

Calvin College

An Institution of the Christian Reformed Church

BULLETIN

Catalog Issue 1965-1966

GRAND RAPIDS, MICHIGAN 49506

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CORRESPONDENCE

All correspondence should be sent to Calvin College, Grand Rapids, Michigan 49506. Specific inquiries and requests should be directed as follows:

Vice President for Student Affairs

Applications for Scholarships
Information for foreign students

Coordinator of Admissions and Student Financial Aid

Information concerning Admissions
Applications for Admissions
Financial Aids

Registrar

Catalogs
Information concerning graduation
Transcripts of record

Dean of Students

Housing for men students
Off-campus employment
Graduate placement

The Dean of Women

Housing for women students
Domestic employment for women students

College Chaplain

Religious life of the college
Chapel arrangements

Director of College Relations

Gifts and bequests

Teacher Placement Bureau

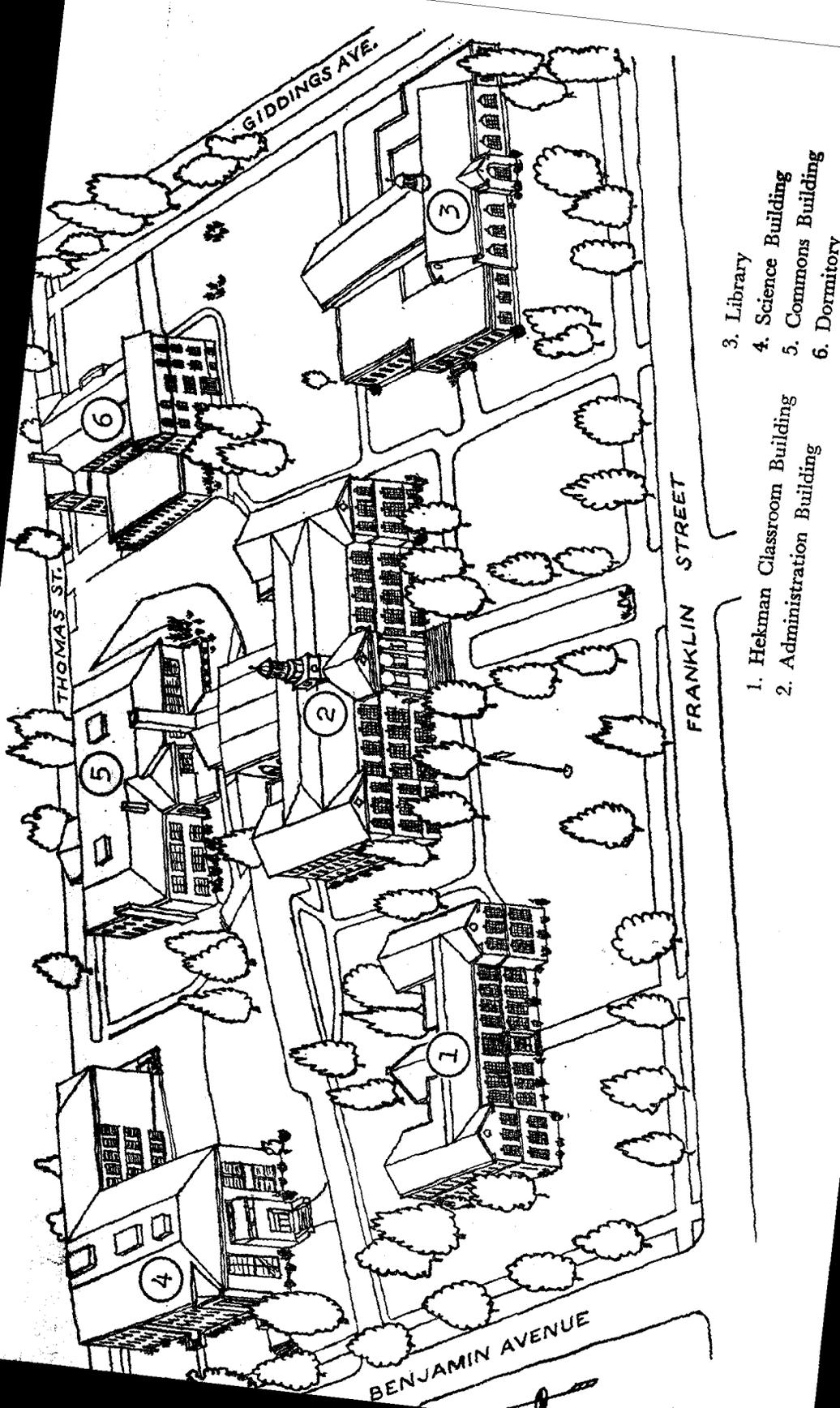
Teaching positions after graduation

Coordinator of Alumni Relations and College Information

Alumni matters

Business Office

Payment of bills; business matters



- 3. Library
- 4. Science Building
- 5. Commons Building
- 6. Dormitory
- 1. Hekman Classroom Building
- 2. Administration Building

THE CALVIN KNOLLCREST CAMPUS

- 1. Seminary
- 2. Manor House—
Calvin
Hospitality
Center

Library-Classroom Building:

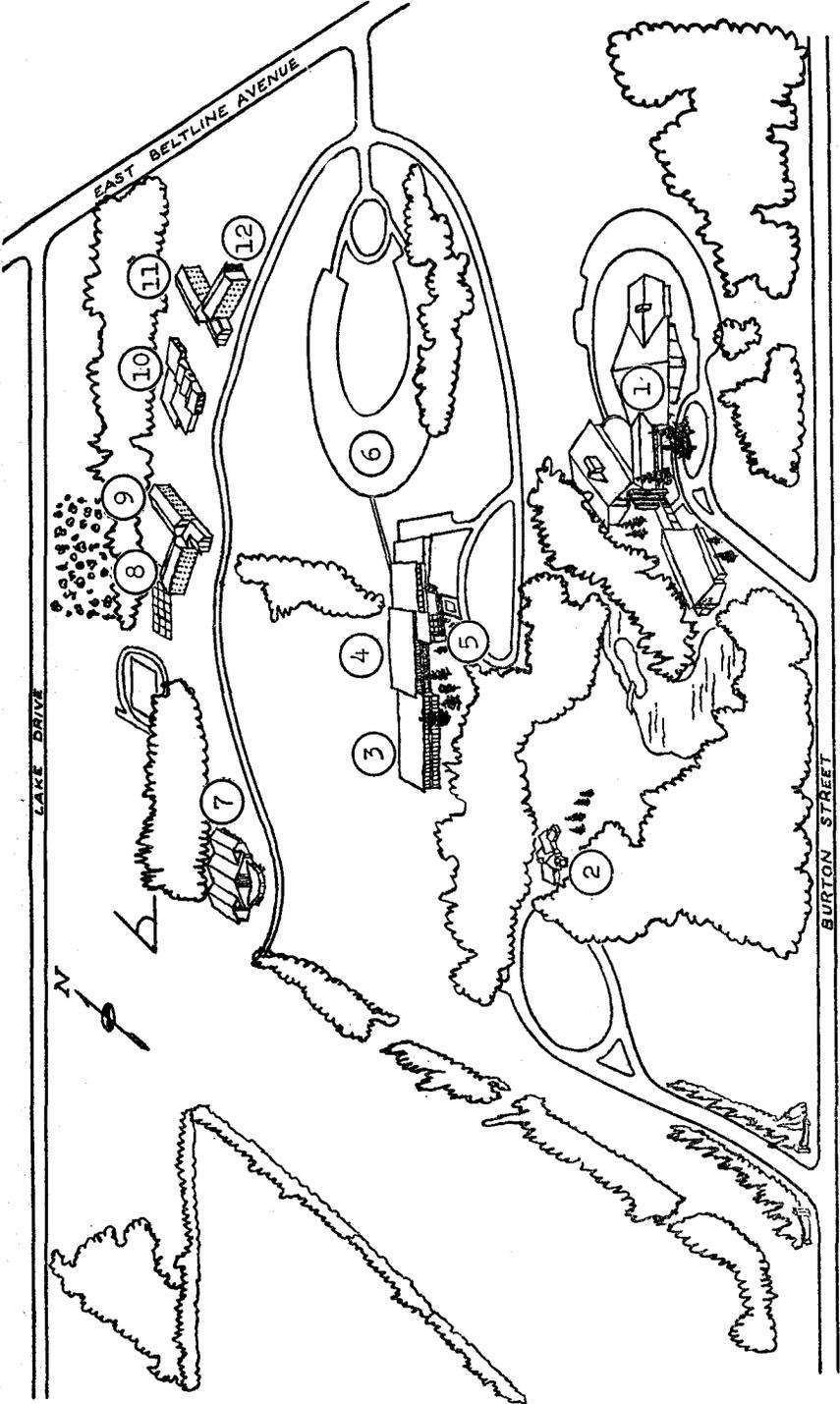
- 3. Hiemenga Hall
- 4. Library
- 5. Heritage Hall

