, Homer	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

NAME	HOME ADDRESS
Van Laar, Jack	New Era, Michigan
Van Malson, Clarence	Grand Rapids, Michigan
Van Til, Evelyn Jean	Lansing, Illinois
Verboom, Mary	Grand Rapids, Michigan
Visser, Martha	Zeeland, Michigan
Wentworth, Janet Slack	Grand Rapids, Michigan
Wiersma, Jeanne	Grand Rapids, Michigan

### Juniors

NAME	HOME ADDRESS
Baker, Arline Elsie	Uxbridge, Massachusetts
Bardolph, Grace Veldman	Chicago, Illinois
Bazuin, Lugene Alden	Moline, Michigan
Beltman, Elaine Ruth	Holland, Michigan
Berends, Henry Owen	Grand Rapids, Michigan
Borst, Connie	Grand Rapids, Michigan
Bosma, Louise	Paterson, New Jersey
Brink, Marguerite Ruth	Grand Rapids, Michigan
Broene, Eugene Melvin	Grand Rapids, Michigan
Burton, Lester Gordon	Grand Rapids, Michigan
Bytwerk, John Edwin	Grand Rapids, Michigan
Coeling, Elaine Ruth	Grand Rapids, Michigan
Colsman, Frances Mae	Redlands, California
De Haan, Robert Frank	Grand Rapids, Michigan
De Kruyter, Aurthur Henry	Grand Rapids, Michigan
De Lange, Jake	Corsica, South Dakota
De Leeuw, Agnes Mae	Sumas, Washington
De Vos, Lawrence John	Grand Rapids, Michigan
De Vries, A. Ruth	Denver, Colorado
de Waard, Elsie Mae	Rochester, New York
Doornink, Marcelyn Edna	Grand Rapids, Michigan
Dykstra, Louis John	Paterson, New Jersey
Engbers, Bernard William	Kalamazoo, Michigan
Exoo, Marie	Cleveland, Ohio
Flietstra, Clarence William	Zillah, Washington
Fliokstra, John Hilbert	Grand Rapids, Michigan
Hartgerink, Adele Lois	Oak Park, Illinois
Hertel, Annable Lou	Grand Rapids, Michigan
Hoffman, Boyd Erwin	Grand Rapids, Michigan
Holtrop, Eloise Kathryn	Grand Rapids, Michigan
Ippel, Betty Jane	Sheboygan, Wisconsin
Jellema, Dirk William	Bloomington, Indiana
Jonker, Marjorie Gertrude	Grand Rapids, Michigan
Kapteyn, Mildred Clara	Dorr, Michigan
Karsten, Gertrude	Zeeland, Michigan
Knol, Doris Elizabeth	Grand Rapids, Michigan
Koster, Sebron	Seattle, Washington
Kregel, Charles	Grand Rapids, Michigan
Lautner, Betty Joyce	Kent City, Michigan
Leys, Wilma Ruth	Sheboygan, Wisconsin
Medendorp, Alfred	Grand Rapids, Michigan
Monsma, Hester Marie	Grand Rapids, Michigan
Olthoff, Geraldine Mae	Grand Rapids, Michigan
Pool, John David	Grand Rapids, Michigan
Porter, Gwendolyn June	Grand Rapids, Michigan
Pousma, Yvonne Helen	Holland, Michigan
Plyman, Warren John	Grand Rapids, Michigan
Ravesloot, Grace	South Holland, Illinois
Schneider, Kathryn Sophia	Alamosa, Colorado

NAME	HOME ADDRESS
Schreuder, Maryjean	Grand Rapids, Michigan
Schultze, Elaine Donna	Grand Rapids, Michigan
Schutt, Sylvia Mae	Redlands, California
Shoemaker, Betty Grace	Zeeland, Michigan
Sinke, Gearld	Moline, Michigan
Spoelstra, Ann	Everett, Washington
Starn, Mary Kathryn	Grand Rapids, Michigan
Steensma, Dorothy Jeanette	Rochester, New York
Strikwerda, Madge	Grand Rapids, Michigan
Swierenga, Diana Ellen	Grand Rapids, Michigan
Stysma, Jeanette Frances	Haledon, New Jersey
Teitsma, Herman	Grand Rapids, Michigan
Timmer, Roberta Gearldine	Grand Rapids, Michigan
Twight, Willemina	Whitinsville, Massachusetts
Vander Hoven, Julia	Grand Rapids, Michigan
Vander Werf, Johanna Frances	Duvall, Washington
Van Galen, Mary Ann	Grand Rapids, Michigan
Van Loo, Jean Bernard	Los Angeles, California
Van Rossum, Jean Ann	Flint, Michigan
Van Wesep, Helen	Highland, Indiana
Visser, George	Jenison, Michigan
Wiersum, John	Berwyn, Illinois
Zandstra, Joan Claire	Grand Rapids, Michigan

### Sophomores

NAME	HOME ADDRESS
Abbas, Lucille Fannie	Ackley, Iowa
Apol, Issac John	Byron Center, Michigan
Berghouse, Betty Virginia	Falmouth, Michigan
Berkompas, Ruth Evelyn	Rudyard, Michigan
Beukema, Nellie Marie	Hollywood, California
Bierma, Syne	Sioux Center, Iowa
Blom, Frank	Pella Iowa
Blom, Lois Gertrude	Highland, Indiana
Borst, John William	Grand Rapids, Michigan
Brock, William Arthur	Grand Rapids, Michigan
Bultman, Roy	Fremont, Michigan
Buwalda, Marian Ruth	Muskegon, Michigan
Cooke, Miriam Jane	Detroit, Michigan
Cooper, Mary Joan	Grand Rapids, Michigan
Couzynse, Robert	Grand Rapids, Michigan
De Boer, Willis Peter	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
De Nise, Barbara Jeanne	Grand Rapids, Michigan
Den Ouden, Bernard	Egerton, Minnesota
De Young, Marvin	Grand Rapids, Michigan
De Young, J. Wilbur	Kalamazoo, Michigan
Dornbush, Wayne	Grand Rapids, Michigan
Droogsmas, Violet Lorraine	Milaca, Minnesota
Drost, Albert	Grand Rapids, Michigan
Drost, Josephine Grace	Grand Rapids, Michigan
Dykstra, Julia Charlotte	Detroit, Michigan
Dykstra, Loretta	Rock Rapids, Iowa
Dykstra, Lucille Dorothy	Grand Rapids, Michigan
Eekhoff, Elizabeth	Steamboat Rock, Iowa
Eerdmans, William Bernard	Grand Rapids, Michigan

