CALVIN COLLEGE

An Institution of the
Christian Reformed
Church

YEARBOOK

1931-1932

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

1932
January 5, 7:00 A. M. .................. Christmas Vacation ends.
January 18-22 ............................ Final Examinations.
January 22 ................................ First Semester closes.
January 22-23 ............................. Second Semester begins.
February 22 ................................ Washington's Birthday.
March 9 ..................................... Day of Prayer.
March 18, 6:00 P. M. .................. Spring Vacation begins.
March 29, 7:00 A. M. .................. Spring Vacation ends.
March 30-31 ............................... Re-examinations.
May 19-28 ................................. Final examinations.
May 31 ..................................... Commencement.

Summer Vacation
September 7, 9:00 A. M. ............... Entrance examinations.
September 7, 9:00 A. M. ............... Enrollment of New Students.
September 7-8, 9:00 A. M. ............ Registration for First Semester.
September 8-10 .......................... Re-examinations.
November 23-25 .......................... Thanksgiving Recess.
December 16, 6:00 P. M. .............. Christmas Vacation begins.

1933
January 3, 7:00 A. M. .................. Christmas Vacation ends.
January 16-20 ............................ Final Examinations.
January 20 ................................ First Semester closes.
January 20-21 ............................. Second Semester begins.
January 24 ................................ Registration for second Semester.
February 22 ................................ Washington's Birthday.
March 8 ..................................... Day of Prayer.
March 24, 6:00 P. M. .................. Spring Vacation begins.
April 4, 7:00 A. M. .................... Spring Vacation ends.
April 5-6 ................................. Re-examinations.
May 25-June 3 ............................ Examinations.
June 6 ..................................... Commencement.

Summer Vacation
September 6, 9:00 A. M. ............... Entrance Examinations.
September 6, 9:00 A. M. ............... Enrollment of New Students.
September 6-7, 9:00 A. M. ............ Registration for First Semester.
September 7-9 ............................ Re-examinations.
November 23-30 .......................... Thanksgiving Recess.
December 22, 6:00 P. M. .............. Christmas Vacation begins.
BOARD OF TRUSTEES

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The Rev. John Doig .................................................. Vice-President
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The Rev. John De Jong ........................................ Ripon, Calif. 1932
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The Rev. Yvonne P. De Jong, Th.D.
The Rev. Ebo J. Krohne

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Mr. Henry Holthuizer

The Rev. John Vander Mey, Educational Secretary

847 Sibley St., S.E.
Mr. Tony Noordeweer, Treasurer  355 Kalamazoo Ave., S.E.
Mr. Henry Voss, Assistant Treasurer  1117 Neland Ave., S.E.
Miss Josie Baker, A.B., Librarian  1984-18th St., N.W.
Miss Helen Veen, Clerk  1351 Sherman St., S.E.
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ATHLETICS, BOARDING PLACES, AND DORMITORY—Ryskamp, Dekker, and Meeter.

DISCIPLINE—Jellemma, Dekker, and Van den Bosch.

EDUCATIONAL POLICY AND NORMAL TRAINING—Van Haisma, Rooks, Ryskamp, and J. Broene.

RELIGIOUS AND SOCIAL ACTIVITIES—Meeter, Stob, Swets, and Miss Timmer.

LIBRARY—Stob, Nieuwdorp, and A. E. Broene.

PUBLICATION—Van den Bosch, Miss Timmer, and Floekstra.

APPOINTMENTS—Van Zyl, Rooks, and Jellemma

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William Comeliusse
Director of Athletics
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Telephone 3-2704

* Absent on leave.
STUDENT ORGANIZATIONS

The Wangerin Organ in the Calvin College Chapel, is the gift of the Wm. B. Eerdmans family in memory of their little daughter Eleanor Mac. It is a three-manual instrument, provided with harp and chimes, and known for its beautiful voicing, its sonorous organ tone, its artistic front, and its up-to-date mechanics. It is of the greatest value for the school in creating atmosphere for the religious exercises and for other school activities.

The College is generously supported chiefly by the members of the Christian Reformed Church. From year to year, with the growth of the church, the contributions have become larger and have met the demands of the institution. The college also derives an appreciable amount of support from an endowment fund of several thousand dollars.

The College is greatly in need of a larger endowment, and bequests are, therefore, very welcome. Should there be any among the friends of this school whom God has richly blessed with means, may they remember that no money is so well invested as that which is invested in an institution that gives young people a Christian education, in souls and lives rather than in natural things. The church, the state, and society depend upon Christian colleges and seminaries for leaders and workers; hence, money expended for the support of such institutions is money spent for the advancement of the Kingdom of God upon earth.

Legal Form of Bequest

"I hereby give, devise, and bequeath unto Calvin College and Seminary, a corporation organized and existing under the laws of the State of Michigan, the sum of ___________________ Dollars, to be paid out of any real or personal estate owned by me at my decease."

Student Organizations

All student organizations are subject to faculty supervision.

Alumni Association.—An organization seeking to promote the interests of the school. All who have been at Calvin one year or more are eligible. A quarterly known as the Alumni Letter is published by the Association. Offices of the Association at Calvin College.
ATHLETIC ASSOCIATION.—This association interests itself in various forms of athletic activity.

"C" CLUB.—A club organized for the purpose of maintaining and fostering loyalty to the principles of Calvin, especially as these apply to athletics. Membership is limited to those who have earned major "C's." 

CALVIN COLLEGE QUESTORS (K. K. Q.)—The purpose of the organization is to develop the culture of the literary, musical, and artistic abilities of its members; to foster a spirit of fellowship among its members; to promote the best interests of and a greater spirit of sociability among all Calvin women.

CHEMISTRY CLUB.—A club organized for the purpose of promoting the students' interests in the science, history, and practical application of chemistry.

CHORAL CLUB.—This club furnishes students instruction and practice in the art of singing. It has become known for its rendition of The Messiah and Elijah.

LESCHIE CLUB.—The club aims at a better understanding and a more thorough knowledge of the Holland language.

FORENSIC ASSOCIATION.—All students are eligible to membership in the Calvin Forensic Association. This organization is governed by an executive group known as the Calvin Forensic Staff, the personnel of which is elected annually by the Association. The Staff has as its purpose the encouragement of collegiate and intercollegiate debating and oratory, and the promotion of an intelligent and progressive school spirit.

GIRLS' "C" CLUB.—An organization of girls interested in some forms of athletics.

GIRLS' CHRISTIAN FELLOWSHIP CLUB.—This club is a spiritual campus movement of women students with the following aim and purpose: To promote the growth of students in Christian character and to deepen their devotion to their Christian calling through the study of the Bible and prayer.

GIRLS' GLEE CLUB.—Purpose is to develop a musical appreciation among the members and provide entertainment upon occasion.

GIRLS' KNECKE CLUB.—An organization of girls interested in hikes and other forms of outdoor activities.