* * *

- 6. Parking Area
- 7. Physical Edu-
cation Building

Residence Area:

- 8. Noordewier Hall
- 9. Vander Werp
Hall
- 10. Dining Hall
- 11. Veenstra Hall
- 12. Beets Hall



● CALENDAR FOR 1965 ●																					
JANUARY				APRIL				JULY				OCTOBER									
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17	18	19	20	21	22	23	18	19	20	21	22	23	24	17	18	19	20	21	22	23	
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● CALENDAR FOR 1967 ●																					
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19	20	21	22	23	24	25	21	22	23	24	25	26	27	19	20	21	22	23	24	25	
26	27	28					28	29	30	31			26	27	28	29	30				
MARCH				JUNE				SEPTEMBER				DECEMBER									
1	2	3	4				1	2	3	4			1	2	3						
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12	13	14	15	16	17	18	11	12	13	14	15	16	17	10	11	12	13	14	15	16	
19	20	21	22	23	24	25	18	19	20	21	22	23	24	17	18	19	20	21	22	23	
26	27	28	29	30	31		25	26	27	28	29	30	24	25	26	27	28	29	30		

CALENDAR FOR 1965-66

1965

September	8	Wednesday	Faculty Conference
September	9-14	Thursday through Tuesday	Freshman Orientation
September	10	Friday	Registration of Freshmen by alphabetical groups
September	13-14	Monday and Tuesday	Registration of Sophomores, Juniors, and Seniors by alphabetical groups
September	15	Wednesday, 9:30 a.m.	Convocation
		11:00 a.m.	Classes begin
November	24	Wednesday, 12:00 noon	Thanksgiving recess begins
November	29	Monday, 8:00 a.m.	Classes resume
December	22	Wednesday, 12:00 noon	Christmas vacation begins

1966

January	5	Wednesday, 8:00 a.m.	Classes resume
January	17	Monday, 9:00 a.m.	Final examinations begin
January	26	Wednesday, 10:00 p.m.	First semester ends
January 27 & 28		Thursday and Friday	Registration for second semester
January	31	Monday, 8:00 a.m.	Second semester begins
→ April	5	Tuesday, 10:00 p.m.	Spring vacation begins
April	13	Wednesday, 8:00 a.m.	Classes resume
April	28	Thursday	Fine Arts Festival
May	4	Wednesday	Honors Convocation
May	19	Wednesday, 8:00 a.m.	Classes resume <i>end</i>
May	23	Monday, 9:00 a.m.	Final examinations begin
June	3	Friday	Commencement

Summer Session

June	13	Monday	Eight-week session begins
June	27	Monday	Six-week session begins
August	5	Friday	Summer Session ends

Regular Session — 1966-'67

September	7	Wednesday	Faculty Conference
September	8-13	Thursday through Tuesday	Freshman Orientation
September	9	Friday	Registration of Freshmen by alphabetical groups
September	12-13	Monday and Tuesday	Registration of Sophomores, Juniors, and Seniors by alphabetical groups
September	14	Wednesday, 9:30 a.m.	Convocation
		11:00 a.m.	Classes begin