NAME	HOME ADDRESS
Feringa, Harold William	Grand Rapids, Michigan
Feringa, Jean Doris	Grand Rapids, Michigan
Freeman, David Hugh	Philadelphia, Pennsylvania
Geene, Robert W.	Grand Rapids, Michigan
Geerdes, Raymond	Edgerton, Minnesota
Gosselink, Thelma Arlene	Pella, Iowa
Greydanus, Mary Ella	Ripon, California
Gritter, Arthur	Grand Rapids, Michigan
Hekman, Gertrude	Ripon, California
Hendriksen, Eleanor Bernice	Kalamazoo, Michigan
Heronimus, Calvin Henry	Holland, Michigan
Hertel, Angeline	Grand Rapids, Michigan
Hofman, Leonard John	Grand Rapids, Michigan
Holkeboer, Edger	Holland, Michigan
Holtrop, Elaine Ruth	Grand Rapids, Michigan
Holtrop, John M.	Rochester, New York
Holwerda, Jack	Grand Rapids, Michigan
Iwema, Terry	Cicero, Illinois
Jansma, Eldred June	Cambria, Wisconsin
Jellema, Bonnie June	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
Klomprens, Millie Frances	Grand Rapids, Michigan
Klosterman, Ruth Marcia	Kalamazoo, Michigan
Kolkema, Marva Jean	Muskegon, Michigan
Kool, William	Holland, Michigan
Kroon, James Lee	Grand Rapids, Michigan
LaBotz, Gertrude Margerite	Grand Rapids, Michigan
Lamberts, Burton	Grand Rapids, Michigan
Lanser, Howard	Delevan, Wisconsin
Leestma, Rein	Sheboygan, Wisconsin
Lindeman, Alice Martha	Grand Rapids, Michigan
Lipscomb, Milo Barr, Jr.	Chicago, Illinois
Lotterman, Henry	Grand Rapids, Michigan
Malestein, John	Grand Rapids, Michigan
Markendorf, Arthur	Midland Park, New Jersey
Medendorp, John Calvin	Grand Rapids, Michigan
Mensink, Lawrence	Bozeman, Montana
Miersma, Carolyn	Grand Rapids, Michigan
Moes, Joanne	Holland, Michigan
Monsma, Lawrence Kuyper	Grand Rapids, Michigan
Mulder, Thelma	Grand Rapids, Michigan
Mulder, Warren Hudson	Grand Rapids, Michigan
Nordyke, Cornelius Edward	Grand Rapids, Michigan
Nowak, Frank	Comstock Park, Michigan
Oliver, Lorraine Ruth	Grand Rapids, Michigan
Paauw, Donald Jack	Grand Rapids, Michigan
Pallak, Steven	Sultan, Washington
Palmbo, Elaine Donna	Mahwah, New Jersey
Phillips, Richard George	Holland, Michigan
Piersma, Elton James	Grand Rapids, Michigan
Plutschouw, Leslie	Grand Rapids, Michigan
Pluymert, Anna Mae	Marne, Michigan
Poel, Norman Claire	Highland, Indiana
Poppen, Arlene Mae	Grand Rapids, Michigan
Poppen, Lois Marie	Pecatonica, Illinois
Posthuma, Roger Dean	Muskegon, Michigan
Prins, Theunis	Grand Rapids, Michigan
Putt, Charlene Jane	Grand Rapids, Michigan

NAME	HOME ADDRESS
Reitsma, Alice	Fulton, Illinois
Rieppma, John Louis	Grand Rapids, Michigan
Rinck, Grace Marie	Kalamazoo, Michigan
Roukema, Richard William	Grand Rapids, Michigan
Rudenga, Edward	Paterson, New Jersey
Ryskamp, H. Elaine	Chicago, Illinois
Schaafsma, Sybrant	Grand Rapids, Michigan
Seekman, Harold	Grand Rapids, Michigan
Seven, Marvin	Coopersville, Michigan
Sinke, Marie	Grand Rapids, Michigan
Spaman, June Marian	Moline, Michigan
Stanton, Donald Fredrick	Grand Rapids, Michigan
Steenstra, Annette Marie	Omaha, Nebraska
Stevens, Gwendolyn Mary	Grand Rapids, Michigan
Stuit, Jack Fredrick	Fremont, Michigan
Sytsema, Maxine Ruth	Grand Rapids, Michigan
Ten Broek, Bernard John	Grand Rapids, Michigan
Ter Meer, David Ellsworth	Grand Rapids, Michigan
Terpstra, Gearid	Grand Rapids, Michigan
Timmer, Ariene Ruth	Bozema, Montana
Timmerman, Clara Reka	Grand Rapids, Michigan
Twight, Floyd	McBain, Michigan
Van Aniel, Bette Jean	Whitinsville, Massachusetts
Van Aniel, Jay	Battle Creek, Michigan
Van Antwerpen, Willard	Grand Rapids, Michigan
Vandenburg, Alma Theodora	Grand Rapids, Michigan
Vanden Berg, Tunis	Chicago, Illinois
Vander Kamp, Melvin	Grand Rapids, Michigan
Van Der Puy, Harriet Jean	Grand Rapids, Michigan
Vandertill, Joy Elizabeth	Sheboygan, Wisconsin
Vander Vennen, Berdela	Grand Rapids, Michigan
Vander Weele, Harry	Grand Rapids, Michigan
Vander Wood, Jack Merlin	Sheboygan, Wisconsin
Van Dyke, Kathleen	Grand Rapids, Michigan
Van Genderen, Marion	Ridgewood, New Jersey
Van Haisma, Arlene Ruth	Clifton, New Jersey
Van Halsema, Bernice Audrey	Zeeland, Michigan
Van Heest, Madge Elaine	Passaic, New Jersey
Van Kleef, Barbara Jean	Lansing, Illinois
Van Laar, Myrtle	Grand Rapids, Michigan
Van Reken, Donald	Kalamazoo, Michigan
Velders, Fred E.	Grand Rapids, Michigan
Ver Meer, Bertha	Grand Rapids, Michigan
Vetten, Charlotte June	Pella, Iowa
Vogel, Robert	Sheboygan, Wisconsin
Vredevoogd, Clarence	Fulton, Illinois
Walhout, Edwin	Marion, Michigan
Walstra, Chris	Muskegon, Michigan
Wieland, Malois	De Motte, Indiana
Wingeier, Vivian Ferne	Grand Rapids, Michigan
Witte, Wilmer Roy	Alto, Michigan
Wolters, Norma Jane	Midland Park, New Jersey
Wolters, Phyllis	Holland, Michigan
Wouldenberg, Evelyn	Grand Rapids, Michigan
Zylstra, Edwin	Grand Rapids, Michigan

### Freshmen

NAME	HOME ADDRESS
Actson, Robert William	Grand Rapids, Michigan
Allen, Ruth Eileen	Big Rapids, Michigan
Anema, Dorothy Jeanette	Denver, Colorado

