CALVIN COLLEGE
AN INSTITUTION OF THE
CHRISTIAN REFORMED
CHURCH

YEARBOOK
1933-1934
Academic Record for 1933-1934
Announcements for 1934-1935

GRAND RAPIDS, MICHIGAN
How to Address Correspondence

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

Regarding admission and graduation requirements, address the Dean.

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

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

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

Regarding teaching positions after graduation, address the Placement Bureau.

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

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

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CALENDAR

1934

January 3, 7:00 A. M. .................. Christmas Vacation ends.
January 15-19 ........................... Final Examinations.
January 19 ................................ First Semester closes.
January 18-19 ........................... Registration for Second Semester.
January 23 ................................ Second Semester begins.
March 14 .................................. Day of Prayer.
March 23, 6:00 p. m. .................. Spring Vacation begins.
April 3, 7:00 A.M. ...................... Spring Vacation ends.
April 4-5 .................................. Re-examinations.
May 24 to June 1 ....................... Final Examinations.
June 5 ....................................... Commencement.

SUMMER VACATION

September 5, 9:00 A. M. .......... Enrolment of New Students.
September 5-6, 9:00 A.M. ........ Registration for First Semester.
September 6, 10:00 A. M. ........ Opening Exercises.
September 6-8 ......................... Re-examinations.
November 20-30 ....................... Thanksgiving Recess.
December 21, 6:00 P. M. .......... Christmas Vacation begins.

1935

January 3, 7:00 A. M. .................. Christmas Vacation ends.
January 14-18 ........................... Final Examinations.
January 18 ................................ First Semester closes.
January 18-19 ........................... Registration for Second Semester.
January 22 ................................ Second Semester begins.
February 22 ............................ Washington's Birthday.
March 8 .................................. Day of Prayer.
March 22, 6:00 P. M. .................. Spring Vacation begins.
April 2, 7:00 A.M. ...................... Spring Vacation ends.
April 3-4 .................................. Re-examinations.
May 20-31 ................................. Final Examinations.
June 4 ....................................... Commencement.
BOARD OF TRUSTEES

OFFICERS
The Rev. John Dolfin ........................................... President
The Rev. Wm. P. Van Wyk ................................... Vice-President
The Rev. Lambertus J. Lamberts ............................... Secretary
The Rev. Daniel Zwier ........................................ Assistant Secretary

MEMBERS
CLASSIS CALIFORNIA .............................................. Term Expires
The Rev. Martin M. Schans .................................. Redlands, Calif. ................................. 1934
The Rev. Richard J. Frans ................................... Harford, Calif. ................................. 1926
CLASSIS GRAND RAPIDS EAST ........................................
The Rev. James Brunnooge ................................... Moline, Mich. ................................. 1936
CLASSIS GRAND RAPIDS WEST ........................................
The Rev. Garrett Hofmeyer ................................. Grand Rapids, Mich. ........................ 1936
CLASSIS HASCENSACK ............................................. Term Expires
The Rev. John J. Hemenga ................................... Paterson, N. J. ................................. 1934
The Rev. Dirk De Beer ...................................... Passaic, N. J. ................................. 1936
CLASSIS HOLLAND ............................................... Term Expires
The Rev. Daniel Zwier ...................................... Holland, Mich. ................................. 1934
The Rev. Lambertus Veltkamp ............................... Holland, Mich. ................................. 1936
CLASSIS HUDSON ................................................... Term Expires
The Rev. James Holwerda ................................... Paterson, N. J. ................................. 1934
The Rev. John Wallotten ................................... Paterson, N. J. ................................. 1936
CLASSIS ILLINOIS ................................................. Term Expires
The Rev. Peter A. Hoekstra ................................ Cicero, Ill. ........................................ 1934
The Rev. Gerrit Hoekema .................................. Chicago, Ill. ...................................... 1936
CLASSIS MUSKOGON ............................................... Term Expires
The Rev. Lambertus J. Lamberts ......................... Fremont, Mich. ...................................... 1934
The Rev. John Dolfin ...................................... Muskegon, Mich. ...................................... 1936
CLASSIS ORANGE CITY ............................................ Term Expires
The Rev. Ralph Brotkoms, Th. D. ....................... Orange City, Iowa .................................. 1934
The Rev. William Brama ................................ Strohden, Iowa ...................................... 1936
CLASSIS OESTFRIESLAND ........................................... Term Expires
The Rev. Edward Joling ................................ Austintown, Iowa .................................. 1934
The Rev. William Bode, Th. D. ......................... Clara City, Minn. .................................. 1936
CLASSIS PACIFIC .................................................. Term Expires
The Rev. Jacob Mulder ...................................... Noblesford, Alta., Canada ......................... 1934
The Rev. Albert H. Bratt ................................ Manhattan, Mont. .................................. 1936
CLASSIS PELLA ...................................................... Term Expires
The Rev. Paul De Koolkoek ................................ Otley, Iowa ........................................ 1934
The Rev. Hazert Van Dellen ................................ Denver, Colo. ...................................... 1936

BOARD OF TRUSTEES

CLASSIS SIOUX CENTER ............................................ Term Expires
The Rev. John H. Gorelings ................................ New Holland, So. Dak. .............................. 1934
The Rev. John M. Dykstra ................................ Sioux Center, Iowa .............................. 1936
CLASSIS WISCONSIN ............................................... Term Expires
The Rev. William Terpsma ................................ Sheboygan, Wis. .................................. 1934
The Rev. John C. Schap ................................ Oostburg, Wis. ...................................... 1936
CLASSIS ZEELAND ................................................... Term Expires
The Rev. Ebo J. Krohn ....................................... Hudsonville, Mich. ............................. 1934
The Rev. William Kok ...................................... Zeland, Mich. ..................................... 1936

EXECUTIVE COMMITTEE
The Rev. Lambertus Veltkamp, President
The Rev. Lambertus J. Lamberts, Secretary
The Rev. James Brunnooge
The Rev. Ysen P. De Jong, Th. D.
The Rev. Ebo J. Krohn

COMMITTEE ON FINANCES
Mr. Gerrit J. Rooks, President
The Rev. Daniel Zwier, Secretary
Mr. Gerrit L. Doremus
Dr. Albert B. Poppens
Mr. John Heiman
Mr. Benjamin W. Hertel
Mr. Fred L. Winter

Mr. Tony Noordewier, Treasurer .......................... 865 Kalsmano Ave., S. E.
Mr. Henry Voss, Assistant Treasurer ........................ 411 Noland Ave., S. E.
Miss Caroline Veen, Clerk .................................. 1080 Benjamin Ave., S. E.
Mr. E. J. Norden, Janitor .................................. 1109 Thomas St., S. E.
THE FACULTY

RALPH STOB, Ph. D., President
Professor of the Greek Language and Literature
1294 Calvin Avenue, S. E.
Telephone 5-4883

ALBERTUS ROOKS, A. M., Dean
Professor of the Latin Language and Literature
737 Benjamin Avenue, S. E.
Telephone 5-1221

KLAAS SCHOLLAND
Professor Emeritus of the Greek Language and Literature
884 Worden Street, S. E.
Telephone 5-7188

JACOB G. VAN DEN BOSCH, A. M.
Professor of the English Language and Literature
847 Dainis Street, S. E.
Telephone 5-4054

ALBERT E. BROENE, A. B.
Professor of Modern Languages
1417 Thomas Street, S. E.
Telephone 3-3825

JOHANNES BROENE, A. M.
Professor of Education
1409 Fisk Street, S. E.
Telephone 5-3020

JOHN P. VAN HAITSMA, Ph. D.
Professor of Organic Science
1087 Benjamin Avenue, S. E.
Telephone 3-6826

JAMES NIEUWDOORE, B. S.
Professor of Mathematics
909 Benjamin Avenue, S. E.
Telephone 5-3765

HENRY J. G. VAN ANDEL, A. M.
Professor of the Holland Language and Literature
1231 Giddings Avenue, S. E.
Telephone 5-5906

PETER HORESTRA, Ph. D., Secretary
Professor of History and Political Science
1010 Worden Street, S. E.
Telephone 3-4710

HENRY J. RYNKAMP, Ph. D.
Professor of Economics and Sociology
1201 Sherman Street, S. E.
Telephone 9-3857

WILLIAM HARRY JELLEMA, Ph. D.
Professor of Philosophy
1332 Giddings Avenue, S. E.
Telephone 5-3608

HARRY G. DEKKER, M. S., Registrar
Professor of Chemistry
1899 Alexander Street, S. E.
Telephone 3-4640

THE REV. H. HENRY MEETER, Th. D.
Professor of Bible
1045 Fuller Avenue, S. E.
Telephone 5-7692
ADMISSION

All applications for admission to Calvin College should be made to the Dean. Blanks will be furnished on request.