STUDENT ORGANIZATIONS

GIRLS' GLEE CLUB.—Purpose is to develop a musical appreciation among the members and provide entertainment upon occasion.

GIRLS' LEAGUE.—The membership includes all Calvin College girls. Its purpose is to initiate and supervise such social functions as are sponsored by the girls as a body.

INTERNATIONAL RELATIONS CLUB.—This club aims at a discussion of international problems.

KNICKERBOCKER CLUB.—An organization for the purpose of fostering interest in the historical, cultural, and religious aspects of Dutch life.

MEN'S GLEE CLUB.—The members of this organization annually give concerts in various sections of the country.

MISSION SOCIETY.—The purpose is to stimulate missionary interests and to provide opportunity for practical mission work.

PHI DELTA.—The club exists for the purpose of studying biological subjects and problems.

Pi DELTA.—This has for its aim the development of its members in expression as an aid to the intellectual, spiritual, and social qualities necessary for ministerial work.

THE PHEBIANS.—The purpose of this society is to awaken an interest in, and an appreciation for, good literature; to contribute to the development of the literary talents of the individual members of the society; to increase the general literary knowledge of the members of the society.

PLATO CLUB.—A club for studying Plato and Aristotle.

PRE-SEMINARY CLUB.—The object of this club is to foster fellowship among pre-seminary students and to acquaint them with the practical side of the ministerial profession. All pre-seminary students are cordially invited to join. The club meets at least five times during the school year.

PROM.—An organization of the Junior Class for publishing the Calvin College Prism.

STUDENT COUNCIL.—The Student Council is organized to advance the general good of the student body and to facilitate it in its various relationships.
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:

Algebra 1 unit
English 3 units
Foreign Languages, any one: 2 units
Dutch, French, German,
Greek, or Latin: 3 units

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

Algebra 1 unit
English 3 units
Geometry 1 unit
German 2 units

For admission to the course in Education, nine units prescribed:

Algebra 1 unit
English 3 units
Foreign Languages, any one:
Dutch, French, German,
Greek, or Latin: 3 units

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:

Algebra 1½ units
Chemistry 1 unit
English 3 units
Geometry 1 unit
(Diploma for admission to the Pre-Medical course are also strongly urged to present Botany, French or German, and
Zoology.

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

Algebra 1 unit
Englih 3 units
Foreign Languages, any one:
Dutch, French, German,
Greek, or Latin: 3 units

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:

Algebra 1½ units
Foreign Languages, any one:
Dutch, French, German,
Greek, or Latin: 2 units

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

For admission to the Normal course the same units are prescribed as are required for admission to the course in Education.

4. Distribution of work. After in each instance deducting the number of units prescribed, the remainder of the fifteen units must 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>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1 to 2</td>
</tr>
<tr>
<td>Bible</td>
<td>1 unit</td>
</tr>
<tr>
<td>Botany</td>
<td>1/2 to 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>Civics and Economics</td>
<td>1/2 to 1</td>
</tr>
<tr>
<td>Dutch</td>
<td>2 to 4</td>
</tr>
<tr>
<td>English</td>
<td>3 to 4</td>
</tr>
<tr>
<td>French</td>
<td>3 to 4</td>
</tr>
<tr>
<td>Geography and Geology</td>
<td>1/2 to 1</td>
</tr>
<tr>
<td>Geometry</td>
<td>1 to 1 1/2 units</td>
</tr>
<tr>
<td>German</td>
<td>2 to 4</td>
</tr>
<tr>
<td>Greek</td>
<td>1 to 3</td>
</tr>
<tr>
<td>History</td>
<td>1 to 3</td>
</tr>
<tr>
<td>Italian, French, Spanish</td>
<td>1 to 4</td>
</tr>
<tr>
<td>Latvian</td>
<td>2 to 4</td>
</tr>
<tr>
<td>Physiology</td>
<td>1 unit</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>1/2 unit</td>
</tr>
<tr>
<td>Zoology</td>
<td>1/2 to 1</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 passing 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 fails by not more than one unit to satisfy the requirements either as to prescribed work or as to distribution of work, may be admitted provisionally. Such deficiency must, however, be 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 seventeen 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.

**UNCLASSIFIED STUDENTS**

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 ten hours.

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

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

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

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

**Unclassified Students**

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

Tuition and Other Fees

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. To this rule there is one exception; as follows:

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

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

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

Regular Tuition Fee. For students in all courses except the Pre-Seminary course, 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.

Tuition and Other Fees

For students in the Pre-Seminary course, the regular tuition fee is thirty-seven and one-half 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 twenty-five dollars a semester.

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

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

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

Pre-Seminary students who change their course, or upon completion of their course do not enter the Seminary, must pay the treasurer of the school the difference between the fee required for pre-seminary students and that required of others before they can receive their diplomas.

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 instru-
CALVIN COLLEGE

ments, and the like. Amount of such laboratory fee is indicated in the catalogue in the description of the specific courses.

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

Diploma Fee. A diploma fee of five dollars is charged for admission to the final examinations before graduation in any course completion of which entitles the student to a diploma.

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

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

If a student withdraws voluntarily, and in good standing, within two weeks after the first day of enrolment, tuition and all fees except $5 to cover registration, will be refunded; if before the end of eight weeks, one-half of the total fees (tuition and miscellaneous fees) will be returned; 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 $250.00 up.

Board and Room with Private Families

Board in private families will cost from six to nine dollars a week.

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

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

BOARD AND ROOM AT CALVIN DORMITORY

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.

REEDS 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, 1932.

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

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

BROODMAN DEBATING TROPHY.—All students are eligible for intramural debating in competition for the silver cup awarded by Dr. G. J. Broodman. The names of the three winners are inscribed on this cup. Calvin as a member of the Michigan Debating 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 debate.

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

HOFPUSS 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 WILLIAM J. YONKER PRIZE.—Dr. William J. Yonker of Chicago, for the year 1932-33 offers a prize of $15.00 for the best essay and a prize of $10.00 for the second best essay on a subject bearing on the Evangelization of the Jews. The contest is open to students of both College and Seminary.
The Bests Calvinism Prize.—Dr. and Mrs. Henry Bests have presented the College with $300.00, the income of which is to constitute a prize for the best essay or term paper on Calvinism, in any of its bearings, written each year by Calvin College students, and to be awarded at the discretion of the Professor holding the chair of Calvinism, in consultation with the President of Calvin College, provided that if during any given year the professor named above does not consider the essays or papers submitted of sufficient merit to deserve the prize, the interest of such a year, or years, be added to the principal.

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 subject for 1931–32 is "Current Psychology and Our Christian Conception of the Soul." 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 both of vacancies in the teaching forces in our Christian Schools throughout the country and of graduates who desire to teach. All correspondence for the Bureau should be addressed to: Placement Bureau, Calvin College. 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>EQUIVALENT 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

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.

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 28), 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

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

The College graduates or certifies students from the following courses: General College, Pre-Seminary, Education, Pre-Medical, Pre-Law, Pre-Engineering, and Normal.