NAME	HOME ADDRESS
Anema, George	Grand Rapids, Michigan
Baerman, Vernon	Grand Rapids, Michigan
Bass, John Junior	Oskaloosa, Iowa
Bajema, Willis	Chicago, Illinois
Baker, Gwendolyn Ann	Grand Rapids, Michigan
Baker, Ralph	Whitinsville, Massachusetts
Bangma, Lois Arlene	Clifton, New Jersey
Bareman, Martha Ruth	Holland, Michigan
Battjes, Joyce Elaine	Grand Rapids, Michigan
Bel, John H.	Cicero, Illinois
Belanus, Garret Matthew	Midland Park, New Jersey
Bentham, Geneva	McBain, Michigan
Bere, Marian	Chicago, Illinois
Berends, Warren	Grand Rapids, Michigan
Beverluis, Hattie	Paterson, New Jersey
Bierema, William	Grand Rapids, Michigan
Bloem, Richard Leonard	Grand Rapids, Michigan
Blohm, Ruth Alice	Kent City, Michigan
Boer, Ella	Rothburg, Michigan
Boersma, Henry	Grand Rapids, Michigan
Boersma, Hilbert	Grand Rapids, Michigan
Bomhof, Louis	Grand Rapids, Michigan
Bolt, Franklin	Grand Rapids, Michigan
Bos, Donna Lois	Grand Rapids, Michigan
Bosch, Mentey	Denver, Colorado
Boslooper, June	Grand Rapids, Michigan
Bosman, Henry Richard	Grand Rapids, Michigan
Boss, Florence M.	Grand Rapids, Michigan
Bosscher, James	Grand Rapids, Michigan
Bossenga, Lorraine Ruth	Cicero, Illinois
Botts, Harold	Grand Rapids, Michigan
Bouma, Marion Katherine	Ontario, California
Bouma, Wilma	Steveston, B.C., Canada
Bowne, Joan Kathryn	Ionia, Michigan
Branderhost, Joyce Clara	Holland, Michigan
Brink, Ervin J.	Holland, Michigan
Brink, Leonard Peter	Grand Rapids, Michigan
Brinks, Robert	Grand Rapids, Michigan
Brock, Sidney James	Byron Center, Michigan
Buggink, Raymond, Jr.	Hudsonville, Michigan
Bruinooge, Richard Ray	Sheboygan, Wisconsin
Buikstra, Evelyn Doris	Downs, Kansas
Buist, Alice	Wayland, Michigan
Bulthuis, Calvin P.	Grand Haven, Michigan
Bussis, Dale Eugene	Zeeland, Michigan
Buursma, Lillian Mae	Holland, Michigan
Buurstra, Annette Kathryn	South Holland, Illinois
Bytwerk, Edward	Muskegon, Michigan
Carey, Alice Mae	Holland, Michigan
Carlyle, L. Byron	Seattle, Washington
Carroll, Rosetta May	Grand Rapids, Michigan
Cheslek, Richard J.	Sparta, Michigan
Christler, Evelyn Pearl	Jenison, Michigan
Covey, Lorraine Alma	Grand Rapids, Michigan
Daane, Mary E.	Grand Rapids, Michigan
Danielson, Carl Ralph	Mt. Arlington, New Jersey
Datema, Harold Jack	Grand Rapids, Michigan
Datema, Patricia Evelyn	Grand Rapids, Michigan
De Boe, Sylvia Mae	Holland, Michigan
De Boer, Ann Elaine	Cicero, Illinois
De Boer, Harold Cornelius	Grand Rapids, Michigan

NAME	HOME ADDRESS
De Boer, Lenora	South Holland, Illinois
De Boer, Margaret Ann	Grand Rapids, Michigan
De Boer, Marion Olive	Whitinsville, Massachusetts
De Boer, Richard	Racine, Wisconsin
De Bruin, Nadine Ruth	Oskaloosa, Iowa
De Graff, Arietta Mae	Prairie City, Iowa
De Graff, Kay Trena	Grand Rapids, Michigan
De Haan, Florence	Marion, Michigan
De Hamer, Nellie Wilma	Grand Rapids, Michigan
De Jager, Donald	Grand Rapids, Michigan
De Jong, Alice Marian	Charlevoix, Michigan
De Jong, Harold Richard	South Holland, Illinois
De Jong, Lester	Grand Rapids, Michigan
De Jong, William	Charlevoix, Michigan
De Jonge, Arlene Harriet	Paterson, New Jersey
De Lange, Harold	Corsica, South Dakota
Den Boer, Harriet Helena	Grand Rapids, Michigan
Derteen, Harold	Grand Rapids, Michigan
de Stigter, Lucille	Sioux Center, Iowa
Deur, Doris Mae	Fremont, Michigan
De Vos, Warren James	Grand Rapids, Michigan
De Vries, Bernice Harriet	Rochester, New York
De Vries, Doris May	Grand Rapids, Michigan
De Waard, Leonard	Holland, Michigan
De Wind, Lois Mae	Muskegon, Michigan
De Young, J. Wilbur	Grand Rapids, Michigan
De Zwaan, Wilma Jean	Grand Rapids, Michigan
Dornbush, Marian	Grand Rapids, Michigan
Dracht, Nellie Edna	Marion, Michigan
Driesens, Eleanor Ruth	Grand Rapids, Michigan
Dykema, Marilyn	Chicago, Illinois
Dykstra, Frances	Grand Rapids, Michigan
Dykstra, Margaret	Holland, Michigan
Dykstra, Sidney	Fulton, Illinois
Dykstra, Stanley	Grand Rapids, Michigan
Eerkes, Marjean Barbara	Mt. Vernon, Michigan
Eldersveld, Herman	Grand Rapids, Michigan
Eldred, Walter Leroy	Grand Rapids, Michigan
Ellinger, Arthur Edward	Hopkins, Michigan
Elve, Phillip	Grand Rapids, Michigan
Ensing, Vera Mae	Grand Rapids, Michigan
Eschtruth, Zelma Ruth	Bath, Michigan
Faasen, James Charles	Grand Rapids, Michigan
Faber, Robert Jay	Byron Center, Michigan
Feenstra, Laurence	Grand Rapids, Michigan
Fennema, Charlotte Ann	Chicago, Illinois
Fisher, Fred S.	Kohler, Wisconsin
Fopma, Orval Carl	Rock Rapids, Iowa
Fornier, Norma Ruth	Grand Rapids, Michigan
Franson, Sherwood	Grand Rapids, Michigan
Freeman, Calvin Donald	Philadelphia, Pennsylvania
Frens, John	Grand Rapids, Michigan
Goeman, Mary Alyce	Grand Rapids, Michigan
Goossen, Dorothy Ann	Grand Rapids, Michigan
Goris, Howard Brink	Grand Rapids, Michigan
Goss, George Stuart	Grand Rapids, Michigan
Greydanus, Samuel E.	Paterson, New Jersey
Gritter, Nelson John	Grand Rapids, Michigan
Groendyke, Carol Elizabeth	Cedar, Iowa
Groot, Berdena	Artesia, California
Groot, Wilma	Artesia, California