All applicants for admission must present a satisfactory written testimonial of good moral conduct. One who intends to study for the ministry must in addition present a recommendation from his consistory endorsing him for the ministry.

The regular time for admission is at the beginning of the school year in September, and at the beginning of the second semester in January. The Faculty has the right, however, to accept during the school year students that meet the requirements.

All certificates and testimonials should be submitted to the Dean as soon as possible, and not later than the day of registration.

Freshman Standing

Students are admitted to Freshman standing on one of the following three plans:

Plan A. Admission by Certificate. To be admitted on this plan, the applicant must meet the following four requirements:

1. Certification. The applicant 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. Certain of these fifteen units are prescribed. How many and which units are prescribed depends on the college course to which the applicant seeks admission with Freshman standing, as follows:

For admission to the General College course, nine units prescribed:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>2</td>
</tr>
<tr>
<td>Dutch, French, German, Greek, or Latin</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>9</td>
</tr>
</tbody>
</table>

For admission to the Pre-Seminary course, twelve units prescribed:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1</td>
</tr>
<tr>
<td>English</td>
<td>2</td>
</tr>
<tr>
<td>Geology</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>4</td>
</tr>
</tbody>
</table>

For admission to the Pre-Professional course, twelve units prescribed:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>6</td>
</tr>
</tbody>
</table>
For admission to the course in Education, nine units are prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1 unit</td>
</tr>
<tr>
<td>English</td>
<td>1 unit</td>
</tr>
<tr>
<td>Foreign Languages, any one:</td>
<td>1 unit</td>
</tr>
<tr>
<td>Dutch, French, German, Greek, or Latin</td>
<td>2 units</td>
</tr>
<tr>
<td>History</td>
<td>1 unit</td>
</tr>
<tr>
<td>Laboratory Science, any one:</td>
<td>1 unit</td>
</tr>
<tr>
<td>Biology</td>
<td>1 unit</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>English</td>
<td>3 units</td>
</tr>
<tr>
<td>French or German</td>
<td>3 units</td>
</tr>
</tbody>
</table>

For admission to the Pre-Medical course (this applies also to such as intend later to study Dental Surgery), ten and one-half units prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1 unit</td>
</tr>
<tr>
<td>Biology</td>
<td>1 unit</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>English</td>
<td>1 unit</td>
</tr>
<tr>
<td>French or German</td>
<td>2 units</td>
</tr>
</tbody>
</table>

For admission to the Pre-Law course, nine units prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1 unit</td>
</tr>
<tr>
<td>English</td>
<td>1 unit</td>
</tr>
<tr>
<td>Foreign Languages, any one:</td>
<td>1 unit</td>
</tr>
<tr>
<td>Dutch, French, German, Greek, or Latin</td>
<td>2 units</td>
</tr>
<tr>
<td>History</td>
<td>3 units</td>
</tr>
<tr>
<td>Laboratory Science, any one:</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

For admission to the Pre-Engineering course (this applies also to such as intend later to study Architecture), nine and one-half units are prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1 1/4 units</td>
</tr>
<tr>
<td>English</td>
<td>3 units</td>
</tr>
<tr>
<td>Foreign Languages, any one:</td>
<td>2 units</td>
</tr>
<tr>
<td>Dutch, French, German, Greek, or Latin</td>
<td>2 units</td>
</tr>
<tr>
<td>History</td>
<td>1 unit</td>
</tr>
<tr>
<td>Laboratory Science, any one:</td>
<td>1 unit</td>
</tr>
<tr>
<td>Botany, Chemistry, Physics, or Zoology</td>
<td>1 unit</td>
</tr>
<tr>
<td>Geometry</td>
<td>1 1/4 units</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>1/2 unit</td>
</tr>
</tbody>
</table>

(If the applicant is unable to fulfill the requirement in Trigonometry, he may substitute one full additional unit of Foreign Languages for that case, he will, however, be required to take Trigonometry in college in addition to the other requirements of the Pre-Engineering course.)

4. Distribution of work. After in each instance deducting the number of units prescribed, the remainder of the fifteen units may be distributed in the following list; except that two units may consist of subjects which, though not included in the following list, are counted toward graduation by the accrediting school.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible</td>
<td>1 to 3 units</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>Civics and Economics</td>
<td>1/2 to 1 unit</td>
</tr>
<tr>
<td>Dutch</td>
<td>1 to 4 units</td>
</tr>
<tr>
<td>English</td>
<td>3 to 4 units</td>
</tr>
<tr>
<td>French</td>
<td>2 to 4 units</td>
</tr>
<tr>
<td>Geography and Geology</td>
<td>1/2 to 1 unit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>1 to 2 units</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>Civics and Economics</td>
<td>1/2 to 1 unit</td>
</tr>
<tr>
<td>Dutch</td>
<td>2 to 4 units</td>
</tr>
<tr>
<td>English</td>
<td>3 to 4 units</td>
</tr>
<tr>
<td>French</td>
<td>2 to 4 units</td>
</tr>
<tr>
<td>Geography and Geology</td>
<td>1/2 to 1 unit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>1 to 2 units</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>Civics and Economics</td>
<td>1/2 to 1 unit</td>
</tr>
<tr>
<td>Dutch</td>
<td>2 to 4 units</td>
</tr>
<tr>
<td>English</td>
<td>3 to 4 units</td>
</tr>
<tr>
<td>French</td>
<td>2 to 4 units</td>
</tr>
<tr>
<td>Geography and Geology</td>
<td>1/2 to 1 unit</td>
</tr>
</tbody>
</table>

PLAN B. ADMISSION BY EXAMINATION. Applicants who are unable to furnish approved certificates and are therefore unable to meet the first requirement of PLAN A, may be admitted if by pass

ADVANCED STANDING

ing satisfactory examinations 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 on PLAN B, who meets all the requirements save that he falls 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 made good during the first year of residence.

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, having at the time of entrance declared the subjects in which he desires advanced standing, then during his first year of residence at Calvin College creditably completes, in the respective departments of study concerned, courses which presuppose a satisfactory knowledge of the work for which advanced standing is asked.

4. 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.

5. 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 ten 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 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

All Tuition and other fees are charged by the semester, and must be paid to the College Treasurer during the first five days of registration for the semester.

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

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

Regular Tuition Fee. The regular tuition is fifty dollars a semester. In certain instances, however, reductions are made; as follows:

For two students from one family residing west of the Ohio River and east of the Mississippi River, the tuition fee for each is thirty-seven and one-half dollars a semester.

For students residing east of the Ohio River, the tuition fee is thirty-three and one-half dollars a semester; for two students from one family residing in the region defined, the tuition fee for each is twenty-seven dollars a semester.

For students residing west of the Mississippi River but east of Montana, Wyoming, Colorado, and New Mexico, the tuition fee is thirty-three and one-half dollars a semester; for two students from one family residing in the region defined, the tuition fee for each is twenty-seven dollars a semester.

For students residing in Montana, Wyoming, Colorado, New Mexico, or in points west of these states, the tuition fee is seventeen and one-half dollars a semester.

For students in the pre-Seminary course the tuition will be the same as that charged students in other courses; upon admission to our Seminary, however, the excess paid over and above the rates specified in the College catalog of 1931 on page 21 (previously approved by the Board and Synod) will be credited toward tuition in the Seminary until absorbed.

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.

Less Than Nine Hours. Students taking less than nine semester hours have their tuition fee computed at the rate of six dollars, for each semester hour.

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

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

Graduation Fee. The general graduation fee, including diploma, is five dollars.

Late Registration. A fee of one dollar will be charged for late registration.

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

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

Living Expenses

Living Expenses, including board, room rent, fuel, light, laundry, and text books, are from $200.00 up.

Board and Room with Private Families

Board in private families will cost from four to eight dollars a week.

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

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

Student Expenses

all in its power to obtain for the student the kind of place desired. Correspondence is cordially invited.

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.

Girl students who wish to work for board and room should correspond with the Dean of Women, Calvin College, who will gladly render all possible assistance.

Board and Room at Calvin Dormitory

Male students may obtain board and room at the college dormitory for six dollars a week and upward. Application for admission should be made to the Committee on Dormitory and Boarding Places, Calvin College. Since new applications are given preference according to time of filing, the applicant is advised to correspond with the committee as soon as he has made up his mind to reside at the Dormitory.