BOARD OF TRUSTEES

(As of July 1, 1965)

- The Rev. J. W. Van Weelden.....5020 - 43rd Ave., Red Deer, Alta., Canada
(*Classis Alberta North*)
- The Rev. H. Bade.....4922 - 52nd Ave., Box 549, Taber, Alberta, Canada
(*Classis Alberta South*)
- The Rev. T. Heyboer.....2026 McCallum Rd., RR 5, Abbotsford, B. C., Canada
(*Classis British Columbia*)
- The Rev. M. Bolt.....RR 3, Marion, Mich. 49665
(*Classis Cadillac*)
- The Rev. H. Radius.....1135 Church St., Redlands, Cal. 92373
(*Classis California South*)
- The Rev. G. Kok.....2175 N. Leoni Dr., Hanford, Cal. 93230
(*Classis Central California*)
- The Rev. G. Bouma.....857 Riverside Dr., London, Ontario, Canada
(*Classis Chatham*)
- The Rev. O. Breen.....10520 S. Karlov Ave., Oak Lawn, Ill. 60453
(*Classis Chicago North*)
- The Rev. W. Verwolf.....98th and St. Louis, Evergreen Park, Ill. 60642
(*Classis Chicago South*)
- The Rev. J. Van Harmelen.....1177 Kingston Rd., RR 2, Whitby, Ont., Canada
(*Classis Eastern Ontario*)
- The Rev. H. De Mots.....1740 Lyon St., N.E., Grand Rapids, Mich. 49503
(*Classis Grand Rapids East*)
- The Rev. A. Brink.....2129 Jefferson Dr., S.E., Grand Rapids, Mich. 49507
(*Classis Grand Rapids South*)
- The Rev. R. Rienstra.....300 Sligh Blvd., N.E., Grand Rapids, Mich. 49505
(*Classis Grand Rapids West*)
- The Rev. C. Greenfield.....1271 Lee St., S.W., Wyoming, Mich. 49509
(*Classis Grandville*)
- The Rev. L. Bouma.....95 Unionville Ave., Sussex, N. J.
(*Classis Hackensack*)
- The Rev. G. J. Hoytema.....Box 638, Caledonia, Ont., Canada
(*Classis Hamilton*)
- Dr. J. T. Hoogstra.....6 E. 24th St., Holland, Mich. 49423
(*Classis Holland*)
- The Rev. J. Hasper.....92 Maltbie Ave., Ridgewood, N.J. 07450
(*Classis Hudson*)
- The Rev. P. Holwerda.....3322 Lovers Lane, Kalamazoo, Mich. 49001
(*Classis Kalamazoo*)
- The Rev. J. M. Hofman.....238 Marshall St., Lansing, Mich. 48912
(*Classis Lake Erie*)
- The Rev. R. Evenhuis.....Box 97, Pease, Minn. 56363
(*Classis Minnesota North*)
- The Rev. J. Leugs.....P.O. Box 456, Edgerton, Minn. 56128
(*Classis Minnesota South*)
- The Rev. M. Vanderwerp.....218 N. Division Ave., Spring Lake, Mich. 49456
(*Classis Muskegon*)