NAME	HOME ADDRESS
Guikema, Henry	Grand Rapids, Michigan
Gunnink, Jerrien Junior	Chandler, Minnesota
Harper, George Graham	Grand Rapids, Michigan
Haveman, Albertus	Grand Rapids, Michigan
Hertel, Mary Jean	Grand Rapids, Michigan
Hertel, Roger Earle	Grand Rapids, Michigan
Heule, Mae	Sheboygan, Wisconsin
Heyboer, John Alden	Grand Rapids, Michigan
Hoekstra, Constance Ruth	Grand Rapids, Michigan
Hoekstra, Philip John	Grand Rapids, Michigan
Hofman, Tillie	Sanborn, Iowa
Hofstra, Doris June	Paterson, 2, New Jersey
Hoithma, Lois Joy	Paterson, New Jersey
Holkeboer, Gilbert	Holland, Michigan
Holtrop, Marian Effie	Grand Rapids, Michigan
Honderd, Marvin Junior	Byron Center, Michigan
Hooqstra, Pearl N.	Chicago, Illinois
Hoogwerf, Henrietta	Brookings, South Dakota
Housewaard, John	Hawthorne, New Jersey
Hoxey, Hazel	South Branch, Michigan
Huizenga, Clarence	Cicero, Illinois
Huizenga, Faith	
Huizenga, Thelma Jean	Zeeland, Michigan
Hunderman, Henry	Grand Rapids, Michigan
Huyser, Frank Junior	Monroe, Iowa
Ike, Marian Jane	Grand Rapids, Michigan
Ippel, Lester	Sheboygan, Wisconsin
Jabaay, Earl	Lansin, Illinois
Jacobs, Leona	Grand Rapids, Michigan
Jansen, Evelyn Sybil	Baldwin, Wisconsin
Jansma, John	Grand Rapids, Michigan
Jonker, Berend	Grand Rapids, Michigan
Jonker, Bernard	Holland, Michigan
Kallemyn, Willard Harold	Edgerton, Minnesota
Kamphuis, Elizabeth Marie	Holland, Michigan
Kars, John	Dell Rapids, South Dakota
Kass, Althea Faye	Kalamazoo, Michigan
Keegstra, Annamae	Grand Rapids, Michigan
Keegstra, Cora Mae	Grand Rapids, Michigan
Keen, Julia Elaine	Holland, Michigan
Kieft, Lois Eileen	Grand Haven, Michigan
Kingma, Winnie Louise	Grangeville, Idaho
Klomp, Hester Jean	Zeeland, Michigan
Klooster, Don	Munster, Indiana
Klunder, Raymond L.	Grand Rapids, Michigan
Kobes, Kenneth	Toadlena, New Mexico
Koert, James Harvey	Grand Rapids, Michigan
Koeze, Don Roy	Grand Rapids, Michigan
Knoll, George John	Holland, Michigan
Kooistra, Dorothy	Berwyn, Illinois
Kooistra, Mary Catherine	Whitinsville, Massachusetts
Kok, Martinus	Kalamazoo, Michigan
Kooi, Joanne Marie	Holland, Michigan
Kooy, Richard Peter	Cicero, Illinois
Kornelis, Henrietta	Sumas, Washington
Kornoelje, Kenneth John	Grand Rapids, Michigan
Kort, Henry	Oaklawn, Illinois
Kruithof, Alice Beatrice	Midland Park, New Jersey
Kuipers, Jane	Grand Rapids, Michigan
Kuizema, Harold Jay	Grand Rapids, Michigan

NAME	HOME ADDRESS
Kuyper, Adrian	Grand Rapids, Michigan
La Brenz, Frank	Grand Rapids, Michigan
Lindhout, Joy May	Grand Rapids, Michigan
Loomans, Gladys	Brandon, Wisconsin
Marcusse, Minnie Marjorie	Holland, Michigan
Marsman, Jeanette	Ripon, California
Martinus, Lois Annetta	Holland, Michigan
Meengs, Norman	Grand Rapids, Michigan
Mellema, Louis F.	Chicago, Illinois
Menninga, Clarence	Otley, Iowa
Miller, Doris Mae	Bath, Michigan
Minnema, Helen Lorraine	Webster, New York
Molewyk, Donald	Grand Rapids, Michigan
Monsma, Cynthia Doris	Grand Rapids, Michigan
Moore, James Paul	Grand Rapids, Michigan
Munding, Carl William	Kent City, Michigan
Musch, Marva Arlene	Muskegon, Michigan
Muyskens, Charlotte Mae	Grand Rapids, Michigan
Nagel, Donovan William	Kandiyohi, Minnesota
Negen, Donald	Renville, Minnesota
Nootenboom, Elsie Greta	Norwalk, California
Nyburg, James	Morris Plains, New Jersey
Nyenhuis, Hudson John	Zeeland, Michigan
Ohlmann, Maxine Joyce	Hudsonville, Michigan
Olson, Laurence	Grand Rapids, Michigan
Ooms, Adrian	Lynden, Washington
Ornee, Jack	Grand Rapids, Michigan
Otten, Robert	Sheboygan, Wisconsin
Paasche, Beth E.	St. Paul, Minnesota
Palmbo, Joyce Audrey	Holland, Michigan
Pell, Ruth Eloise	Fremont, Michigan
Petroelje, Purcel	Byron Center, Michigan
Petter, Betty	Ellsworth, Michigan
Phillips, Rhea	North Bradley, Michigan
Pieper, Bernard	Grand Rapids, Michigan
Poel, Wendell Henry	Grand Rapids, Michigan
Pontier, Arthur	Grand Rapids, Michigan
Pontier, Lenore Ruth	Clifton, New Jersey
Pontier, Margaret	Clifton, New Jersey
Pool, Robert John	Zeeland, Michigan
Post, Kathryn Jane	Grand Rapids, Michigan
Prince, Kathleen	Grand Rapids, Michigan
Punt, Christine	Grand Rapids, Michigan
Putt, Helen Donna	Fulton, Illinois
Reens, Norbol	Grand Rapids, Michigan
Reitsma, Carl John	Grand Rapids, Michigan
Rensenbrink, Kathryn	Pease, Minnesota
Reynolds, Alfred John	Battle Creek, Michigan
Ribbens, Katherine	Sheboygan, Wisconsin
Ribbens, John	Sheboygan, Wisconsin
Rinck, William	Grand Rapids, Michigan
Ritsma, Garry	Denver, Colorado
Robbert, Coral Ann	Holland, Michigan
Roeper, Marian Esther	Grand Rapids, Michigan
Roetcisoender, John Henry	Duvall, Washington
Rottier, John	Sheboygan, Wisconsin
Rozeboom, Alvin	Pipestone, Minnesota
Ruiter, Arlene June	Grand Rapids, Michigan
Ryskamp, Henry	Grand Rapids, Michigan
Ryskamp, Mavis Ellen	Grand Rapids, Michigan
Scheeres, Marie	Detroit, Michigan