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 108, 104</td>
<td>6</td>
</tr>
<tr>
<td>French or German History</td>
<td>14</td>
</tr>
<tr>
<td>Philosophy (not including Psychology or Logic)</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science Latin 10 hours or Greek 14 hours</td>
<td>10</td>
</tr>
</tbody>
</table>

REQUIREMENTS FOR GRADUATION 31

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 every student is required to take in the College at least six hours of either French or German.

If, choosing between Latin and Greek, the student elects Latin and has had Latin in high school, the number of hours prescribed in the College may be reduced by five hours for every unit of high school work. If he elects Greek and has had Greek 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.

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, 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.*

* Should a student choose Group II as his minor, 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.
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.

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 130 hours. Twenty hours of Education (including Education 324, 325, 330w) 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 201, 202, 203, 204</td>
<td>8 hours</td>
</tr>
<tr>
<td>English</td>
<td>28 hours</td>
</tr>
<tr>
<td>German</td>
<td>20 hours</td>
</tr>
<tr>
<td>Greek</td>
<td>20 hours</td>
</tr>
<tr>
<td>New Testament Greek</td>
<td>4 hours</td>
</tr>
<tr>
<td>History</td>
<td>6 hours</td>
</tr>
<tr>
<td>Organic Science</td>
<td>6 hours</td>
</tr>
<tr>
<td>Philosophy (including Psychology and Legal)</td>
<td>12 hours</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>4 hours</td>
</tr>
<tr>
<td>Sociology</td>
<td>6 hours</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

**Requirements for Graduation**

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.

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, 103, 104, 105</td>
<td>10 hours</td>
</tr>
<tr>
<td>Education (which must include 324, 325, and 330w)</td>
<td>24 hours</td>
</tr>
<tr>
<td>English (which must include 103, 104)</td>
<td>12 hours</td>
</tr>
<tr>
<td>French or German</td>
<td>14 hours</td>
</tr>
<tr>
<td>Greek 101, 102, 103, 104, 105, 106 hours or Latin 101-104, 169-170, 110 hours or Natural Science</td>
<td>12 hours</td>
</tr>
<tr>
<td>History</td>
<td>12 hours</td>
</tr>
<tr>
<td>Mathematics or Philosophy 205, 206</td>
<td>6 hours</td>
</tr>
<tr>
<td>Sociology</td>
<td>6 hours</td>
</tr>
</tbody>
</table>

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 six hours for a unit of second-year work. But every student is required to take in the College at least six hours of either French or German.

4. **DISTRIBUTION OF ELECTIVES.** The student must so distribute his electives that at the end of his course he will also have a total of twenty-four hours in some department other than Education.

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

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>Bible 102</td>
</tr>
<tr>
<td>Chemistry 103</td>
<td>Chemistry 104</td>
</tr>
<tr>
<td>English 103</td>
<td>English 104</td>
</tr>
<tr>
<td>Organic Science 101</td>
<td>Mathematics 104</td>
</tr>
<tr>
<td>Psychology</td>
<td>Organic Science 106</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>Bible 202</td>
</tr>
<tr>
<td>Chemistry 201</td>
<td>Chemistry 202</td>
</tr>
<tr>
<td>French or German 101.4</td>
<td>French or German 102.4</td>
</tr>
<tr>
<td>Organic Science 201</td>
<td>Organic Science 202</td>
</tr>
<tr>
<td>Physics 201</td>
<td>Physics 202</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 301</td>
<td>Bible 302</td>
</tr>
<tr>
<td>Chemistry 301</td>
<td>Chemistry 302</td>
</tr>
<tr>
<td>Economics-Sociology or English or History or Philosophy 3 hours</td>
<td>French or German 201.3 hours</td>
</tr>
<tr>
<td>French or German 201.3 hours</td>
<td>Organic Science 202</td>
</tr>
<tr>
<td>Trigonometry presupposes one and one-half units of Algebra.</td>
<td></td>
</tr>
</tbody>
</table>

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.

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.

**REQUIREMENTS FOR GRADUATION**

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.

**Pre-Dental**

A course meeting all requirements for admission to Class A schools of Dental Surgery will be arranged for students interested in the dental profession.

**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 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>Bible 102</td>
</tr>
<tr>
<td>English 103</td>
<td>English 104</td>
</tr>
<tr>
<td>Organic Science 101</td>
<td>Mathematics 104</td>
</tr>
<tr>
<td>Psychology</td>
<td>Organic Science 106</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>Bible 202</td>
</tr>
<tr>
<td>English 201</td>
<td>English 202</td>
</tr>
<tr>
<td>French or German 201.4</td>
<td>French or German 202.4</td>
</tr>
<tr>
<td>Organic Science 201</td>
<td>Organic Science 202</td>
</tr>
<tr>
<td>Physics 201</td>
<td>Physics 202</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 301</td>
<td>Bible 302</td>
</tr>
<tr>
<td>English 301</td>
<td>English 302</td>
</tr>
<tr>
<td>History 201</td>
<td>History 202</td>
</tr>
<tr>
<td>Latin 3 hours, or French or German 201.3 hours</td>
<td>French or German 202.3 hours</td>
</tr>
<tr>
<td>Political Science</td>
<td>Political Science</td>
</tr>
<tr>
<td>Sociology 201</td>
<td>Sociology 202</td>
</tr>
</tbody>
</table>

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.
CALVIN COLLEGE

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.

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

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

6. Degree. On satisfactorily completing this course with a record of not less than 125 honor points received in the required 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. If the seventy hours required, the following are prescribed:

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101</td>
<td>2 hours</td>
<td>Bible 102</td>
</tr>
<tr>
<td>Chemistry 101 or 103</td>
<td>4 hours</td>
<td>Chemistry 102 or 104</td>
</tr>
<tr>
<td>English 103</td>
<td>3 hours</td>
<td>English 104</td>
</tr>
<tr>
<td>Mathematics 102</td>
<td>2 hours</td>
<td>Mathematics 202</td>
</tr>
<tr>
<td>Mathematics 201</td>
<td>3 hours</td>
<td>Drawing</td>
</tr>
<tr>
<td>Drawing (Mechanical Drawing)</td>
<td>3 hours</td>
<td>Public Speaking or Elective</td>
</tr>
</tbody>
</table>

REQUIREMENTS FOR GRADUATION

Sophomore Year

<table>
<thead>
<tr>
<th>Bible 201</th>
<th>5 hours</th>
<th>Bible 202</th>
<th>2 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics 201</td>
<td>5 hours</td>
<td>Mathematics 202 (Differential Calculus, 3 hours; Integral Calculus, 2 hours)</td>
<td>5 hours</td>
</tr>
<tr>
<td>Physics 201</td>
<td>5 hours</td>
<td>Physics 202</td>
<td>6 hours</td>
</tr>
<tr>
<td>Drawing (Mechanical and Sketching)</td>
<td>2 hours</td>
<td>Statics</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

4. Distribution of Electives. The student may select his electives from the following list: Botany, Economics, English, Foreign Language, History, Music, Philosophy, Public Speaking, Sociology, Zoology.