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.
STUDENT AID

Scholarships and Prizes

University of Michigan State College Fellowship.—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 each year to the administration office of the Graduate School some members 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 fellowship or scholarship. An alternate may also be nominated in each instance."

Students wishing to make application for this fellowship 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 $1,500.00 for study at Oxford. Students wishing to compete should consult the Registrar before October 1, 1934.

For detailed information address Mr. James K. Watkins, 923 Ford Bldg., Detroit, Mich.

Freshman Scholarships. Each year Calvin College offers a scholarship, consisting of free tuition for the Freshman year, to a member of the graduating class in each of the five Christian High Schools (Eastern, Chicago, Grundy, Holland, and Western), who is recommended thereto by the faculty of that school, in accordance with the following conditions:

1. The recommendation shall be on the basis of scholarship, Christian character, personality, and promise of growth.
2. The recipient must have fulfilled regular college admission requirements.
3. The recipient should expect to complete the course at Calvin.
4. The recipient should have been in residence at the high school from which he graduates for at least his junior and senior years.
5. If in the opinion of the faculty of any of these schools no suitable candidate is available, no award shall be made in that particular year.

Brookman Oratorical Prizes.—Through the generosity of Dr. G. J. Brookman 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 Oratorical League held in March of each year.

Brookman Debating Trophy.—All students are eligible for intramural debating in competition for the silver cup awarded by Dr. G. J. Brookman. The names of the three winners are inscribed on this cup. Calvin as a member of the Michigan Intercollegiate Speech League, each year puts into the field two teams to meet other colleges. The intercollegiate debaters are chosen by faculty judges from those who participate in the intramural debates.

Heyboer Prize.—Mr. G. A. Heyboer of Grand Rapids has given 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 Oratorical League held in March of each year.

The Rink Memorial Prize.—A fund of $500.00 has been subscribed by former students and friends of the late William Rink, 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".

Hoffius Prize.—Mr. C. Hoffius, former prosecuting attorney of Kent County, Michigan, has given to the College $300.00 from which prizes are to be given annually to the student doing the best work in some subject specifically included in the pre-Law Course. Freshmen and all pre-Seminary students are not eligible.

Prizes and Awards

Bethany, Muskegon, Mission Prize.—Through the courtesy of the Men's Bible Class of the Bethany Church at Muskegon, a first prize of thirty dollars ($30.00) and a second prize of twenty dollars ($20.00) is offered annually for the two best essays on any missionary subject. Competition for these prizes is open not only to the college students, but also to those of the seminary. Essays must be handed in either to the college president or to Professor Volbeda, who are also ready to give further information regarding the conditions governing the awarding of this prize.

The Beets Calvinism Prize.—Dr. and Mrs. Henry Beets have presented the College with $300.00, the income of which is to con-
stitute 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.

The C. J. Geenen Prize.—Dr. C. J. Geenen of Grand Rapids, for an indefinite period, offers a prize of $25.00 annually for the best essay on a subject to be announced by the donor. The contest is open to all college students, and papers must be submitted on or before May 1.

Placement Bureau

A Placement Bureau which will effect the placing of prospective teachers, graduates from Calvin College (including the Normal Department), has been established. This Bureau keeps on file a list of all 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. The services are given without charge.

ADMINISTRATION

Religious Culture

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

Furthermore, all students are required to attend the devotional exercises held in the auditorium each school day at 9:40 A.M.

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

At least once in a school year each student is visited by some professor, the object of this visit being not only to speak with the student about methods of study, difficulties encountered in the work, habits of living, but especially to be a help to him in his spiritual life.

Physical Education

Every freshman and sophomore student is required to take two hours of gymnastics or physical education per week. No credit is given for this work.

Attendance

The school year of thirty-six weeks is divided into two semesters of eighteen weeks each.

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 equated in honor points is used; as follows:

<table>
<thead>
<tr>
<th>MARK</th>
<th>INTERPRETATION</th>
<th>HONOR POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>Good or very good.</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>Graduation average.</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>Unsatisfactory; just passable.</td>
<td>0</td>
</tr>
<tr>
<td>E</td>
<td>Condition, which may be removed by re-examination.</td>
<td>Minus 1</td>
</tr>
<tr>
<td>F</td>
<td>Failure. No re-examination.</td>
<td>Minus 2</td>
</tr>
<tr>
<td>Inc.</td>
<td>Work not completed.</td>
<td></td>
</tr>
</tbody>
</table>

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.

To remove a mark Inc. the student must secure credit for the course by satisfying the instructor, within two semesters. Responsibility for securing such credit and for obtaining from the instructor concerned a signed removal slip without which no change is made in the Registrar’s entries, and for presenting such removal slip to the Registrar, lies with the student. Should a student fail to remove the mark Inc. within the allotted time, the mark automatically becomes F.

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

**Examinations and Written Work**

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

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

**Administration**

Term papers and book reports (not including weekly or bi-weekly assignments) shall be in three weeks before the final examinations. Students who fail to submit such written work on time will receive an Inc. in that course unless a written excuse be obtained from the Dean. Removal of such an Inc. may be made in the regular way (see page 22), but with a demerit of at least one point on the semester’s standing. Thus A becomes B, B becomes C, and so forth.

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

**Dropping and Changing of Courses**

After a student has enrolled for a study, he may not drop it without written permission of the Dean. A student may not change his course of study without permission from the Dean.

**Dismissal**

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

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

Every student (except those few who register as "Unclassified") must, in addition to the physical education required of freshmen and sophomores, fulfill 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, English, French, German, Greek, History, Latin, Mathematics, Music, Organic Science, Philosophy, Physics, Political Science, 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 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101, 102, 201, 202, 301</td>
<td>10</td>
</tr>
<tr>
<td>English 101, 104</td>
<td>6</td>
</tr>
<tr>
<td>French or German</td>
<td>12</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy (not including Psychology or Logic)</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science</td>
<td>10</td>
</tr>
<tr>
<td>Latin 10 hours or Greek 14 hours</td>
<td>10</td>
</tr>
</tbody>
</table>

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. 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.6 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. At least one-half of the work taken in residence beyond the sophomore year must be in courses not open to freshmen.

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6 Should a student choose Group II as his major, 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.
5. DEGREE. On satisfactory completion of this course, the student will receive the degree of bachelor of arts.

6. STATE TEACHERS’ LIFE CERTIFICATE. To be eligible for recommendation for a State Teachers’ Life Certificate the student must on graduation have to his credit a total of 125 hours. Twenty hours of Education (including Education 324, 352, 350m) and the required courses in the subject of his preference, must be included in this total.

PRE-SEMINARY

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.

To receive in addition the faculty’s recommendation for admission to Calvin Seminary, the student must obtain a total of 167 honor points, representing an average grade of C-.

3. PRESCRIBED WORK. The following 113 hours of work are prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101, 102, 201, 202, 301</td>
<td>6</td>
</tr>
<tr>
<td>Dutch</td>
<td>8</td>
</tr>
<tr>
<td>English</td>
<td>12</td>
</tr>
<tr>
<td>German</td>
<td>8</td>
</tr>
<tr>
<td>Greek</td>
<td>30</td>
</tr>
<tr>
<td>New Testament Greek</td>
<td>4</td>
</tr>
<tr>
<td>History 101-102, 103-104</td>
<td>6</td>
</tr>
<tr>
<td>Latin</td>
<td>12</td>
</tr>
<tr>
<td>Philosophy (including)</td>
<td>6</td>
</tr>
<tr>
<td>Organic Science</td>
<td>6</td>
</tr>
<tr>
<td>Psychology and</td>
<td>12</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>Sociology</td>
<td>6</td>
</tr>
<tr>
<td>Sociology</td>
<td>12</td>
</tr>
</tbody>
</table>

The student who is deficient in the two units of high school German required for admission to the Pre-Seminary course, and who to make good this deficiency takes German in the College, will not be required to take three additional hours of college German.

4. DISTRIBUTION OF ELECTIVES. Of the remaining twelve hours (electives), at least six must be taken in a department in which the student has already had six hours of work. None of the elective hours may be applied for meeting any deficiencies in high school subjects which the student may have on admission to the course.

5. DEGREE. On satisfactory completion of this course, the student will receive the degree of bachelor of arts.

EDUCATION

1. AMOUNT OF WORK. The student must complete 125 hours of work.
5. DEGREE. On satisfactory completion of this course the student will receive the degree of bachelor of arts in education, and will be recommended for a State Teachers' Life Certificate.

Pre-Medical and Pre-Dental

1. AMOUNT OF WORK. The student must complete ninety-four hours of work.

2. GRADE OF WORK. The student must obtain a total of ninety-four honor points; in other words, must obtain an average grade of C+; except that to be eligible for the degree of bachelor of arts he must in the three years of residence obtain a total of 125 honor points, representing an average of C+.