NAME	HOME ADDRESS
Schemper, Alberta Jeane.....	Long Island, Kansas
Schilperoort, Elsie.....	Sunnyside, Washington
Schippers, John Gordon.....	Grand Rapids, Michigan
Schoolmeester, Howard Wesley.....	Grand Rapids, Michigan
Schreuder, John Marvin.....	Denver, Colorado
Schuitema, Warren John.....	Grand Rapids, Michigan
Schultetus, Wilma Jean.....	Wayland, Michigan
Schultetus, Kenneth John.....	Wayland, Michigan
Schuurman, Mildred Eileen.....	Midland Park, New Jersey
Setsma, John.....	Grand Rapids, Michigan
Schaffer, Virginia Ann.....	Alto, Michigan
Siegers, Mildred Gertrude.....	Grand Rapids, Michigan
Sieswerda, June.....	Chicago, Illinois
Sikkema, Rose.....	Grand Rapids, Michigan
Simons, Henry William.....	Kenosha, Wisconsin
Sinke, Carl James.....	Holland, Michigan
Sjaarda, Elizabeth.....	Moline, Michigan
Slagter, Gerald Eugene.....	Rensville, Minnesota
Slagter, Norman.....	Raymond, Minnesota
Slater, Ardath.....	Racine, Wisconsin
Sluis, Johanna.....	Modesto, California
Smedes, Catherine Ida.....	Detroit, Michigan
Smit, Harvey Albert.....	Grand Rapids, Michigan
Spykman, Gordon John.....	Holland, Michigan
Spyksma, Claire Joan.....	Passaic, New Jersey
Start, Clarence.....	Grand Rapids, Michigan
Steensma, Letha Geraldine.....	Grand Rapids, Michigan
Steenstra, Herman.....	Grand Rapids, Michigan
Steigenga, Viola Rachel.....	Ripon, California
Steketee, Marcia Ruth.....	Grand Rapids, Michigan
Stoepker, Jack.....	Grand Rapids, Michigan
Stoutjesdyk, Virginia Mae.....	Grand Rapids, Michigan
Stuit, Helen Alyda.....	Tracy, California
Swagman, Esther Ruth.....	Grand Rapids, Michigan
Sweetman, Ivan.....	Denver, Colorado
Sweetman, Leonard.....	Paterson, New Jersey
Swierenga, William.....	Denver, Colorado
Sytsma, Richard.....	Grand Rapids, Michigan
Ten Brink, Louise.....	Holland, Michigan
Ten Cate, Harold A.....	Holland, Michigan
Ten Have, Ruth Elaine.....	Grand Haven, Michigan
Terpstra, Marilyn Joyce.....	Grand Rapids, Michigan
Tiesinga, Nella Jean.....	Grand Rapids, Michigan
Timmer, Evelyn.....	Grand Rapids, Michigan
Timmer, John Dorr.....	Grand Rapids, Michigan
Todd, Marjorie Ann.....	Ionia, Michigan
Tromp, Jack I.....	Grand Rapids, Michigan
Van Appledorn, Angelyn.....	Holland, Michigan
Van Alten, Pierson.....	Grand Rapids, Michigan
Van Beenen, Elaine Mae.....	Minneapolis, Minnesota
Van Dam, Carolyn.....	Zeeland, Michigan
Vanden Berg, Anthony.....	Grand Rapids, Michigan
Vanden Berg, Harriet.....	Volga, South Dakota
Vanden Berg, Lester.....	Grand Rapids, Michigan
Vanden Brink, Hermina.....	Holland, Michigan
Van der Ark, Allen Lee.....	Pella, Iowa
Vanderbilt, Ruth Annette.....	South Holland, Illinois
Vander Honing, Ruth.....	Grand Rapids, Michigan
Vande Ree, Anne.....	Midland Park, New Jersey
Vande Riet, Evelyn Loraine.....	Grand Rapids, Michigan
Vande Riet, Rose.....	Grand Rapids, Michigan

NAME	HOME ADDRESS
Vander Jagt, Samuel.....	Grand Rapids, Michigan
Vander Ley, John.....	Grand Rapids, Michigan
Vander Ley, Mary Jane.....	Grand Rapids, Michigan
Vander Molen, John.....	Grand Rapids, Michigan
Vander Ploeg, George.....	Holland, Michigan
Vander Ploeg, John Marlin.....	Grand Rapids, Michigan
Vander Scheer, Elaine Ruth.....	Grand Rapids, Michigan
Vander Schuur, Julia Jeanette.....	Grand Rapids, Michigan
Vanderson, Betty.....	Grand Rapids, Michigan
Vander Tuin, Esther Mae.....	Grandville, Michigan
VanDer Weele, Marjorie Jennie.....	Sheboygan, Wisconsin
Van Der Weele, Steve.....	Sheboygan, Wisconsin
Vander Weide, Edward.....	Sioux Center, Iowa
Vander Weide, Geraldine Joyce.....	Manton, Michigan
Vander Weide Peter.....	Artesia, California
Vanderzee, Nelson.....	Hawthorne, New Jersey
Van Dyke, John.....	Paterson, New Jersey
Van Dyke, Mae Harriet.....	Paterson, New Jersey
Van Dyken, Gertrude.....	Manhattan, Montana
Van Eldink, Dick Leroy.....	Rock Valley, Iowa
Van Faasen, Ruth.....	Holland, Michigan
Van Hofwegan, Betty.....	Sioux City, Iowa
Van Kooten, Paul.....	Morrison, Illinois
Van Laan, Ruth.....	Caledonia, Michigan
Van Malsen, Joan Marie.....	Grand Rapids, Michigan
Van Ostenbridge, Mae.....	North Haledon, New Jersey
Van Rhee, Adeline.....	Jamestown, Michigan
Van't Slot, Andrew.....	Holland, Michigan
Van Someren, Bernard.....	Baldwin, Wisconsin
Van Wyk, Henry.....	Grand Rapids, Michigan
Van Wylen, Carol.....	Grand Rapids, Michigan
Veenstra, Paul.....	Ellsworth, Michigan
Veldkamp, William.....	Grand Rapids, Michigan
Verburg, Arthur John.....	Grand Rapids, Michigan
Verburg, Cora.....	Grand Rapids, Michigan
Verhaar, Joyce Nell.....	Grand Rapids, Michigan
Verhage, Jeanne.....	Downs, Kansas
Verseput, Theodore.....	Battle Creek, Michigan
Vetten, Louise.....	Oak Park, Illinois
Visser, Freeman Clarence.....	Perkasie, Pennsylvania
Volkers, Lois Mae.....	Holland, Michigan
Vonhof, Jean Marion.....	Rochester, New York
Voss, Dale Harris.....	Austinville, Iowa
Vredeveld, John.....	Grand Rapids, Michigan
Vredevoogd, Sylvia.....	Grand Rapids, Michigan
Vreugdenhil, Verna Jane.....	Sioux Center, Iowa
Walburg, Bertha.....	Grand Rapids, Michigan
Walcott, Arlene.....	Grand Rapids, Michigan
Walling, Emaline.....	Coopersville, Michigan
Westing, Alice Mae.....	Grand Rapids, Michigan
Westley, Clayton.....	Pasedena, California
Westra, Jean Helen.....	Waupum, Wisconsin
Whorley, Joyce Jean.....	Ionia, Michigan
Wierenga, John.....	West Lafayette, Indiana
Wiersma, Albert.....	Caledonia, Michigan
Willard, Mary Arlene.....	Grand Rapids, Michigan
Wilson, Barbara Ann.....	Ionia, Michigan
Wind, Henry.....	Everett, Washington
Winters, Peter.....	Grand Rapids, Michigan
Wisse, Alice Susan.....	Clifton, New Jersey
Wynyarden, Joan Grace.....	Grand Rapids, Michigan