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

Pre-Business Administration

A course meeting the requirements for admission to Class A midwestern schools of Business Administration, will be arranged for students interested in Business Administration and Commerce.

Normal Course

Ninety hours of credit toward the degree of bachelor of arts in education will be allowed for the diploma from the Normal Course.

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.

3. Prescribed Work. Of the ninety-four hours required, the following are prescribed:

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 287</td>
<td>2 hours</td>
<td>Bible 102</td>
</tr>
<tr>
<td>Bible 101</td>
<td>4 hours</td>
<td>Education 102</td>
</tr>
<tr>
<td>Economics 101</td>
<td>3 hours</td>
<td>Economics 102</td>
</tr>
<tr>
<td>Education 101</td>
<td>3 hours</td>
<td>Organic Science 102</td>
</tr>
<tr>
<td>English 101</td>
<td>3 hours</td>
<td>Public Speaking 101</td>
</tr>
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</table>
Sophomore Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 294</td>
<td>2 hours</td>
</tr>
<tr>
<td>Education 234</td>
<td>3 hours</td>
</tr>
<tr>
<td>Education 221 or 223</td>
<td>3 hours</td>
</tr>
<tr>
<td>English 201</td>
<td>3 hours</td>
</tr>
<tr>
<td>Music 201</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 201 and 202</td>
<td>3 hours</td>
</tr>
<tr>
<td>Bible 301</td>
<td>3 hours</td>
</tr>
<tr>
<td>Education 302</td>
<td>3 hours</td>
</tr>
<tr>
<td>Education 209, or an Elective</td>
<td>3 hours</td>
</tr>
<tr>
<td>Education 221</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

4. Distribution of Electives. Students who contemplate transferring from this Normal Course to the General College Course should, in choosing their electives, bear in mind the requirements for graduation from the latter course.

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

Description of Courses

Art

Professors Van Andel and Van Zyl

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

Theory and practice. Freeman system. Blackboard writing also included.

291. Theory of Industrial Art

Two hours

Art education in the elementary schools will be treated in the manner of Winslow's Organization of Teaching Art: A Program for Art Education in the Schools.

302. Art (Practice)

Emphasis on Industrial Art.

331. Flemish Painting

Three hours

A course in the Flemish and Dutch primitives and Italianizers, followed by a discussion of the Flemish Renaissance painters with emphasis on Rubens and Van Dyck. The course is analytical as well as historical. Lectures, collateral reading, and reports. Not open to Freshmen.

322. Dutch Painting

Three hours

A course in Dutch painting from the Renaissance to modern times. The emphasis is placed on the seventeenth century. Lectures, collateral reading, and reports. Not open to Freshmen.

Bible

Professor Meeter and President Kuyper

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.

* No College credit given for this course.
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>202. REFORMED DOCTRINE</strong></td>
<td>Continuation of 201.</td>
<td>Two hours</td>
</tr>
<tr>
<td><strong>301. STUDIES IN CALVINISM</strong></td>
<td>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.</td>
<td>Two hours</td>
</tr>
<tr>
<td><strong>302. BIBLICAL ARCHAEOLOGY</strong></td>
<td>A study of the geographical, social, civil, and religious customs of the Hebrews, and of the peoples among whom they lived when the Bible arose. Not offered in 1952-53.</td>
<td>Two hours</td>
</tr>
<tr>
<td><strong>304. CHURCH HISTORY</strong></td>
<td>The historic development of Christianity and events related to it. Special consideration is given to the development amongst the Reformed churches, more particularly of the Netherlands and America. Open to Juniors and Seniors.</td>
<td>Two hours</td>
</tr>
</tbody>
</table>

**Chemistry**

**PROFESSOR DEKKER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>101. (1b.) GENERAL INORGANIC CHEMISTRY</strong></td>
<td>Four hours Three hours in class-room, lectures, quizzes and laboratory discussion and one laboratory period of four hours per week. Laboratory fee, $5.00. Prerequisite: No previous training in Chemistry required, but student should have knowledge of Physics.</td>
<td>Four hours</td>
</tr>
<tr>
<td><strong>102. (1b.) GENERAL INORGANIC CHEMISTRY</strong></td>
<td>Four hours Three hours in class-room, lectures, quizzes and laboratory discussion and one laboratory period of four hours per week. Laboratory fee, $5.00. Breakage fee, $5.00. Prerequisite: General Inorganic Chemistry.</td>
<td>Four hours</td>
</tr>
<tr>
<td><strong>103. (1.) GENERAL INORGANIC CHEMISTRY</strong></td>
<td>Four hours Three hours in class-room, lectures, quizzes and laboratory discussion and one laboratory period of four hours per week. Laboratory fee, $5.00. Breakage fee, $5.00. Prerequisite: high school chemistry.</td>
<td>Four hours</td>
</tr>
<tr>
<td><strong>104. (2.) GENERAL INORGANIC CHEMISTRY</strong></td>
<td>Four hours Continuation of 103. Hours, tests, and fees the same.</td>
<td>Four hours</td>
</tr>
<tr>
<td><strong>201. (3.) QUALITATIVE ANALYSIS</strong></td>
<td>Four hours Two hours of class-room work, one quiz period, and two laboratory periods of three hours each per week. Laboratory fee, $3.00. Breakage fee, $5.00. This course deals with principles underlying analytical processes and with reactions and qualitative analytic methods. Prerequisites: 103 and 104 or 101 and 102.</td>
<td>Four hours*</td>
</tr>
<tr>
<td><strong>202. (4.) ORGANIC CHEMISTRY</strong></td>
<td>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, $2.00. Breakage fee, $5.00. An elementary survey of organic chemistry; constitution and properties of different classes of compounds; preparation and study of properties of representative compounds. Prerequisite: General Inorganic Chemistry.</td>
<td>Four hours*</td>
</tr>
<tr>
<td><strong>301. (5.) QUANTITATIVE ANALYSIS</strong></td>
<td>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, $6.00. This course emphasizes the quantitative application of the principles of Analytic Chemistry and gives training in quantitative methods and technique. Prerequisite: 201.</td>
<td>Four hours*</td>
</tr>
<tr>
<td><strong>302. (6.) INORGANIC CHEMISTRY</strong></td>
<td>Two hours A course emphasizing the theories and laws of inorganic chemistry and presenting some of the principles of inorganic physical chemistry. Two hours class-room work. Prerequisites: Chemistry 201, and preferably Physics 201 and 202.</td>
<td>Two hours</td>
</tr>
<tr>
<td><strong>304. ORGANIC CHEMISTRY</strong></td>
<td>Three hours Three lecture hours per week. A continuation of 202, stressing particularly the aromatic compounds. Prerequisites: General Inorganic Chemistry and 202.</td>
<td>Three hours</td>
</tr>
<tr>
<td><strong>330m. (10.) TEACHERS' COURSE</strong></td>
<td>One hour Methods of teaching Chemistry in secondary schools. Prerequisite: Two years of chemistry.</td>
<td>One hour</td>
</tr>
</tbody>
</table>