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

**Freshman Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101</td>
<td>3 hours</td>
</tr>
<tr>
<td>Chemistry 104</td>
<td>3 hours</td>
</tr>
<tr>
<td>English 104</td>
<td>3 hours</td>
</tr>
<tr>
<td>Organic Science 105</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 101 or Econ. 101</td>
<td>3 hours</td>
</tr>
<tr>
<td>16 hours</td>
<td>17 hours</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 201</td>
<td>3 hours</td>
</tr>
<tr>
<td>Chemistry 202</td>
<td>3 hours</td>
</tr>
<tr>
<td>French or German</td>
<td>3 hours</td>
</tr>
<tr>
<td>Phil. 201 (Psych)</td>
<td>3 hours</td>
</tr>
<tr>
<td>Physics 201</td>
<td>3 hours</td>
</tr>
<tr>
<td>16 hours</td>
<td>17 hours</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 201</td>
<td>3 hours</td>
</tr>
<tr>
<td>Chemistry 202</td>
<td>3 hours</td>
</tr>
<tr>
<td>English</td>
<td>3 hours</td>
</tr>
<tr>
<td>French or German</td>
<td>3 hours</td>
</tr>
<tr>
<td>Organic Science 203</td>
<td>3 hours</td>
</tr>
<tr>
<td>Organic Science 300</td>
<td>4 hours</td>
</tr>
<tr>
<td>16 hours</td>
<td>15 hours</td>
</tr>
</tbody>
</table>

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 eight hours for a unit of first-year work, and by six hours for a unit of second-year work. But six hours of either French or German must be taken in college.

REQUIREMENTS FOR GRADUATION

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

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 arts. 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.

Pre-Law

1. AMOUNT OF WORK. The student must complete ninety-four hours of work.

2. GRADE OF WORK. The student must obtain a total of ninety-four honor points; in other words, must obtain an average grade of C+; except that to be eligible for the degree of bachelor of arts the student must obtain 125 honor points, representing an average of C+.

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

**Freshman Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101</td>
<td>2 hours</td>
</tr>
<tr>
<td>English 102</td>
<td>3 hours</td>
</tr>
<tr>
<td>Latin 103</td>
<td>3 hours</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>3 hours</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>3 hours</td>
</tr>
<tr>
<td>16 hours</td>
<td>15 hours</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 201</td>
<td>2 hours</td>
</tr>
<tr>
<td>English</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 203</td>
<td>3 hours</td>
</tr>
<tr>
<td>Latin 3 hours; or French or German</td>
<td>3 hours</td>
</tr>
<tr>
<td>Political Science</td>
<td>3 hours</td>
</tr>
<tr>
<td>Sociology 203</td>
<td>3 hours</td>
</tr>
<tr>
<td>16 hours</td>
<td>15 hours</td>
</tr>
</tbody>
</table>
Junior Year

Bible 201 .............................................. 2 hours
English .............................................. 3 hours
History 201 .......................................... 3 hours
Political Science .................................... 3 hours

If the student has had French or German in high school, the number of hours prescribed in the College may be reduced by eight hours for a unit of first-year work.

Since modern language requirements for admission into law schools vary widely, law 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 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 arts. He will receive this degree after one year of successful work in a recognized law school.

Pre-Engineering

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

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

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

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

Pre-Business Administration

A course meeting the requirements for admission to Class A mid-western schools of Business Administration will be arranged for students interested in business administration and commerce.

Pre-Forestry

For students who wish to enter upon the study of forestry two courses can be arranged. One course consists of two years of study at Calvin College plus two years and a summer session at a recognized School of Forestry. This course leads to the degree of Bachelor of Science in Forestry to be given by the School of Forestry. The other course consists of three years of study at Calvin plus two years at the University of Michigan School of Forestry. This course leads to a Bachelor of Arts degree from Calvin and a Master of Science in Forestry from the University of Michigan.

Pre-Nursing

For those interested in Nursing one year of work can be arranged which will be accepted by local hospitals.
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.

227. PENMANSHIP
Two hours
Theory and practice. Freeman system. Blackboard writing also included. No college credit given for this course.

301. INDUSTRIAL ART
Three hours
Art education in the elementary school will be treated in the manner of Winchom’s Organization of Teaching Art: A Program for Art Education in the Schools.

331. FLEMISH PAINTING
Three hours
A course in the Flemish and Dutch primitives and Italian painters, 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.

352. 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.
Prerequisite: 331.

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, and inspiration, and related subjects are investigated. A special introduction, inquiring into the contents, historical setting, literary form, and especially the permanent ethical and religious values of each book.

102. INTRODUCTION TO THE BOOKS OF THE BIBLE
Continuation of 101.

201. REFORMED DOCTRINE
Two hours
The purpose is to give an advanced course of study in the doctrines of the Christian religion as contained in the Bible and as reflected in the confessional standards of the Reformed Churches.

202. REFORMED DOCTRINE
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, ethics, political life, social life, science, and art, as well as the proper application of its principles in these spheres. The course consists of lectures, assigned readings, and essays. Open to Juniors and Seniors. To others only by special permission.
302. Hebrew Culture
Two hours
A study of the geographical, social, civic, and religious customs of the Hebrews, and of the peoples among whom they lived when the Bible story.

304. Church History
Three hours
The historic development of Christianity and events related to it. Special consideration is given the development amongst the Reformed churches, especially of the Netherlands and America. Open to Juniors and Seniors. Not given in 1934-1935.

Chemistry

101. General Inorganic Chemistry
Four hours
Three hours in class-room and one laboratory period of four hours per week. Laboratory fee, $3.00. Breakage fee, $3.00. Prerequisite: no previous training in Chemistry required, but student should have knowledge of Physics.

102. General Inorganic Chemistry
Four hours
Continuation of 101. Hours, texts, and fees the same.

103. General Inorganic Chemistry
Four hours
Three hours in class-room and one laboratory period of four hours per week. Laboratory fee, $3.00. Breakage fee, $3.00. Prerequisite: high school chemistry.

104. General Inorganic Chemistry
Four hours
Continuation of 103. Hours, texts, and fees the same.

201. Qualitative Analysis
Four hours
Two hours of class-room work, one quiz period, and two labora-
tory periods of three hours each per week. Laboratory fee, $3.00. Breakage fee, $5.00. Prerequisites: 103 and 104 or 101 and 102.

202. 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.

301. Quantitative Analysis
Four hours
One hour 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.

302. Inorganic Chemistry
Two hours
A course emphasizing the theories and laws of inorganic chem-
istry and presenting some of the principles of inorganic physical chemistry. Two hours class-room work. Prerequisites: Chemistry 201, and preferably Physics 201 and 202.

304. Organic Chemistry
Three hours
Three lecture hours per week. A continuation of 202, stressing particularly the aromatic compounds. Prerequisites: General Inorganic Chemistry and 202.

DUTCH

3301. Teachers' Course
One hour
Methods of teaching Chemistry in secondary schools. Prerequi-
site: two years of chemistry.

Dutch

101. Elementary Grammar
Three or four hours
Conjugations and declensions. Required outside reading. Four hours is required of those whose reading knowledge of Dutch is deficient.

102. Advanced Grammar
Three or four hours
Review. Full declensions. Syntax. Required outside reading. In class some Dutch works are read.

201. Reading (Elementary)
Three hours
A course in the reading of Dutch folklore and simple literature. Required outside reading.

202. Reading (Advanced)
Three hours
A course in the reading of simple and more advanced literature. Required outside reading. Oral composition.

303. Flemish Renaissance
Three hours

304. Dutch Renaissance
Three hours
History of Dutch literature between 1600 and 1800. The spirit of Dutch Humanism, Calvinism, and Rationalism is discussed. Re-

305. Dutch Romanticism
Three hours
Special study of Bilderdijk and Da Costa. Required outside reading and essays. Given 1932-34.

306. Modern Literature
Three hours
The modern movements of Naturalism, Symbolism, and Neo-
classicism. Required outside reading and essays. Given in 1932-34.

Note: Courses 101, 102, 302, 304, 305, and 306 and one of the Dutch history courses are required of those who take the pre-Seminary course.

B MEDEIVAL 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 Nether-
lands during the Roman and Frankish periods. Given in 1932-33.