NAME	HOME ADDRESS
Wyangarden, Martin Kempers.....	Grand Rapids, Michigan
Yff, Adam .....	Lansing, Illinois
Ypma, Benjamin .....	Sibley, Iowa
Zoet, Norma Jean .....	Grand Rapids, Michigan
Zuiderhoek, Clay .....	Grand Rapids, Michigan
Zwemer, Roger .....	Holland, Michigan
Zylman, Raymond .....	Sheboygan, Wisconsin
Zylstra, Martin .....	Lynnville, Iowa

### Unclassified

NAME	HOME ADDRESS
Arkema, Jeannette .....	Grand Rapids, Michigan
Beadle, Hilda .....	Grand Rapids, Michigan
Bouman, Mildred Mae .....	Grand Rapids, Michigan
De Winter, Ruth .....	Grand Rapids, Michigan
Douglass, Myrtle .....	Grand Rapids, Michigan
Dusseljee, Aldrich .....	Grandville, Michigan
Gadbois, Donna W. ....	Grand Rapids, Michigan
Hage, Doris Alma .....	Grand Rapids, Michigan
Hugen, Viola .....	Prairie City, Iowa
Ibershof, J. Bernard .....	Belmont, Michigan
Koets, Magdalena .....	Grand Rapids, Michigan
Kutschinski, Oscar E. ....	Grand Rapids, Michigan
Leestma, Jessie .....	Grand Rapids, Michigan
MacDonald, Ian .....	Grand Rapids, Michigan
Morgan, Barbara .....	Grand Rapids, Michigan
Oppewal, Dorothy .....	Mendon, Massachusetts
Peterson, John .....	Redlands, California
Philips, Bess .....	Grand Rapids, Michigan
Reid, Geneva .....	Grand Rapids, Michigan
Ribbens, William .....	Sheboygan, Wisconsin
Sauers, Elizabeth .....	Grand Rapids, Michigan
Scharmack, Mary K. ....	Grand Rapids, Michigan
Schripsema, Jeannette .....	Grand Rapids, Michigan
Sikkema, Annette .....	Grand Rapids, Michigan
Vanden Berg, John .....	Grand Rapids, Michigan
Vanden Hoek, Wilma .....	Lynnville, Iowa
Vander Ploeg, Esther .....	Jenison, Michigan
Vander Vennen, Della .....	Grand Rapids, Michigan
Van Duren, Doris .....	Grand Rapids, Michigan
Van Reken, Elsa .....	Grand Rapids, Michigan
Ver Merris, Elmer .....	Grand Rapids, Michigan
Versprille, Martha .....	Grand Rapids, Michigan
Walters, Norman M. ....	Cleveland, Ohio
Westerman, Eleanor .....	Grand Rapids, Michigan
Wezeman, Richard .....	Grand Rapids, Michigan
Wieland, Gwendolyn .....	Grand Rapids, Michigan

### Summer Session

NAME	HOME ADDRESS
Ade, Caroline H. ....	Conklin, Michigan
Aldrink, Ethel Mae .....	Grand Rapids, Michigan
Allspach, Naomi Carolyn .....	Parksburg, Iowa
Algera, George .....	Grand Rapids, Michigan
Anderson, Robert Glenn .....	Grand Rapids, Michigan
Anema, George J. ....	Grand Rapids, Michigan
Arkema, Jeannette .....	Grand Rapids, Michigan
Atherton, Lucille A. ....	Ada, Michigan

NAME	HOME ADDRESS
Avery, Arthur J. ....	Grand Rapids, Michigan
Aylworth, Vivian Ella .....	Grand Rapids, Michigan
Balcer, Delta Emily .....	Grand Rapids, Michigan
Ballast, Kay Henrietta .....	Zeeland, Michigan
Bere', Paul Robert .....	Chicago, Illinois
Berghuis, John Willis .....	Grand Rapids, Michigan
Berkompas, Ruth Evelyn .....	Rudyard, Michigan
Bittner, Raymond LeRoy .....	Grand Rapids, Michigan
Blik, Marvin Peter .....	Grand Rapids, Michigan
Boersma, Bert .....	Grand Rapids, Michigan
Boersma, Ralph .....	Grand Rapids, Michigan
Borduin, Nellie Cathryn .....	Grand Rapids, Michigan
Borst, Connie .....	Grand Rapids, Michigan
Bos, Annette Elizabeth .....	Holland, Michigan
Bossler, Ruth Alwilda .....	Grand Rapids, Michigan
Bottje, Will Gay .....	Grand Rapids, Michigan
Botts, Harold Eugene .....	Grand Rapids, Michigan
Bouma, Marion Katherine .....	Ontario, California
Bouwisma, Franklin George .....	Holland, Michigan
Bowman, Elizabeth Randolph .....	Grand Rapids, Michigan
Bratt, Albertha .....	Holland, Michigan
Bratt, Katherine .....	Holland, Michigan
Brink, Ervin James .....	Grand Rapids, Michigan
Brink, Leonard Peter .....	Grand Rapids, Michigan
Brinks, Robert Earl .....	Grand Rapids, Michigan
Brock, William Arthur .....	Grand Rapids, Michigan
Bulthuis, Henry Edward .....	Cicero, Illinois
Bultman, Roy .....	Fremont, Michigan
Buursma, William .....	Holland, Michigan
Bytwerk, Edward .....	Muskegon, Michigan
Bytwerk, John Edwin .....	Muskegon, Michigan
Cederquist, Ruth Elenore .....	Grandville, Michigan
Christler, Evelyn Pearl .....	Jenison, Michigan
Couzynse, Robert Jay .....	Grand Rapids, Michigan
Datema, Patricia Evelyn .....	Grand Rapids, Michigan
Davidson, Arthur E. ....	Grand Rapids, Michigan
Dawson, Adrian Charles .....	Grand Rapids, Michigan
De Boe, Sylvia Mae .....	Holland, Michigan
De Boer, Grace Johanna .....	Alamosa, Colorado
De Boer, Lenore .....	South Holland, Illinois
De Boer, Thomas .....	Grand Rapids, Michigan
De Boer, Wilburta Marian .....	Aplington, Iowa
Decker, Robert Dennis .....	Grand Rapids, Michigan
De Bruin, Leona .....	Hawarden, Iowa
De Haan, Jean Alice .....	Grand Rapids, Michigan
De Haan, Richard William .....	Grand Rapids, Michigan
Dekker, Henry .....	Willard, Ohio
De Lange, Jake Clarence .....	Grand Rapids, Michigan
De Lange, Henrietta Edythe .....	Grand Rapids, Michigan
Den Ouden, Elletta .....	Ripon, California
Derteen, Robert Louis .....	Grand Rapids, Michigan
De Jong, Lester Peter .....	Grand Rapids, Michigan
de Stigter, Alyda .....	Sioux Center, Iowa
De Vos, Franklin Alwyn .....	Grand Rapids, Michigan
De Vos, Robert Cornelius .....	Grand Rapids, Michigan
De Vries, Margaret .....	Randolph, Wisconsin
De Vries, Norman Cornelius .....	Grand Rapids, Michigan
De Wind, Lois Mae .....	Muskegon, Michigan
De Winter, Ruth Jean .....	Grand Rapids, Michigan
De Young, Marvin .....	Grand Rapids, Michigan
De Young, Tunis Harold .....	Evergreen Park, Illinois