The Rev. B. Visscher.....	Wellsburg, Ia. 50680
	<i>(Classis Northcentral Iowa)</i>
The Rev. J. H. Rubingh.....	804 Humiston, Worthington, Minn.
	<i>(Classis Orange City)</i>
The Rev. J. Geels.....	402 No. 5th Ave., Bozeman, Montana 59715
	<i>(Classis Pacific)</i>
The Rev. W. De Vries.....	320 N. 6th St., Oskaloosa, Iowa 52577
	<i>(Classis Pella)</i>
The Rev. R. Vermeer.....	1804 S. Emerson, Denver, Colo. 80210
	<i>(Classis Rocky Mountain)</i>
The Rev. P. De Boer.....	2704 S. Holly Ave., Sioux Falls, S.D. 57106
	<i>(Classis Sioux Center)</i>
The Rev. P. M. Jonker.....	267 Main St. N., Brampton, Ont., Canada
	<i>(Classis Toronto)</i>
The Rev. J. H. Olthoff.....	920 Center Ave., Oostburg, Wis. 53070
	<i>(Classis Wisconsin)</i>
The Rev. E. Oostendorp.....	11342 Brown St., Allendale 49401
	<i>(Classis Zeeland)</i>
P. Berkhout, M.D.....	106 Haledon Ave., Prospect Park, Paterson, N.J.
	<i>(Eastern District)</i>
H. Triezenberg, A.M.....	1172 S. Taylor Ave., Oak Park, Ill.
R. Hoekstra, A.B.....	1031 Parmalee Ave., N.W., Grand Rapids, Mich.
H. Kreulen, M.D.....	2452 Godwin Ave., S.E., Grand Rapids, Mich.
P. Cooper, D.D.S.....	2429 N. 5th St., Sheboygan, Wis.
W. De Young, D.D.S.....	2452 Union, S.E., Grand Rapids, Mich.
R. Goldsword.....	31299 Northwood Dr., Cleveland 24, Ohio
	<i>(Central District)</i>
H. De Groot
	<i>(Midwest District)</i>
H. De Jong, D.D.S.....	P.O. Box 698, 506 Orange Ave., Ripon, Cal.
	<i>(Far West District)</i>

OFFICERS

<i>President</i> — the Rev. H. De Mots
<i>First Vice President</i> — Dr. J. T. Hoogstra
<i>Secretary</i> — Mr. R. Hoekstra
<i>Assistant Secretary</i> — Mr. R. Goldsword

PAST PRESIDENTS OF CALVIN COLLEGE

The Rev. John J. Hiemenga, A.M., B.D.	1919-1925
Prof. Johannes Broene, A.M. (Acting President)	1925-1926
	1926-1930
The Rev. Rienk B. Kuiper, A.M., B.D.	1930-1933
Ralph Stob, Ph.D.	1933-1939
Prof. Johannes Broene, A.M. (Acting President)	1939-1940
The Rev. Henry Schultze, A.B., B.D.	1940-1951

ADMINISTRATIVE OFFICERS AND PERSONNEL

OFFICERS OF ADMINISTRATION

Academic

William Spoelhof, Ph.D.....President
John Vanden Berg, Ph.D.....Vice President and Dean of the College
Melvin Berghuis, Ph.D.....Vice President for Student Affairs
Lester De Koster, A.M.L.S., Ph.D.....Director of the Library
Philip R. Lucasse, A.M.....Dean of Students
Catherine W. Van Opynen, A.M., A.M. in Ed.....Dean of Women
Bernard E. Pekelder, Th.B., M.A.....College Chaplain
Peter Vande Guchte, M.B.A.....Registrar
Donald Lautenbach, A.M.....Coordinator of Admissions and Student
Financial Aid

Business

Henry De Wit, M.B.A. (C.P.A.).....Vice President of Business and Finance
Lester IppelController

College Relations

Sydney T. Youngsma.....Director of College Relations
Janet P. Hoekenga, A.M.....Coordinator of Alumni Relations and
College Information

HEALTH SERVICE

Staff available at the Health Center:

Harvey Bratt, M.D., 833 Lake Drive, S.E., GL 1-0766
8:30 to 9:30 a.m., Wednesday and Thursday
Laurence H. Feenstra, M.D., 833 Lake Drive, S.E., GL 9-0213
8:30 to 9:30 a.m., Monday, Tuesday, Friday
Leonard Vander Linde, Ph.D., 645 Cherry Street, S.E., GL 6-5403
By appointment
Mrs. Ann Trap, R.N., 940 - 33rd Street, S.E., 245-4710

OFFICE PERSONNEL

Academic Office

Katherine De Boer.....Secretary, Coordinator of Admissions
and Student Financial Aid
Janice Hulbert.....Secretary to the Registrar
Mary Jo Kruis.....Records Clerk
Kathleen Syswerda.....Switchboard Operator-Receptionist
Helen Vander Veen.....Secretary to the Vice President for Student Affairs
Adeline Veen.....Secretary to the Vice President and Dean of the College
Carol Veen.....Secretary to the President
Caroline Weg.....Transcript Clerk