324. First Renaissance (1000-1500)
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 universalists, new mysticism, Gothic art, and Romance literature; Dante. Given in 1932-33.
325. SECOND RENAISSANCE AND REFORMATION (1500-1568) Three hours
A short review of the history of the Netherlands up to 1580. The age of unrest. The Christian and the Flemish Renaissance; the Italian Renaissance, and its distribution over Western Europe through the Brethren of the Common Life. The Renaissance spirit. The Reformation and its intensive character in the Nether-

326. THIRD RENAISSANCE AND REVOLUTION (1688-1815) Three hours
The eighty years' war. The Dutch Golden Age and its influ-
ence 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 mani-
factured in Holland. The rebirth of Calvinism as a political and cul-

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. Prerequisite: 331.

Economics and Sociology
The courses in Economics and Sociology are considered as belonging
to one department. To avoid confusion in enrolling, the student will
receive careful advice from both the number and the name of the course
required.

Freshmen intending to major in this department are advised to begin
with 101 and 102, introductory to both economics and sociology.

101. (Economics and Sociology) HUMAN AND
ECONOMIC GEOGRAPHY Three hours
A study of man's adaptation to and control of his physical en-
vironment, with emphasis on the recourses of the several economic
regions of the world and their effect upon man's habits, industries,
trade relations, methods and lines of transportation, and so forth.
Intended for those particularly interested in the social sciences
and for those specializing in education. A Freshman course.

102. (Sociology) INTRODUCTION TO SOCIOLOGY Three hours
An orientation course, including a brief discussion of the prin-
ciples of sociology and of some of the modern social problems. A
Freshman course.

201. PRINCIPLES OF ECONOMICS Three hours
A review of the fundamental principles underlying modern eco-
nomic 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 applica-
tion of the same to current industrial problems and institutions.

EDUCATION

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 ap-
proaches 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 prin-
ciples of sociology to the outstanding social institutions; including a
discussion of the more prominent of the present-day social
problems.

205. (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 role 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.

206. (Economics) BUSINESS ORGANIZATION AND
COMBINATION (Corporation Finance) Three hours
A continuation of 201. The financial promotion of corporations

207. (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 unions. Prerequisite: 201 and 202, or 203 and 204.

208. (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
and social and educational institution, and at a thorough dis-
cussion of the diverse problem and other problems connected with modern
family life. Prerequisites: 102, 203, and 204, or their equivalents.

209. (Sociology) EDUCATIONAL SOCIOLOGY
Three hours
This course is offered in the department of Education.

209. (Economics) PRINCIPLES OF MARKETING Three hours
A study of the marketing functions, the marketing of particular
commodities, the functions and mode of operation of middlemen,
associative activities affecting marketing, price policies, etc. Given
in 1932-33.

Education

101. INTRODUCTORY PSYCHOLOGY Three hours
A general course in psychology for beginners with some refer-
cence to the implications of psychology for pedagogy.

102. EDUCATIONAL PSYCHOLOGY Course 101, or its equivalent, is a prerequisite.
104. GENETIC PSYCHOLOGY Three hours
A study of the psychology of the child. Course 101, or its equivalent, is a prerequisite. Not offered after 1933-34.

105. PRINCIPLES OF EDUCATION Three hours
A study of the aims of education and of the various underlying problems.

106. THE PRACTICE OF EDUCATION Three hours
This course deals with the teaching process and with problems pertaining to class management. Not offered after 1933-34.

107. HISTORY OF EDUCATION Three hours
A brief survey in one semester of the history of education since the Middle Ages. Educational development will be viewed in the light of religious, social, economic, and political changes. Students taking this course should in their first or second year take one or two courses in history.

108. HISTORY OF EDUCATION Three hours
A survey of the growth of educational theory and practice during the ancient and medieval periods.

109. HISTORY OF EDUCATION Three hours
A continuation of 108 covering the modern period.

110. SCHOOL ADMINISTRATION Three hours
This course aims to discuss the organization and management of state and local school systems.

111. PRINCIPLES AND METHODS OF SECONDARY EDUCATION Three hours
A study of secondary school problems. Special attention is given to the phenomena and problems of adolescence.

112. EDUCATIONAL SOCIOLOGY Three hours
A study of social structure and educational practice with emphasis on present-day problems. Accepted by State authorities as equivalent to 305.

113. ABNORMAL PSYCHOLOGY Three hours
A study of disorders of sensation, perception, association, etc. Some study is made of hypnosis, hysteria, and other subjects usually considered under the heading Abnormal Psychology, especially, too, the phenomena and problems of insanity. Course 101, or its equivalent, is a prerequisite.

 COURSES IN METHODS

211. PRINCIPLES OF TEACHING IN ELEMENTARY SCHOOLS Three hours
Various units of work will be presented, such as characteristics of method, the problem of individual difference, controlling principles of the Public School and the Christian School in the United States, etc.

212. PRINCIPLES OF TEACHING IN 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. This course is intended especially for students looking for teaching positions in the junior and senior high schools.

EDUCATION

225. PRINCIPLES OF KINDERGARTEN-PRIMARY GRADES Teaching
Two hours
The following units will be taken up: a brief history of the kindergarten past and present; the capital of the child in kindergarten and primary grades; and the content of the curriculum with special emphasis on project teaching.

230. METHODS OF TEACHING READING, GEOGRAPHY, AND ART Three hours
The new approaches in teaching reading and geography with emphasis on the experimental phase will be taken up. Bible teaching will be considered with reference to elementary schools.

232. METHODS OF TEACHING HISTORY Three hours
Two hours per week will be devoted to content and one to method. The content aspect of the course will consist of a survey of the history of the United States. In the method hour, methods of teaching history from the lower grades through those of the junior high school will be discussed. The method hour is intended also for four-year college students majoring in history.

234. METHODS OF TEACHING ARITHMETIC Three hours
Both content and methods in arithmetic throughout the grades will be considered.

236. METHODS OF TEACHING MUSIC Two hours
The student will get practice in leading 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.

238. METHODS OF TEACHING ENGLISH One, two, or three hours
Content as well as methods receive attention. Same as English 380m. Two hours devoted to content; one to method.

240. METHODS OF TEACHING LATIN Three hours
Same as Latin 327 and 329m combined.

310. EDUCATIONAL MEASUREMENTS Three hours
A survey course of present-day practices of measuring the results of teaching and of mental testing.

321. 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. The three class hours are devoted to conferences and class discussion of reports. Each student is required to write four intensive reports. For students planning to teach in the elementary schools. To be taken in the first semester of their Senior year.

322. CURRICULUM ELEMENTARY SCHOOL Two hours
An investigation into the technique of teaching language usage, grammar, and composition receives the main emphasis.

324. DIRECTED OBSERVATION AND LESSON PLANNING Three hours
This course is like Education 321 and is for students looking for positions in the junior and senior high schools. To be taken the second semester of their Junior year.
CALVIN COLLEGE

235. PRACTICER TEACHING
   Five hours
   Course 321 or 324 is a prerequisite. Offered both semesters.

333m. THE TEACHING OF LATIN OR ENGLISH, ETC.
   Teachers' courses offered in the various departments are all indicated by the number 333 preceded by the letter m. For description see under the department wanted.

Engineering Drawing and Statics

101. MECHANICAL AND MACHINE DRAWING
   Three hours
   The principles of orthographic projection; practice in making of working drawings; practice in lettering; and tracing. Three two-hour drafting-room periods, three hours home work a week.

102. DESCRIPTIVE GEOMETRY
   Three hours
   Exercises, instructions, and drill through the medium of 50 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 making of working drawings from sketches; free-hand lettering. Two two-hour drafting-room periods, two hours home work a week. Prerequisite: 101.

302. STATICS
   Three hours

English

163. FRESHMEN ENGLISH
   Three hours
   This is a basic course required of all Freshmen.

164. FRESHMEN 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.

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 1660
   Three hours
   Emphasis upon Beowulf, the metrical romance, Chaucer, the humanists, and the non-dramatic writers of the Elisabethan age. Not given in 1933-34.

207. THE ELISABETHAN PERIOD
    Three hours
    A study is made of the Renaissance as it manifests itself in literature, particularly in drama.

FRENCH

208. THE SEVENTEENTH CENTURY
    Three hours
    The Cavalier and the religious poets, Milton and Bunyan, and the restoration authors.

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, and Matthew Arnold.

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 hindered topics.

306. ADVANCED RHETORIC
    Three hours
    Open only to those who receive special permission. Not offered in 1934-35.

309. DISSERTATION
    One or two hours
    Two hours of credit are given to students who make part in intercollegiate debating, and one hour to those who take part in the Friedman contest or serve as substitutes in the intercollegiate contests.