**Dutch**

**PROFESSOR VAN ANDEL**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>101. (11.) ELEMENTARY GRAMMAR</strong></td>
<td>Four hours Conjugation and declension. Required outside reading.</td>
<td>Four hours</td>
</tr>
<tr>
<td><strong>102. (12.) ADVANCED GRAMMAR</strong></td>
<td>Four hours Review of preceding course. Declensions completed. Syntax. Required outside reading. In class some Dutch works are read.</td>
<td>Four hours</td>
</tr>
<tr>
<td><strong>201. APPLIED GRAMMAR</strong></td>
<td>Three hours Review of Grammar, with grammatical and lexicological exercises. Required outside reading. Not given 1952-53.</td>
<td>Three hours</td>
</tr>
<tr>
<td><strong>202. READING AND COMPOSITION</strong></td>
<td>Three hours In class some Dutch works are read which are used as the basis of lexicological and rhetorical exercises. Required outside reading. Not given 1951-52.</td>
<td>Three hours</td>
</tr>
<tr>
<td><strong>303. (301.) FLEMISH RENAISSANCE</strong></td>
<td>Three hours The Middle Ages and the Age of Reformation, Counter-Reformation and Humanism are discussed. Special emphasis on Mansi and Valentinus. Assigned reading and monthly essays. Given in 1952-53.</td>
<td>Three hours</td>
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</tbody>
</table>

* For engineering students and those desiring to take advanced work in chemistry, a five hour course will be arranged.
ECONOMICS AND SOCIOLOGY

PROFESSOR EYSKAMP

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

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

101. (1.) (Economics and Sociology) Human and Economic Geography. Three hours
A study of man’s adaptation to and control of his physical environment, with emphasis on the resources 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 taking the Normal Course. A Freshman course.

102. (2.) (Sociology) Introduction to Sociology. Three hours
An elementary course in sociology, including a brief discussion of the principles of sociology and of some of the modern social problems. A Freshman course.

201. (3.) Principles of Economics. Three hours
A review of the fundamental principles underlying modern economic life. Not open to freshmen, except by special permission. Students electing 201 are expected to take 202.
202. (4.) **PRINCIPLES OF ECONOMICS** Three hours
A continuation of the principles of economics and an application of the same to current industrial problems and institutions.

205. (5.) **SOCIOLOGY** Three hours
A study of the underlying social relationships with a view to bringing out the essential oneness of the individual and society; including a discussion of the biological and psychological approaches to the study of society, human nature, public opinion, social organization, democracy, etc. Not open to Freshmen, except by special permission.

204. (6.) **SOCIAL PROBLEMS** Three hours
A continuation of 203 with a further application of the principles of sociology to the outstanding social institutions; including a discussion of the more prominent of the present-day social problems.

301. (7.) **ECONOMICS** THE FINANCIAL ORGANIZATION OF SOCIETY Three hours
A study of the nature and functions of money, with a view to the understanding of the complex rôle of currency systems in our national and international life. A detailed study of the functions of banking, the Federal Reserve, private financial institutions, foreign trade, and so forth. Prerequisite: 201 and 203 or their equivalents.

305. (8.) **ECONOMICS** BUSINESS ORGANIZATION AND COMBINATION (Corporation Finance) Three hours
A continuation of 304. The financial promotion of corporations and of trusts; the trust problem. Given 1931–32.

303. (9.) **ECONOMICS and SOCIOLOGY** LABOR PROBLEMS AND TRADE UNIONISM Three hours
The historical background of the modern labor movement, the controversies between capital and labor, and the various solutions offered. A careful study of the history, nature, and problems of trade unionism. Prerequisite: 201 and 202, or 203 and 204.

304. (12.) **SOCIOLOGY** THE FAMILY Two or three hours
This course will be adapted to the needs of the students. It aims, however, at an intensive study of the history of the family as a social and educational institution, and at a thorough discussion of the divorce problem and other problems connected with modern family life. Prerequisite: 102, 205, and 204, or their equivalents.

306. **SOCIOLOGY** EDUCATIONAL SOCIOLOGY Three hours
This course is offered in the department of Education.

308. **ECONOMICS** PRINCIPLES OF MARKETING Three hours
A study of the marketing functions, the marketing of particular commodities, the functions and modes of operation of middlemen, associative activities affecting marketing, price policies, etc. Given in 1932–33.

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**EDUCATION**

**PROFESSORS J. BROOKS AND VAN ZYL, MR. FLOCKSTRA, AND MISS HULKEBURG**

101. (1.) **INTRODUCTORY PSYCHOLOGY** Three hours
A general course in psychology for beginners with some reference to the implications of psychology for pedagogy.

102. (2.) **EDUCATIONAL PSYCHOLOGY** Three hours
Course 101, or its equivalent, is a prerequisite.

103. **THE JUNIOR HIGH SCHOOL** Two hours
Not offered after June, 1931.

104. **GENETIC PSYCHOLOGY** Three hours
A study of the psychology of the child. Course 101, or its equivalent, is a prerequisite.

305. (3.) **PRINCIPLES OF EDUCATION** Three hours
A study of the aim of education and of the various underlying problems.

302. (4.) **THE PRACTICE OF EDUCATION** Three hours
A course deals with the teaching process and with problems pertaining to class management.

306. **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.

305. (5.) **HISTORY OF EDUCATION** Three hours
A survey of the growth of educational theory and practice during the ancient and medieval periods.

306. (6.) **HISTORY OF EDUCATION** Three hours
A continuation of 305 covering the modern period.

307. (7.) **SCHOOL ADMINISTRATION** Two hours
This course aims to discuss the organization and management of state and local school systems.

306. (8.) **PRINCIPLES OF SECONDARY EDUCATION** Three hours
A study of secondary school problems. Special attention is given to the phenomena and problems of adolescence.

309. **EDUCATIONAL SOCIOLOGY** Three hours
A study of social structure and educational practice with emphasis on present-day problems.

310. **EDUCATIONAL MEASUREMENTS** Three hours
A survey course of present-day practices of measuring the results of teaching.
312. 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 phenomenon and problems of insanity. Course 101, or its equivalent, is a prerequisite.

321. Principles of Teaching in Elementary Schools
Three hours
Various units of work will be presented, such as characteristics of method, the problem of individual differences, controlling principles of the Public School and the Christian School in the United States, etc.

322. Principles of Teaching in Secondary Schools
Three hours
The principles of teaching will be discussed in the light of Morison'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.

325. Principles of Kindergarten-Primary Grades Teaching
Three 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.

329. Methods of Teaching Reading, Geography, and Bible
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.

332. 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.