Bookstore

Ruth Umstead.....Clerk, Concessions Stand
Connie KlompClerk
Janna PoelManager

Business Office

Alida Akker.....Clerk, Alumni Office
 Jo Haan.....Secretary to College Relations and Business Officers
 Christine Ham.....Payroll Clerk
 George Kamp.....Statistician
 Elmer Kroeze.....Manager of the Supply Office
 Joe Orlebeke.....Development Representative
 Dorothy Stuursma.....Building Fund Bookkeeper
 Edward Timmer.....Bookkeeper
 Marjorie Vander Meyden.....Clerk, Knollcrest Bookstore-Business Office
 Cora Van Huesen.....Revenue and Student Accounts Clerk
 Florence Wiebenga.....Building Fund Clerk

Chaplain's Office

Josephine Waalkes.....Secretary to the College Chaplain

Data Processing Office

Kathleen Jager.....Keypunch Operator
 Steve Youngsma.....Data Processing Manager

Education Office

Ethel De Leeuw.....Secretary to the Chairman
 Elsie Jansen.....Secretary, Teacher Placement and Certification
 Sue Vander Sloot.....Receptionist and Clerk

Library

Louise Clark.....Assistant
 Edith Kamper.....Assistant
 Marguerite Kamper.....Secretary to the Director
 Carol Van Noord.....Assistant

Physical Education Office

Nancy Rietema.....Clerk

Student Personnel Office

Gretchen Bensema.....Secretary to the Dean of Students
 Jacob Bosscher.....Housing Officer
 Andrew J. Haan.....Counseling and Graduate Placement Clerk
 Janet Dykstra.....Knollcrest Switchboard Operator-Receptionist
 Wilma Ford.....Secretary to the Dean of Women
 John Helder.....Parking Officer
 Margaret Swaagman.....Receptionist, Library Classroom Building; Campus Parking

HOUSING

Deane Koerner.....Resident Director, Franklin Campus Dormitory
 Marie Spaan.....Resident Director, Noordewier-Vander Werp Halls
 Annette Medendorp.....Resident Director, Beets-Veenstra Halls

MAINTENANCE

Peter De Loof.....Chief Engineer

THE FACULTY*

WILLIAM SPOELHOF, Ph.D., *President*

EMERITI

JACOB G. VANDEN BOSCH, A.M., *Professor of English Language and Literature, Emeritus*

ALBERT E. BROENE, A.B., *Professor of Modern Languages, Emeritus*

JOHANNES BROENE, A.M., *Professor of Education and Psychology, Emeritus*

HENRY J. G. VAN ANDEL, A.M., *Professor of Language and Culture of the Netherlands, Emeritus*

PETER HOEKSTRA, Ph.D., *Professor of History and Political Science, Emeritus*

HENRY J. RYSKAMP, Ph.D., *Dean of the College, Emeritus; Professor of Economics and Sociology, Emeritus*

W. HARRY JELLEMA, Ph.D., *Professor of Philosophy, Emeritus*

HENRY VAN ZYL, Ph.D., *Professor of Educational Methods, Emeritus*

HARRY G. DEKKER, M.S., *Registrar, Emeritus; Professor of Chemistry, Emeritus*

EDWIN Y. MONSMA, Ph.D., *Professor of Biology, Emeritus*

HARRY J. WASSINK, A.B., B.S., *Professor of Engineering, Emeritus*

ALBERT H. MUYSKENS, A.M., *Professor of Mathematics, Emeritus*

RICHARD DROST, Ph.D., *Professor of History, Emeritus*

CORNELIUS JAARSMAN, Ph.D., *Professor of Education, Emeritus*

JOHN WEIDENAAR, Th.M., *Associate Professor of Religion and Theology, Emeritus*

HELEN VAN LAAR, A.M., *Assistant Professor of Art, Emeritus*

JOSEPHINE BAKER, A.M., A.M.L.S., *Librarian, Emeritus*

*Alphabetical directory of administration and faculty members is given on page 121.