310. NINETEENTH CENTURY PROSE
    Three hours

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

332m. TEACHERS' COURSE
    One, two, or three hours
    Review of English Grammar, and a study of the methods of teaching English in secondary schools. Prerequisite: at least seven of the courses offered in this department.

FRENCH

191. ELEMENTARY FRENCH
    Three hours
    Grammar, pronunciation, composition, dictation, oral drill, and conversation are intended to impart a certain amount of essential and ability to understand simple spoken French.

192. CONVERSATION OF 191
    Three hours
    Text in both courses: Ommert and Sirich, Beginners' French Grammar. This is followed by the reading of easy prose.

193. 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: 191 and 192.
### German

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<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
<th>Prerequisite(s)</th>
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<tbody>
<tr>
<td>101.</td>
<td>Elementary German</td>
<td>Three hours</td>
<td>Vos' Essentials, 100, 110, 120, 130</td>
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<tr>
<td>102.</td>
<td>Continuation of 101</td>
<td>Three hours</td>
<td>Vos' Essentials</td>
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<td>201.</td>
<td>Intermediate German</td>
<td>Three hours</td>
<td>Vos' Essentials</td>
</tr>
<tr>
<td>202.</td>
<td>Intermediate German Continuation</td>
<td>Three hours</td>
<td>Vos' Essentials</td>
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### Greek

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<thead>
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
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<tbody>
<tr>
<td>302.</td>
<td>Realism</td>
<td>Three hours</td>
<td>Three hours</td>
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<td>303.</td>
<td>Early Nineteenth Century Drama</td>
<td>Three hours</td>
<td>Three hours</td>
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<tr>
<td>304.</td>
<td>Later Nineteenth Century Drama</td>
<td>Three hours</td>
<td>Three hours</td>
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<td>305.</td>
<td>The Classic Period</td>
<td>Three hours</td>
<td>Three hours</td>
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<tr>
<td>306.</td>
<td>The Classic Drama</td>
<td>Three hours</td>
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### Methods of Teaching Modern Foreign Languages
Intended for prospective teachers of Greek in secondary schools. Not offered during 1934-35.
CALVIN COLLEGE

316. NEW TESTAMENT GREEK Two hours
Study is made of some of the Pauline Epistles. Prerequisites: 101, 102, and 315.

315. GREEK CULTURE Three hours
An elective course. No knowledge of Greek is required. The main features of Greek culture are discussed. Not open to Freshmen.

311. GREEK THOUGHT AND THE NEW TESTAMENT Three hours
No knowledge of Greek is required. Open to Juniors and Seniors.

History

161. EUCLIPH PHILIPHIS Since 1815 Three hours
The political history of Europe since 1815, with emphasis on such topics as the revolutionary movement in France, the unification of Germany, the rise of Nationalism, Disunion and the American Civil War. Prerequisite: A high school course in General History.

162. EUCLIPH PHILIPHIS Since 1815 Three hours
A continuation of 161, which is prerequisite. Courses 191 and 192 are open to Juniors and Seniors. Given in 1894-95.

163. EASTERN EUROPE SINCE 1815 Three hours
Russia from 1815 to the near present. Lectures, readings, and reports. Prerequisites: 101 and 162. Open to Juniors and Seniors. Given in 1894-95.

164. ENGLISH HISTORY Since 1600 Three hours
The British Isles, American History, and Mexican History. Lectures, readings, and reports. Prerequisites: same as 160.

261. ENGLISH HISTORY Since 1600 Three hours
Continuation of 260, which is prerequisite.

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

304. AMERICAN FOREIGN RELATIONS Three hours
Diplomatic relations with South American countries, Europe, and development of the Monroe Doctrine. Courses 301 and 302 are open to Juniors and Seniors.

Latin

221. THE EARLY MIDDLE AGES (500-1000) Three hours
See page 38.

222. FIRST RENAISSANCE (1000-1600) Three hours
See page 38.

223. SECOND RENAISSANCE AND REFORMATION (1400-1568) Three hours
See page 38.

224. THIRD RENAISSANCE AND REVOLUTION (1568-1815) Three hours
See page 38.

350H. TEACHERS’ COURSE Three hours
Methods of teaching history in secondary schools. Prerequisite: twenty-one to twenty-two hours of history.

Latin Students who expect to teach Latin and are candidates for a State Teachers’ Certificate must have completed at least twenty-two hours of work in this department beyond the two units required for admission, and must include Courses 350, 351, and 352, and reduce the requirements by three semester hours for every unit taken in the high school beyond the two units provided they are equivalent to the courses given below.

101-102. ELEMENTARY LATIN Five hours first semester
This course covers one unit of Latin for entrance to college and is intended for those who have had no Latin in their high school courses. No credit is granted for 101-102 unless credit has been earned for 103-104.

103-104. SECOND-YEAR LATIN Five hours second semester
Equivalent to one unit of Latin for admission.

105. ROMAN ORATORY Three hours
Citation, debate, oratory, and Latin prose composition. This course is offered for those students who present two units of Latin for admission.

201. POETRY Three hours
Poetry from the various world of Ovid. Study of Latin poetry. Students will be given the privilege to select this course or to arrange an assigned subject.

202. POETRY (Continued) Three hours
Parts Books 1 to VI of Virgil’s Aeneid. Translation and interpretation, metrical readings and, studies in Roman mythology.

301. PHILOSOPHICAL TREATISES Three hours
Cicero’s De Senectute and De Amicitia. Papers by the students.

302. ROMAN HISTORIANS Two or three hours
Livy, Book XXI: the history and the life of Rome during the period of the Public Wars. Not offered in 1894-95.
305. **ROMAN COMEDY**  
Two or three hours

- Terence: *Adeloph and the Andrïa*

306. **HORACE**  
Two or three hours

- *Odes and Epodes*
- See note under 206.

308. **CHRISTIAN AND MEDIEVAL LATIN LITERATURE**  
Three hours

This is a combination of Courses 302 and 304 of former years. It comprises several Christian Latin hymns, parts of Augustine's *Confessions*, and selections from various writers of Latin prose and poetry from the fifth century to the Renaissance.

320. **ROMAN CULTURE**  
Two or three hours

This course is required of all students who expect to teach Latin, and is open to students who have had at least two units of high school Latin. In this course such subjects as these will be studied: travel and correspondences; Rome, the Imperial City; the family and the position of women; children and education; religion and philosophy, and so forth. Lectures, textbook, assigned readings, term papers. Illustrated with slides.

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. Parts of Cæsar and Cicero will be carefully studied and reviewed.

This course and 200A may be offered as a three hour Methods Course in the department of Education. Same as Education 248.

330A. **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. It is open to such only as have had at least twenty semester hours in addition to two units of high school Latin. In the 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. **ALGEBRA**  
Three hours

For those who have had only one year of Algebra in high school.

102. **SOLID GEOMETRY**  
Three hours

103. **COLLEGE ALGEBRA**  
Three hours

Prerequisite: 101.

104. **PLANE TRIGONOMETRY**  
Three hours

Prerequisite: 101 and 102.

201. **PLANE ANALYTIC GEOMETRY**  
Four hours

Prerequisite: 103 and 104.

202. **CONTINUATION OF 201**  
Four hours

- Plane Analytical Geometry completed and introduction to Solid Analytical Geometry.

301. **DIFFERENTIAL CALCULUS**  
Five hours

Prerequisite: 201 and 202.

302. **INTEGRAL CALCULUS**  
 Five hours

Completion of Integral Calculus and introduction to Differential Equations.

**Music**

101-102. **CHOIR**  
One hour

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.

Open to all who meet the requirements of voice and musicianship.

201. **MUSIC THEORY**  
Two hours

The elements of music. Drill in notation, time, and rhythmic values, scales, and signatures. The course aims to acquaint the student with elementary school music, both in content and organization.

202. **MUSIC METHODS**  
Two hours

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

203. **HARMONY**  
Two 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 simple hymn tunes and a study of their chords. Primary triads, dominant seventh.

204. **HARMONY (Continuation of 203)**  
Two hours

Secondary triads, dominant seventh, dominant ninth, and their inversions.

205. **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, collation of reading, term papers, and text-book work. Not offered during 1944-45.

206. **HISTORY OF MUSIC**  
Continuation of 205.

207-208. **SINGING**  
Three hours

Individual lessons for the development of the voice and the memorizing of a repertoire of sacred and secular art songs and arias from the great oratorios and operas. One twenty-five minute period a week.
209. Organ
Individual lessons in pipe organ, beginning with the fundamental principles of organ touch, pedal technique, hymn-tune playing and registration, and followed by preparation for concert playing and for church service. Professor Van Andel in charge.