NAME	HOME ADDRESS
De Young, J. Wilbur	Grand Rapids, Michigan
Dice, Norman Glenn	Grand Rapids, Michigan
Ditmar, Edward Adrian	Grand Rapids, Michigan
Doornbos, Alfred	Berwyn, Illinois
Doornink, Marcelyn E.	Grand Rapids, Michigan
Douglass, Myrtle Donnohue	Grand Rapids, Michigan
Dracht, Marie	Marion, Michigan
Dracht, Nelle Edna	Marion, Michigan
Dubois, Anthony Henry	Grand Rapids, Michigan
Dygert, Marian Lucille	Grand Rapids, Michigan
Dykema, Myra Albertha	Hudsonville, Michigan
Dykstra, Jessie	Grand Rapids, Michigan
Dykstra, Louis John	Paterson, New Jersey
Ede, Gertrude Alice	Grand Rapids, Michigan
Eggers, Christine J.	Grand Rapids, Michigan
Eisses, John	Pantego, North Carolina
Eldersveld, Herman Cornelius	Grand Rapids, Michigan
Ellefson, Muriel S.	Mc Bain, Michigan
Elzinga, Ona Mae	Ellsworth, Michigan
Eerdmans, William Bernard	Grand Rapids, Michigan
Feyen, Gerrit	Jamestown, Michigan
Foenander, Alton Gordon	Grand Rapids, Michigan
Foreman, Anna Lou	Grand Rapids, Michigan
Fuehrer, Stanley Harold	Grand Rapids, Michigan
Geene, Robert Willis	Grand Rapids, Michigan
Gesink, Elenor Betty	Sioux Center, Iowa
Gillisse, Gordon Paul	Grand Rapids, Michigan
Gumser, Elsie Marie	Grand Rapids, Michigan
Haga, Donald Jack	Grand Rapids, Michigan
Hall, Florence Kober	Grand Rapids, Michigan
Hansen, Gordon Loren	Grand Rapids, Michigan
Harrigan, Helen K.	Grand Rapids, Michigan
Haveman, Albertus Jay	Grand Rapids, Michigan
Helder, Louis	Grand Rapids, Michigan
Hoekstra, Bernard Paul	Grand Rapids, Michigan
Hoekstra, Philip John	Grand Rapids, Michigan
Hollander, Alfred Harold	Hull, Iowa
Hoolsema, John Robert	Grand Rapids, Michigan
Huizenga, Clarence Harry	Cicero, Illinois
Huizenga, Cora Mae	Fulton, Illinois
Huizenga, Gertrude Lida	Morrison, Illinois
Hunderman, Henry Edward	Grand Rapids, Michigan
Hunter, Estella Jane	Lowell, Michigan
Ippel, Betty Jane	Sheboygan, Wisconsin
Ippel, Henry Peter	Grand Rapids, Michigan
Ippel, Lester	Sheboygan, Wisconsin
Iwema, James	Chicago, Illinois
Jabaay, Earl	Lansing, Illinois
Joling, Robert John	Grand Rapids, Michigan
Jonker, Berend	Grand Rapids, Michigan
Jonker, Marjorie Gertrude	Grand Rapids, Michigan
Kamper, Edith Mae	Grand Rapids, Michigan
Kamstra, William	Grand Rapids, Michigan
Kars, John	Grand Rapids, Michigan
Keegstra, Alida Catherine	Alberta, Canada
Keen, Julia Elaine	Holland, Michigan
Kern, Claire	Grand Rapids, Michigan
Keyzer, Simon	Mc Bain, Michigan
Kirchner, Helen Lucille	Grand Rapids, Michigan
Klein, Claude Richard	Oak Park, Illinois
Klomp, Gertrude Marian	Hudsonville, Michigan

NAME	HOME ADDRESS
Klosterman, Ruth Marcia	Kalamazoo, Michigan
Klunder, Raymond Lawrence	Grand Rapids, Michigan
Kobes, Kenneth Jay	Toadlena, New Mexico
Koert, James Harvey	Grand Rapids, Michigan
Kok, Herman	Grand Rapids, Michigan
Kolkema, Marva Jean	Muskegon, Michigan
Kooima, Everdean	Rock Valley, Iowa
Kregel, Charles Edward	Grand Rapids, Michigan
Kroon Kay Gertrude	Grand Rapids, Michigan
Kuiper, Harold	Grand Rapids, Michigan
Kuipers, Andrew	Grand Rapids, Michigan
Kuipers, Jane Beatrice	Grand Rapids, Michigan
La Botz, Gertrude Marguerite	Grand Rapids, Michigan
Lagerwey, Walter	Grand Rapids, Michigan
Lambers, Guy William	Grand Rapids, Michigan
Lanser, Howard W.	Sheboygan, Wisconsin
Landstra, Robert Frank	Grand Rapids, Michigan
Lapham, H. Stewart	Grand Rapids, Michigan
Lenderink, Virginia Mae	Grand Rapids, Michigan
Lucht, Gordon Emil	Grand Island, Nebraska
Maaskant, Nellye Jane	Hanford, California
Manuel, Maryann La Tier	Grand Rapids, Michigan
Manuell, Richard James	Grand Rapids, Michigan
McIntyre, Robert Earle	Grand Rapids, Michigan
Medendorp, Alfred	Grand Rapids, Michigan
Molemaker, Coral Mae	Detroit, Michigan
Moody, Adah Maria	Grandville, Michigan
Mouw, Gertrude	Holland, Michigan
Mulder, Alberta Rensena	Grant, Michigan
Mulder, Jacob Elmer	Grant, Michigan
Musch, Marva Arlene	Muskegon, Michigan
Muyskens, Charlotte May	Grand Rapids, Michigan
Muyskens, Henry Theodore	Grand Rapids, Michigan
Nyburg, James Raymond	Grand Rapids, Michigan
O'Hara, Elma Katherine	L'Anse, Michigan
Osterhouse, Henrietta Ruth	Grand Rapids, Michigan
Ophoff, Fred H.	Widdicomb, Michigan
Oppewall, Peter	Mendon, Massachusetts
Otten, Arthur James	Sheboygan, Wisconsin
Otten, Robert Theodore	Sheboygan, Wisconsin
Overbeck, Robert John	Sheboygan, Wisconsin
Paulson, Jerry Arthur	Grand Rapids, Michigan
Peterson, John Junior	Grand Rapids, Michigan
Pettinga, Frank Lorenz	Byron Center, Michigan
Philips, Bess Adgate	Grand Rapids, Michigan
Piersma, Edwin John	Grand Rapids, Michigan
Pontier, Arthur E.	Grand Rapids, Michigan
Pool, John David	Grand Rapids, Michigan
Postma, Rica Lillyan	New Era, Michigan
Posthuma, Roger Dean	Grand Rapids, Michigan
Postma, Grace F.	New Era, Michigan
Potter, Marinus	Grand Rapids, Michigan
Prins, Herman John	Grand Rapids, Michigan
Recker, Robert Richard	Grand Rapids, Michigan
Redeker, Odeline Helen	Randolph, Wisconsin
Reens, Norbel Donald	Grand Rapids, Michigan
Ribbens, John C.	Grand Rapids, Michigan
Ribbens, William	Sheboygan, Wisconsin
Rietman, Marvin John	Zeeland, Michigan
Rinck, Grace Marie	Grand Rapids, Michigan
Rinsema, Grace	Gary, Indiana