384. Methods of Teaching Arithmetic
Three hours
Both content and methods in arithmetic throughout the grades will be considered.

396. Methods of Teaching Music
Two hours
The student will get practice to lead a class in the elementary school in singing as the major part of teaching technique in elementary school music. Demonstration lessons will be observed by the class as a whole.

Engineering Drawing and Statics

101. Mechanical and Machine Drawing
Three hours
The principles of orthographic projection; practices in the making of working drawings; correct drafting-room practice in conventional representations; the use of instruments; practice in lettering; free-hand for dimensions and notes, and mechanical for titles; reading and checking of drawings; practice in tracing; original drawing on vellum. Three two-hour drafting-room periods, three hours homework a week.

102. Descriptive Geometry
Three hours
Exercise, instruction, and drill through the medium of 80 printed plates of problems comprising combinations of the point, line, and plane, intersections, developments, tangent planes, and warped surfaces. Three two-hour periods drafting-room, three hours homework a week. Prerequisite: 101.

103. Mechanism and Sketching
Two hours
Sketching of models in orthographic, isometric, and oblique projection; practice in the making of working drawings from sketches; free-hand lettering; special practice in and application of, drawings. Two two-hour drafting-room periods, two hours homework a week. Prerequisite: 101.

104. Statics
Four hours
Study of fundamental principles of mechanics and their application to the simpler problems of engineering. Force,

**English**

**PROFESSORS VAN DEN BOSCH AND VAN ZYL, MISS TIMMER, MR. FLOKSTRA, AND MR. ZYLSM**

103. FRESHMEN ENGLISH

**Three hours**

This is a basic course required of all Freshmen. Its purpose is to drill the student in the essentials of writing and speaking English correctly.

104. FRESHMEN ENGLISH

**Three hours**

This is a continuation of the preceding course. Exposition and narration are emphasized. Both 103 and 194 are prerequisites to all other courses in English.

201. (11.) AMERICAN LITERATURE

**Three hours**

From the beginning to 1840. A study of the religious, political, social, and artistic background of our national culture.

202. (12.) AMERICAN LITERATURE

**Three hours**

The New England group, post-bellum realism, moralistic fiction, the historical romance, naturalism, and the new poetry.

205. FROM THE BEGINNING TO 1600

**Three hours**

Literary history of the period with emphasis upon Beowulf, the metrical romance, Chaucer, the humanists, and the non-dramatic writers of the Elizabethan age. Not given in 1931-32.

207. (15.) THE ELIZABETHAN PERIOD

**Three hours**

A study is made of the Renaissance as it manifests itself in literature, particularly in drama.

208. (16.) THE SEVENTEENTH CENTURY

**Three hours**

The Cavalier and the religious poets, Milton and Bunyan, and the restoration authors.

301. (17.) THE ROMANTIC MOVEMENT

**Three hours**

History and characteristics of Romanticism. Emphasis upon Wordsworth, Coleridge, Byron, Shelley, and Keats.

302. (18.) THE VICTORIAN PERIOD

**Three hours**

Introduction to the period and survey of leading authors, with special attention to Tennyson and Browning.

303. (19.) CONTEMPORARY LITERATURE OF ENGLAND

**Two or three hours**

Fiction from 1890 to the present day. A study is made of the philosophic, scientific, political, social, and artistic influences that are reflected in the various literary movements of this period. The work is related to continental fiction. Open to Seniors.

**FRENCH**

**PROFESSOR A. E. BROEN**

101. (1.) ELEMENTARY FRENCH

**Four hours**

Grammar, pronunciation, composition, dictation, oral drill, and conversation are intended to impart a certain amount of ear-training and ability to understand simple spoken French.

102. (2.) CONTINUATION OF 101

**Four hours**

Text in both courses: Olmsted and Sirich, Beginners' French Grammar. This is followed by the reading of easy prose.

201. (3.) INTERMEDIATE FRENCH

**Three hours**

Reading of about two hundred pages of easy nineteenth century text. Special stress on idiom. Composition based on text read. Prerequisite: 101 and 102.

202. (4.) CONTINUATION OF 201

**Three hours**

Reading of about three hundred pages of modern prose. Composition and thorough review of grammar throughout the year. About six hundred pages of outside reading is required for the year.

301. (5.) THE ROMANTIC MOVEMENT

**Three hours**


Drama and poetry since 1890 are considered in connection with continental movements and the authors representing them. Open to Seniors.

305. (3.) PRINCIPLES OF LITERATURE

**Three hours**

Literature: its place in philological encyclopedia and aesthetics, its nature, its various forms, and kindred topics. Desirable for all who wish to specialize in literature.

306. (4.) ADVANCED RHETORIC

**Three hours**

Open only to those who receive special permission. Analysis of masterpieces; criticism of students' themes. Rhetorical theory.

309. DEBATING

**One or two hours**

Two hours of credit are given to students who take part in intercollegiate debating, and one hour to those who take part in the Broadman contest or serve as substitutes in the intercollegiate contests.

330m. TEACHERS' COURSE

**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.
GERMAN, GREEK

101. (1.) BEGINNERS' GERMAN

Four hours

Text: Crosby and Schaeffer, An Introduction to German.

102. (2.) BEGINNERS' GERMAN

Four hours

Continuation of 101. Completion of the text and the reading of the first book of Xenophon's Anabasis, or its equivalent.

201. (3.) GREEK

Three hours

Selections from the Anabasis. Prerequisite: 101–102.

202. HOMER'S ILLiad

Three hours

Text: Leaf and Rnyfield, Books I-XII.

301. (5.) PLATO

Three hours

The Apology, Crito, and Phaedo are read.

302. (6.) PLATO

Three hours

The Republic is read.
315. (13.) NEW TESTAMENT GREEK Two hours
The Gospel according to Mark is read. Prerequisite: 101–102.

316. (14.) NEW TESTAMENT GREEK Two hours
Study is made of some of the Pauline Epistles. Prerequisite: 101, 102, and 113.

315. (25.) 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.

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

History

PROFESSOR HOOKESTRA AND MR. FLOKSTRA

101. (1a.) EUROPE SINCE 1815 Three hours
The general history of Europe since 1815, with emphasis on such topics as the revolutionary movement in France, the unification of Germany, the rise of Socialism. Discussion and assigned reading. Presupposes a high school course in General History.

102. (2a.) EUROPE SINCE 1815 Three hours
A continuation of 101, which is prerequisite. Courses 101 and 102 are for Freshmen; open to Sophomores by special arrangement.

201. (3.) EASTERN EUROPE SINCE 1815 Three hours

202. (4b.) EASTERN EUROPE SINCE 1815 Three hours
The Balkan States, Austria, Hungary, and Czechoslovakia. Lectures, readings, and reports. Prerequisites: same as 201.

203. (5.) ENGLISH HISTORY TO 1600 Three hours
An outline of the Political and Constitutional History of England. Prerequisites: 101 and 102. For Sophomore and Junior year.