210. Organ
Continuation of 209.

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 more intelligent listeners. 1954-55.

212. Continuation of 211.

Organic Science

101. Fundamentals of Zoology
The more significant principles of animal biology, such as classification, physiology, embryology, heredity, and evolution are studied. Three recitations and three hours of laboratory work a week. Laboratory fee, $1.50.

102. Human Physiology
Two hours
A study of some vital phenomena occurring in man. Course 101 is a desirable antecedent.

103. Personal Hygiene
Two hours
The care of the human body. This course must be preceded by 102.

105. Introduction to Bacteriology
Three hours
The history of bacteriology, and the cultural and morphological characteristics of bacteria, yeasts, and molds are considered. Special emphasis is placed on communicable diseases, their causal agents, and the hygienic applications of bacteriology. Discussions, quizzes, and demonstrations. This course yields credit only to students of the pre-Nursing course.

106. Human Anatomy and Physiology
Four hours
A course primarily for pre-Medical students, open to others only by permission. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00. Prerequisite: 101.

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 recitations and three hours of laboratory work a week. Laboratory fee, $3.00. Prerequisite: 101.

202. Introduction to Botany
Four hours
Anatomy, physiology, and classification of seed plants. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00.

Philosophy

203-204. Plant Morphology
Four hours
The classification of plants based upon a comparative study of their flowers. Frequent trips will be made to greenhouses, parks, and fields. Two hours each semester. Prerequisite: 302.

302. Vertebrate Zoology
Four hours
Comparative anatomy and natural history of vertebrates. Evolution problems are emphasized. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00. Prerequisites: 106 and 201. Courses 305 and 309 are desirable antecedents.

303-304. Laboratory Methods
One or two hours
Collection, preparation, and preservation of laboratory materials. Maintenance of laboratory cultures. Microscopic techniques: killing, fixing, dehydrating, embedding, sectioning, staining, and mounting of microscopic preparations for botany, zoology, and physiology. Laboratory fee, $3.00. Three hours of laboratory work a week during the first semester.

305. Biological Problems
Three hours
History of biology, the nature of the individual, variation of organisms, evidences for evolution, and organic teleology. Lectures, assigned readings, recitations, and reports. Prerequisite: 101.

307-308. Special Biology
Three hours
A more intensive study of biological problems selected to meet the needs of advanced students. This course will be offered only when there are no students for 303.

309. Introduction to Embryology
Three hours
An elementary study of the development of vertebrate animals. Two recitations and three hours of laboratory work a week. Laboratory fee, $3.00. Not to be elected at the same time with 201.

330a. Teaching of Biology
One hour
The point of view, contents, and methods of teaching secondary school botany, zoology, and human physiology and hygiene. Prerequisites: all preceding courses in Organic Science.

Philosophy Courses 201 and 202 are not considered as Philosophy in the hours prescribed for the General College Course.

201. Psychology
Three hours
A general course in psychology with special attention to the philosophical implications. Exercises. Open to Freshmen by permission. This course is given also during the second semester.

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
An attempt to make the student aware that he is constantly and irrecusably answering questions of fundamental import, to give him some notion of what these questions are philosophically, and to acquaint him with the method of solution. Lectures, discussions, and papers.
PUBLIC SPEAKING

Public Speaking

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

Debating. Two hours of credit is given to students who take part in intercollegiate debating and one hour for those who take part in the finals; that is, in the Brodman contest and as substitute in the intercollegiate contest.

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

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

104. Speech-Making
   Continuation of 103, together with a study of speech form and speech qualities.
   Two hours

201. Interpretative Reading
   The principles of interpretation and expression. Oral interpretation of representative selections before the class.
   One hour

202. Interpretative Reading
   Continuation of 201.
   One hour

203. Great Orators
   One hour

204. Great Orators
   One hour

301. Advanced Speech Composition
   A study of the psychological techniques involved in effective speech composition. Speeches and orations. Intended for seniors of the pre-Seminary course.
   Two hours

303. Intercollegiate Extempore Speaking
   One hour

305. Intercollegiate Peace Oratory
   One hour

307. Intercollegiate Oratory (M. I. S. L.)
   One hour

Sociology

See Economics and Sociology.
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**JUNIORS**

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**REGISTER OF STUDENTS**

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SOPHOMORES

Name | Address
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Andrew, Thelma Rose | Grand Rapids
Andrew, Frederick Gerard | Grand Rapids
Becker, Robert Arthur | Grand Rapids
Berghuis, Melvin Earl | South City, Minnesota
Blauw, Martha | Holland
Blockman, Ralph | Grand Rapids
Bokma, Walter | Allendale, New Jersey
Bolt, Clarence | Fremont
Bolt, Henry | Grand Rapids
Bonnen, George | Des Moines, Iowa
Bolling, Lee Suzanne | Grand Rapids
Brow, Everett | Grand Rapids
Brown, Lloyd Earl | Grand Rapids
Buist, Samuel John | Grand Rapids
Bueler, Donald | Grand Rapids
De Graaf, Esther | Grand Rapids
De Groot, Anthony Thomas | Racine, Wisconsin
De Haan, Gerald Albert | Grand Rapids
De Haan, Howard Benton | Ripon, California
De Jong, Peter | Grand Rapids
De Jong, Peter James | Grand Rapids
De Leuf, Henrietta | Grand Rapids
De Rose, Frank John | New Jersey
De Vries, Arthur Clarence | Dorr
De Vries, Marion | Grand Rapids
De Vries, William | Grand Rapids
Dikken, Thedford | Hollanda
Donovan, Victoria Elizabeth | Grand Rapids
Dunn, Donald | Grand Rapids
Dykman, Harold Albert | Grand Rapids
Eakle, Genevieve | Grand Rapids
Eggleston, Pearl | Grand Rapids
Hager, Dorothy Camilla | Grand Rapids
Hagler, Anjean Gertrude | Chicago, Illinois
Hulckema, Anthony Andrew | Grand Rapids
Hulckema, Jeanne Dorothy | Grand Rapids
Hulckema, Louise Bertrude | Grand Rapids
Hulckema, Margaret Ellen | Chicago, Illinois
Hoving, Howard | Grand Rapids
Huisenga, John Wilbur | Grand Rapids
Immeso, Ruth Viola | Grand Rapids
Jabara, Ids | Grand Rapids
Jelsma, Jay Alfred | Grand Rapids
Johnsen, Robert Avery | Grand Rapids
Klinckert, Charles Milton | Grand Rapids
Klimek, Gerrit John | Lucas
Koert, Florence Louise | Grand Rapids
Korff, Cora | Grand Rapids
Kroening, Agnes Jessie | Grand Rapids
Kuyper, Arnie | Grand Rapids
Lamberts, Austin Elwin | Fremont
Levi, Kathy | Chicago, Illinois
Meyer, Ruth Harriet | Grand Rapids
Moess, Jean | Grand Rapids
Maiden, Jeanne Anita | Grand Rapids
Maiden, Marjorie Ethel | Cleveland, Ohio
Niemeyer, Anna Berdina | Grand Rapids
Northouse, Hazel | Grand Rapids
Petersen, Raymond | Grand Rapids
Post, Lois Ruth | Grand Rapids
Pound, Fred | Grand Rapids
Prusse, Maurice Leslie | Grand Rapids
Ryen, Nellie Adrianna | Grand Rapids
Rynbrandt, Aletha Elizabeth | Grand Rapids
Schaff, Gerarda | Grand Rapids
Schleich, Paul | Sioux City, Iowa
Shuler, Stanley | Grand Rapids
Steinwelder, Mildred Maxine | Grand Rapids
Van Alten, Alice | Grand Rapids
Van Dam, Margaret Evelyn | Grand Rapids
Van Den Elzen, Elizabeth | Grand Rapids
Vanden Berg, Nellie Ada | Grand Rapids
Vander Veen, Jay | Grand Rapids
Van Eerden, Thomas | Grand Rapids
Van Ess, Louis | Grand Rapids
Van Loo, Carl George | Grand Rapids
Van Roosmalen, Laura Elaine | Grand Rapids
Van Vreden, Gerold Jacob | Grand Rapids
Vandermolen, Mary Katherine | Grand Rapids
Williamson, Jack | Grand Rapids
Wynkoop, David Leonard | Clifton, New Jersey