NAME	HOME ADDRESS
Ritzema, Gerald Peter	Grand Rapids, Michigan
Roetman, Geneva Henrietta	Hull, Iowa
Rottier, John E.	Sheboygan, Wisconsin
Scharmack, Mary Cathryn	Grand Rapids, Michigan
Scharmack, Walter Keith	Grand Rapids, Michigan
Schmitt, Alma Z.	Grand Rapids, Michigan
Schripsema, Herman	Grand Rapids, Michigan
Schuitema, Martha	Grand Rapids, Michigan
Seven, Marvin J.	Grand Rapids, Michigan
Sikkema, Rose Mae	Grand Rapids, Michigan
Smalligan, William Bert	Grand Rapids, Michigan
Sneenge, Gerald Henry	Grand Rapids, Michigan
Sneller, Alto	Fremont, Michigan
Spaulding, May Charlotte	Grand Rapids, Michigan
Starn, (Mary) Kathryn	Grand Rapids, Michigan
Steenstra, Herman	Grand Rapids, Michigan
Stevens, Henry	Grand Rapids, Michigan
Stocking, Mildred H.	Grand Rapids, Michigan
Strikwerda, Madge	Grand Rapids, Michigan
Sweetman, Leonard	Paterson, New Jersey
Swierenga, William	Grand Rapids, Michigan
Sytsma, Richard	Grand Rapids, Michigan
Ten Brink, Samuel	Muskegon, Michigan
Ten Broek, Bernard John	Grand Rapids, Michigan
Ten Harmsel, Johanna	Hull, Iowa
Terpstra, Viola Lillian	Moline, Michigan
Timmerman, Jeanne Lucille	Grand Rapids, Michigan
Ubbink, Elmer Gordon	Grand Rapids, Michigan
Uitvlugt, Jacob W. F.	Ontario, Canada
Valentine, Olive Catherine	Grand Rapids, Michigan
Van Andel, Nicholas	Muskegon, Michigan
Van Antwerpen, Donald Erwin	Grand Rapids, Michigan
Vanden Berg, Tunis	Grand Rapids, Michigan
Vanden Bosch, Florence Evelyn	Edgerton, Minnesota
Vanderbilt, Ruth Annette	South Holland, Illinois
Vander Jagt, Samuel	Grand Rapids, Michigan
Van Der Laan, John Sidney	Grand Rapids, Michigan
Vander Linde, Henry Peter	Grand Rapids, Michigan
Vander Molen, Andrew Nicholas	Detroit, Michigan
Vander Ploeg, Esther	Jenison, Michigan
Vanderveen, John Martin	Grand Rapids, Michigan
Vander Weele, Harry	Sheboygan, Wisconsin
Van Der Weele, Steve John	Sheboygan, Wisconsin
Vander Wood, Jack Merlin	Grand Rapids, Michigan
Van Doorn, Gayl, Mrs.	Coopersville, Michigan
Van Gelderen, Marvin	Grand Rapids, Michigan
Van Heest, Madge Elaine	Lansing, Illinois
Van Kooten, Paul	Morrison, Illinois
Van Lonkhuyzen, Paul Christian	Grand Rapids, Michigan
Van Reken, Donald L.	Grand Rapids, Michigan
Van Smeren, Bernard Alwin	Baldwin, Wisconsin
Van Zanen, Robert Cornelius	Grand Rapids, Michigan
Veenstra, Gilford John	Grand Rapids, Michigan
Velders, Fred E.	Grand Rapids, Michigan
Veldkamp, William	Grand Rapids, Michigan
Veltkamp, James J.	Hanford, California
Verburg, Arthur John	Grand Rapids, Michigan
Verduin, Arlene	Caledonia, Michigan
Versluis, Lois Ruth	Grand Rapids, Michigan
Visser, George	Jenison, Michigan
Visser, Jennie	Ontario, Canada

NAME	HOME ADDRESS
Visser, Josephine	Hull, Iowa
Vos, Clarence John	Grand Rapids, Michigan
Vredevoogd, Clarence	Marion, Michigan
Walma, Albert	Grand Rapids, Michigan
Walstra, Chris	De Motte, Indiana
Weaver, Alice Mae	Fremont, Michigan
Weidenaar, Mrs. Effie	Grand Rapids, Michigan
Werkema, Clarence G.	Grand Rapids, Michigan
Westley, Clayton Murry	Pasadena, California
Westra, Maesal J.	Waupun, Wisconsin
Westrate, Donna Ruth	Grand Rapids, Michigan
Wierenga, John Richard	W. Lafayette, Indiana
Wiersma, Burnie Charles	Grand Rapids, Michigan
Willits, Paul	Grand Rapids, Michigan
Winters, Peter G.	Grand Rapids, Michigan
Walcott, Roy Andrew	Grand Rapids, Michigan
Wybenga, Catherine Lillian	New Era, Michigan
Wyangarden, Martin Kempers	Grand Rapids, Michigan
Yff, Peter John	Grand Rapids, Michigan
Ypma, Benjamin	Grand Rapids, Michigan
Zuiderhoek, Clay C.	Grand Rapids, Michigan
Zylman, Raymond	Sheboygan, Wisconsin
Zylstra, David B.	Grand Rapids, Michigan
Zylstra, Paul Calvin	Grand Rapids, Michigan
Zylstra, Martin Gene	Lynnville, Iowa

#### SUMMARY

Seniors	60
Juniors	72
Sophomores	148
Freshmen	374
Unclassified	36
Summer School	278
<b>Total</b>	<b>968</b>