204. (6.) ENGLISH HISTORY SINCE 1600 Three hours
Continuation of 203, which is prerequisite.

301. (7.) AMERICAN HISTORY Three hours
Lectures and readings. Prerequisite: A high school course in American History.

302. (10.) AMERICAN HISTORY Three hours
Continuation of 301, which is prerequisite. Courses 301 and 302 are open to Juniors and Seniors.

HISTORY, LATIN

53

303. (11.) AMERICAN FOREIGN RELATIONS Three hours
The diplomatic relations of the United States since 1789 with the principal countries of Europe and with China and Japan. Prerequisite: high school course in American History. Given 1927–28.

304. (12.) AMERICAN FOREIGN RELATIONS Three hours
Diplomatic relations with South American countries. Origin and development of the Monroe Doctrine. Courses 303 and 304 open to Juniors and Seniors.

323. THE EARLY MIDDLE AGES (400–1000) See page 42.

324. FIRST RENAISSANCE (1000–1400) See page 42.

325. SECOND RENAISSANCE AND REFORMATION (1400–1668) See page 42.

326. THIRD RENAISSANCE AND REVOLUTION (1808–1815) See page 42.

350m. (9.) TEACHERS’ COURSE Methods of teaching history in secondary schools. Prerequisite: twenty-one to twenty-two hours of history.

Latin

PROFESSOR BOOKS

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 230, 231, 233m. Students who expect to graduate from the four-year Pre-Seminary Course must complete fifteen semester hours beyond the two units of Latin required for admission, and must include Courses 202, 203, and 205, and may include 220. Students who enter as Freshmen September, 1931, or later fulfill requirements by completing twelve semester hours, but these must not include Courses 106, 201, and 320. Those who with admission offer more than two units of Latin may reduce the requirements by three semester hours for every unit taken in the high school beyond the two units.

101–102. (1a and 1b.) 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 course. No credit is granted for 101–102 unless credit has been earned for 103–104.

103–104. (15 and 25.) SECOND YEAR LATIN Five hours second semester
The equivalent of four books of Caesar’s Gallic Wars is read. Equivalent to one unit of Latin for admission.
105. (1.) ROMAN ORATORY
Three hours
Calvinian orations of Cicero and Latin prose composition. Comparison of ancient and modern oratory and the history and government during the first century before Christ. This course is offered for those students who present two units of Latin for admission.

106. (2.) ROMAN ORATORY AND CORRESPONDENCE
Three hours
Selected orations and letters of Cicero. A study of Roman manners and political conditions at the end of the Republic. Prose composition.

201. (3.) POETRY
Three hours
Selections from the various works of Ovid. Study of Latin prosody and Roman mythology.

202. (4.) POETRY (Continued)
Three hours
Parts of Books I to VI of Virgil's Aeneid. Translation and interpretation, metrical reading, and studies in Roman mythology. The personal, national, and religious elements found in the Aeneid are traced in relation to the threefold policy of Augustus Caesar.

301. (5.) PHILOSOPHICAL TREATISES
Three hours
Cicero's De Stoicotea and De Amicitia. Papers by the students on assigned subjects.

302. (7.) ROMAN HISTORIANS
Two or three hours
Livy, Book XXXI: the history and the life of Rome during the period of the Punic Wars. Not offered in 1932-33.

305. (9.) ROMAN COMEDY
Two or three hours
Terence: The Adelphi and the Andria.

306. (11.) HOMER: Odysseus and Iliad
Two or three hours

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. (10.) ROMAN CULTURE
Two 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 correspondence; Rome, the imperial city; the family and the position of women; children and education; religion and philosophy, and so forth. Lectures, text-book, assigned readings, term papers. Illustrated with slides.

207. (14.) 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 Cicero and Cicero will be carefully studied and reviewed.

MATHEMATICS

PROFESSOR NIEUWDOORP

101. (1.) ALGEBRA
Three hours
For those who have had only one year of Algebra in high school.

102. (2.) SOLID GEOMETRY
Three hours

103. (3.) COLLEGE ALGEBRA
Three hours
Prerequisites: 101.

104. (4.) PLANE TRIGONOMETRY
Three hours
Prerequisite: 101 and 103.

201. (5.) PLANE ANALYTIC GEOMETRY
Four hours
Prerequisite: 103 and 104.

202. (6.) CONTINUATION OF 201
Four hours
Plane Analytic Geometry completed and introduction to Solid Analytical Geometry.

301. (7.) DIFFERENTIAL CALCULUS
Five hours
Prerequisites: 201 and 202.

302. (8.) INTEGRAL CALCULUS
Five hours
Completion of Integral Calculus and introduction to Differential Equations.

303. (9.) DIFFERENTIAL EQUATIONS
Three hours
Prerequisites: 201 and 202.

304. (10.) THEORY OF EQUATIONS
Three hours
Prerequisites: 103, 201, and 202.

305. (11.) PROJEKTIVE GEOMETRY
Three hours
This will be offered if one of the other courses for this semester is not elected by enough students.

307. (13.) SOLID ANALYTICAL GEOMETRY
Three hours
Prerequisites: 201 and 202.

320. (15.) TEACHERS' COURSE
One hour
Discussion of methods of teaching Mathematics in secondary schools. Twenty hours of observation work are required.
Music

101-102. CHOIR

Two hours

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.

206. MUSIC METHODS

Two hours

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

205. 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.

206. 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, progressive in class. Lectures, collateral reading, term papers, and text-book work.

206. HISTORY OF MUSIC

Continuation of 205.

207. 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 minutes period a week. Semester fee: $18.00.

208. SINGING

Continuation of 207. Semester fee: $18.00.

209. ORGAN

One hour

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.

Organic Science

101. (1) FUNDAMENTALS OF ZOOLOGY

Four hours

The more significant principles of animal biology, such as classification, anatomy, physiology, embryology, heredity, and evolution, are studied. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00.

102. (2) HUMAN PHYSIOLOGY

Two hours

A study of some vital phenomena occurring in man. Course 101 is a desirable antecedent.

103. (4) PERSONAL HYGIENE

Two hours

The care of the human body. This course must be preceded by 102. Not given in 1902-3.

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, $5.00. Prerequisite: 101.

201. (6) INVERTEBRATE ZOOLOGY

Four hours

Anatomy, physiology, behavior, and classification of animal representatives of the invertebrate groups. Economic forms are emphasized. Three recitations and three hours of laboratory work a week. Laboratory fee, $5.00. Prerequisite: 101.

202. (6) INTRODUCTION TO BOTANY

Four hours

Anatomy, physiology, economics, breeding, and classification of seed plants. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00.

208-294. (7) 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. Prerequisites: 202.

302. (8) 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.

308-394. (13 and 14) LABORATORY METHODS

Two hours

Collection, preparation, and preservation of laboratory materials. Maintenance of laboratory cultures. Microscopic techniques: staining, mounting, and mounting of microscopic preparations for botany, zoology, and physiology. Laboratory fee, $3.60. Three hours of laboratory work a week throughout the year.