FRESHMEN

Name | Address
--- | ---
Anema, Gerald | Grand Rapids
Baker, Marjorie | Grand Rapids
Beekman, Harriet | Grand Haven
Bierman, Clarice | Grand Rapids
Bischoff, George Cromwell | Grand Rapids
Blockman, Douglas Dewey | Grand Rapids
Boerlyn, Gerrit Bastian | Grand Rapids
Bolt, Oris | Grand Rapids
Borgman, Jane Adrianna | Grand Rapids
Brown, James | Grand Rapids
Buscher, Arthur Lucas | Grand Rapids
Butting, John Abraham | Grand Rapids
Brandt, Frederic | Grand Rapids
Brink, Edward Stevens | Grand Rapids
Brockman, Richard George | Grand Rapids
Bryant, Wilma | Grand Rapids
Byant, Bartel | Grand Rapids
Christians, James | Grand Rapids
De Boer, Clarence | Grand Rapids
De Boer, Charles John | Grand Rapids
De Haan, Ruth Myrtle | Grand Rapids
De Hoog, Henry | Grand Rapids
Dekker, Annette Hilda | Grand Rapids
Dekker, E. Sylvia | Grand Rapids
Dekker, Marion Joan | Grand Rapids
De Koster, Lester | Grand Rapids
De Vos, Adrian Francis | Grand Rapids
De Vries, Kathryn Frances | Grand Rapids
Dick, Budolph Peter | Grand Rapids
Dunbar, Marjorie Lois | Grand Rapids
Eaton, James | Grand Rapids
Eckerman, Nellie | Grand Rapids
Ederwood, Wilma Louise | Grand Rapids
Ehlerding, Dean | Grand Rapids
Eisinga, Tom | Grand Rapids
Engel, Hai Kiang | Grand Rapids
Frielings, Arthur Thomas | Paterson, New Jersey

REGISTER OF STUDENTS

Name | Address
--- | ---
Peterson, Edward | Grand Rapids
Prisco, Maurice Leslie | Grand Rapids
Ruemmler, Nellie Adrianna | Grand Rapids
Rynbrandt, Aletha Elizabeth | Grand Rapids
Schepp, Gerarda | Grand Rapids
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Bierman, Clarice | Grand Rapids
Bischoff, George Cromwell | Grand Rapids
Blockman, Douglas Dewey | Grand Rapids
Boerlyn, Gerrit Bastian | Grand Rapids
Bolt, Oris | Grand Rapids
Borgman, Jane Adrianna | Grand Rapids
Brown, James | Grand Rapids
Buscher, Arthur Lucas | Grand Rapids
Butting, John Abraham | Grand Rapids
Brandt, Frederic | Grand Rapids
Brink, Edward Stevens | Grand Rapids
Brockman, Richard George | Grand Rapids
Bryant, Wilma | Grand Rapids
Byant, Bartel | Grand Rapids
Christians, James | Grand Rapids
De Boer, Clarence | Grand Rapids
De Boer, Charles John | Grand Rapids
De Haan, Ruth Myrtle | Grand Rapids
De Hoog, Henry | Grand Rapids
Dekker, Annette Hilda | Grand Rapids
Dekker, E. Sylvia | Grand Rapids
Dekker, Marion Joan | Grand Rapids
De Koster, Lester | Grand Rapids
De Vos, Adrian Francis | Grand Rapids
De Vries, Kathryn Frances | Grand Rapids
Dick, Budolph Peter | Grand Rapids
Dunbar, Marjorie Lois | Grand Rapids
Eaton, James | Grand Rapids
Eckerman, Nellie | Grand Rapids
Ederwood, Wilma Louise | Grand Rapids
Ehlerding, Dean | Grand Rapids
Eisinga, Tom | Grand Rapids
Engel, Hai Kiang | Grand Rapids
Frielings, Arthur Thomas | Paterson, New Jersey

Anena, Gerald | Grand Rapids
Baker, Marjorie | Grand Rapids
Beekman, Harriet | Grand Haven
Bierman, Clarice | Grand Rapids
Bischoff, George Cromwell | Grand Rapids
Blockman, Douglas Dewey | Grand Rapids
Boerlyn, Gerrit Bastian | Grand Rapids
Bolt, Oris | Grand Rapids
Borgman, Jane Adrianna | Grand Rapids
Brown, James | Grand Rapids
Buscher, Arthur Lucas | Grand Rapids
Butting, John Abraham | Grand Rapids
Brandt, Frederic | Grand Rapids
Brink, Edward Stevens | Grand Rapids
Brockman, Richard George | Grand Rapids
Bryant, Wilma | Grand Rapids
Byant, Bartel | Grand Rapids
Christians, James | Grand Rapids
De Boer, Clarence | Grand Rapids
De Boer, Charles John | Grand Rapids
De Haan, Ruth Myrtle | Grand Rapids
De Hoog, Henry | Grand Rapids
Dekker, Annette Hilda | Grand Rapids
Dekker, E. Sylvia | Grand Rapids
Dekker, Marion Joan | Grand Rapids
De Koster, Lester | Grand Rapids
De Vos, Adrian Francis | Grand Rapids
De Vries, Kathryn Frances | Grand Rapids
Dick, Budolph Peter | Grand Rapids
Dunbar, Marjorie Lois | Grand Rapids
Eaton, James | Grand Rapids
Eckerman, Nellie | Grand Rapids
Ederwood, Wilma Louise | Grand Rapids
Ehlerding, Dean | Grand Rapids
Eisinga, Tom | Grand Rapids
Engel, Hai Kiang | Grand Rapids
Frielings, Arthur Thomas | Paterson, New Jersey
58  CALVIN COLLEGE

NAME
Goethof, Stewart
Geen, Horace Martin
Goote, Marius
Hall, Douglas
Harmsen, James
Hartger, Harold Vo
Hekman, Fred
Hekman, Gabriel
Hekman, Grace Lea
Hirschberg, Cottor
Houck, Jeanette
Hofmann, Elizabeth Helen
Holthuizen, Henry John
Hoogerland, Andrew William
Huizer, Alice
Huizingh, Herman
Jelma, Carolyn Antoinette
Johnson, Richard Spencer
Klop, Marion Grace
Kok, William
Kuiper, Klaire Van Zanten
Lubbers, Edward
Mahol, James George
Marlin, Richard
Meeter, Marjorie
Michenhusken, Robert
Muller, Theresa Elese
Nieswahn, William
Oppenhuizen, Agnes
Oppenhuizen, Elmer
Pieneke, Francisco Ruth
Postema, George
Rempels, Gerrit
Rooijen, Richard
Roosen, Robert
Schiebout, Joe
Sevensma, Ruth
Stiensverda, Richard Edward
Shofer, Alice
Spalding, Anna Loretta
Schermer, Beatrice Ruth
Schermer, Miriam Elizabeth
Streelman, Gerard
Thomasma, Ruth
Van Beck, Sylvia Christine
Van Dellen, Lubbert
Vann Berg, Augie
Vandenberg, Ruth
Vandenberg, Howard
Vandenberg, Howard Harry
Vander Ark, Harry
Vander Jagt, Fred
Vander Jagt, Judith
Van Duren, Howard Marvin
Van Hoorn, Felix
Vander Ark, Harry
Vander Ark, Harry
Vander Jagt, Fred
Vander Jagt, Judith
Van Duren, Howard Marvin
Van Hoorn, Felix
Van Hoorn, Felix
Veenstra, Agnes Marie
Veenstra, Norman Richard
Veit, Ernie
Voorhees, Emma
Voss, John
Walters, Matthew John

ADDRESS
Byron Center
Wyoming Park
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Zeeland
Grand Rapids
Grand Rapids
Cicero, Illinois
Grand Rapids
Grand Rapids
Grand Rapids
Zeeland
Grand Rapids
Springfield, Massachusetts
Jamestown
Lansing, Illinois
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Hull, Iowa
Grand Haven
Sauk Center, Iowa
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Chicago, Illinois
Chicago, Illinois
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Midland Park, New Jersey
Lansing, Illinois
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids

REGISTRANT OF STUDENTS

NAME
Westemaas, Frederick John
Wetsel, Lois Winifred
Yared, Albert Sallame
Zuiderven, Lawrence George
Arnold, Warren Maxfield
Braat, John Harold
De Boer, Jesse
De Jonge, Marcellus
De Jonge, Henrietta
De Note, Alfreda
Komer, Frederick
Rooke, Melvin Leonard
Reynolds, James Arthur
Vanden, Andrew
Wierenga, Florence Estelle
Winnet, Johnson Russell

ADDRESS
Marion
Grand Rapids
Grand Rapids
Denver, Colorado
Hudsonville
Holland
Zeeland
Zeeland
Grand Rapids
Grand Rapids
Grand Rapids
Grand Rapids
Zeeland
Grand Rapids
Grand Rapids
Zeeland
Grand Rapids
Grand Rapids
Grand Rapids

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