305. (8) BIOLOGICAL PROBLEMS

Three hours

History of biology, the nature of the individual, variation of organisms, evidence for evolution, and organic teleology. Lectures, assigned readings, recitations, and reports. Prerequisite: 101.
PHYSICS, POLITICAL SCIENCE

203. (7.) ETHICS Three hours
Lectures, discussions, and papers on the problems and methods in ethics with emphasis on the relation to religion and metaphysics. Papers. Prerequisite: 302.

204. (8.) METAPHYSICS Three hours

206. METAPHYSICAL IMPLICATIONS OF CHRISTIANITY Three hours
Lectures, readings, discussions, and papers on the view of reality expressed and implied in Christianity. Prerequisite: 303.

PHYSICS

MR. WASSINK

201. (1.) GENERAL PHYSICS Four hours
Mechanics, molecular physics, heat. Prerequisites: high school physics and a course in plane trigonometry. Three class periods and one laboratory period. Laboratory fee, $3.00.

202. (2.) GENERAL PHYSICS Four hours
Electricity, sound, and light. Three class periods and one laboratory period per week. Laboratory fee, $3.06.

203. (5.) PROBLEM COURSE One hour
A course required of engineering students. It should accompany 201.

204. (6.) PROBLEM COURSE One hour
Continuation of 203. This course should accompany 202.

POLITICAL SCIENCE

PROFESSOR HORNBERGER

301. (1.) INTRODUCTION TO POLITICAL SCIENCE Three hours

302. (2.) INTRODUCTION TO POLITICAL SCIENCE Three hours
Continuation of 301, which is prerequisite.

303. (5.) AMERICAN CONSTITUTIONAL LAW Three hours
Practical operation of Federal and state constitutions. The relations of government to the business and social interests of the people. Interpretation of the constitution by the various departments of the government. Given 1921-22.

304. (4.) AMERICAN CONSTITUTIONAL LAW Three hours
Continuation of 303, which is prerequisite. Courses 301 to 304 are open to Juniors and Seniors.
Public Speaking

Professor Swees

Oratory. One hour of credit for not more than one semester is offered to students who participate in intercollegiate oratorical 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 Broadman contest and as substitute in the intercollegiate contest.

101. Story Telling

Three hours
Throughout the course the major emphasis will fall on practice in story telling in view of elementary school needs. Miss Holscher in charge.

103. Speech-Making

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

104. Speech-Making

Two hours
Continuation of 103, together with a study of speech form and speech qualities.

201. Interpretative Reading

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

202. Interpretative Reading

One hour
Continuation of 201.

203. Great Orators

One hour

204. Great Orators

One hour
Study of great American orators. Declamations and topical speeches.

REGISTER OF STUDENTS

Seniors

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<tr>
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<tbody>
<tr>
<td>Berkof, John</td>
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**Juniors**

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<td>Andree, Robert Gerald</td>
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**REGISTER OF STUDENTS**

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<td>Haan, Enno Leonard</td>
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### Sophomores

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## Register of Students

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<thead>
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<th>Name</th>
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<tr>
<td>Bruns, Clarence</td>
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### Freshmen

- Bengelink, Henry: Grand Rapids
- Bode, Helen M.: Fremont
- Boer, Harold: Grand Haven
- Boes, Raymond: Wyoming Park
- Bolt, Geula: Poinsett
- Bos, Hermine: Grand Rapids
- Bosscher, Bertrice: Schoholt, N. Mex.
- Boschenbrock, Leslie Gertrude: Waupun, Wis.
- Botting, Mae S.: Grand Rapids
- Bouma, Anna: Coralville, S. Dak.
- Bray, Hero, Jr.: Holland
- Brink, Arnold: Lynden, Wash.
- Brink, Arthur: Holland
CALVIN COLLEGE

REGISTER OF STUDENTS

NAME

NAMEN

Residence

- Motsma, George...Grand Rapids
- Nieuwdorp, Johanna...Grand Rapids
- Oldenburg, Samuel Carl...Waddington, N. Y.
- Ottenhoff, Benjamin George...Chicago, Ill.
- Ottenhoff, Herman Henry...Chicago, Ill.
- Overbeek, Dorothy Louise...Sheboygan, Wis.
- Pals, Eric...Iowa
- Peterson, Raymond Peter...Grand Rapids
- Pluymert, Margaret...South Holland, Ill.
- Prins, Gerard...Holland
- Reifste, Abe Lincoln...Seldon, Iowa.
- Rinek, Margaret Susan...Grand Rapids
- Schueman, Gerrit...Grand Rapids
- Schaar, Gerard Clarence...Osceola, Wis.
- Scher, Irene Corazina...Grand Rapids
- Sipserink, Henrietta...Grand Rapids
- Smulders, Hazel Florence...Michigan
- Smelkinson, Henrietta...Grand Rapids
- Sohnsma, Herbert...Glennrock, N. J.
- Stevens, Mildred Maxine...Grand Rapids
- Spern, John...Wyoming Park
- Strikwerda, Earl...Grand Rapids
- Struyk, Harry Charles...Willard, Ohio.
- Vandervel, Christine...Pella, Iowa.
- Vandeke, Adrian...Grand Rapids
- Van Nostrand, Dick...Grand Rapids
- Van Houten, Fred William...Byron Center
- Van Houten, Fred William...Byron Center
- Van Nelle, Peter James...Paterson, N. J.
- Van Rossum, Laura Edna...Grand Rapids
- Van Someren, Johanna...Baldwin, Wis.
- Van Steele, Katherine Klaisin...West Sayville, N. Y.
- Van Zwol, James A...Grand Rapids
- Van Zyl, Herman...Grand Rapids
- Veldz, Fred Eugene...Grand Rapids
- Velets, Lawrence Edward...Holland
- Voltman, Nelson...Grand Rapids
- Verhage, Martin...Hudsonville
- Vogel, Henry...Grand Rapids
- Wessling, Jesse...Meadow, Virginia.
- Westenberg, Eugene Lambertus...Parkersburg, Iowa.
- Westing, Nina...Grand Rapids
- Westra, Peter...Grand Rapids
- Wijngaard, W. Donald...Grand Rapids
- Wynne, David Leonard...Clifton, N. J.
- Yared, Jerome Abo...Grand Rapids

Unclassified

NAME

Residence

- Davies, Thomas Philip...Grand Rapids
- De Vries, Joyce Ione...Grand Rapids
- Haan, Ruth Madeline...Grand Rapids
- Haan, Trena Korth...Grand Rapids
- Noble, Esther Rose...Grand Rapids
- Torres, Koral Macal...Grand Rapids
- Vander Jagt, Peter...Grand Rapids
- Vlah, Anna...Grand Rapids
- Wielenga, Mrs. Helen...Grand Rapids
- Wielenga, Charles...Grand Rapids