PROFESSORS

- SEYMOUR SWETS, M.A., *Professor of Music*
- JOHN DE VRIES, Ph.D. (on leave of absence first semester, 1965-'66)
Professor of Chemistry
- WILLIAM T. RADIUS, Ph.D., *Professor of Classical Languages*
- JOHN J. TIMMERMAN, Ph.D., *Professor of English*
- JOHN T. DALING, Ph.D., *Professor of Psychology*
- BERNARD FRIDSMA, Ph.D., *Professor of Modern Languages*
- EARL STRIKWERDA, Ph.D., *Professor of History*
- JOHN H. BRATT, Th.D., *Professor of Religion and Theology*
- LESTER DE KOSTER, A.M.L.S., Ph.D., *Director of the Library; Professor of Speech*
- THEDFORD DIRKSE, Ph.D., *Professor of Chemistry*
- CLARENCE BOERSMA, Ph.D., *Professor of Modern Languages*
- JOHN L. DE BEER, Ed.D., *Professor of Education*
- ENNO WOLTHUIS, Ph.D., *Professor of Chemistry*
- MELVIN E. BERGHUIS, Ph.D., *Vice President for Student Affairs; Professor of Speech*
- JOHN VANDEN BERG, Ph.D., *Vice President and Dean of the College; Professor of Economics*
- CORNELIUS A. PLANTINGA, Ph.D. (on leave of absence second semester 1965-'66); *Professor of Psychology*
- HENRY P. IPPEL, Ph.D., *Professor of History*
- H. EVAN RUNNER, Th.M., Ph.D., *Professor of Philosophy*
- GEORGE G. HARPER, JR., Ph.D., *Professor of English*
- ANN M. JANSSEN, Ph.D., *Professor of Speech*
- WALTER LAGERWEY, Ph.D., *Professor of Modern Languages*
- ROBERT T. OTTEN, Ph.D., *Professor of Classical Languages*
- BARNEY STEEN, Ed.D., *Professor of Physical Education*
- JOHN VAN BRUGGEN, Ph.D., *Professor of Education*
- JOHN HAMERSMA, S.M.D., *College Organist; Professor of Music*
- PETER OPPEWALL, Ph.D., *Professor of English*
- RICHARD R. TIEMERSMA, Ph.D., *Professor of English*

- STEVE J. VAN DER WEELE, Ph.D., *Professor of English*
 HERMAN BROENE, Ph.D., *Professor of Chemistry*
 CARL J. SINKE, Ph.D., *Professor of Mathematics*
 TONY BROUWER, Ph.D., *Professor of Economics*
 CLIFTON J. ORLEBEKE, Ph.D., *Professor of Philosophy*
 M. HOWARD RIENSTRA, Ph.D., *Professor of History*
 LEWIS B. SMEDES, Th.D. (on leave of absence first semester 1965-'66) ;
Professor of Religion and Theology
 CHARLES J. MILLER, Ph.D., *Professor of History*
 NICHOLAS P. WOLTERSTORFF, Ph.D. (on leave of absence second semester, 1965-'66) ; *Professor of Philosophy*
 TUNIS PRINS, Ph.D., *Professor of Philosophy*
 BERT P. BOS, Ed.D., *Administrative Director of Student Teaching*
 DIRK W. JELLEMA, Ph.D., *Professor of History*
 ALVIN C. PLANTINGA, Ph.D., *Professor of Philosophy*

ASSOCIATE PROFESSORS

- MARTIN KARSTEN, M.S., *Associate Professor of Biology*
 JOHN TULS, A.M., *Secretary of the Faculty; Associate Professor of Mathematics*
 JAMES J. DE JONGE, M.S., M. Mus.; *Associate Professor of Music*
 THEODORE A. ROTTMAN, Ph.D., *Associate Professor of Sociology*
 BERNARD TEN BROEK, Ph.D., *Associate Professor of Biology*
 ROELOF J. BIJKERK, Ph.D., *Associate Professor of Psychology*
 GORDON J. SPYKMAN, Th.D., *Associate Professor of Religion and Theology*
 STANLEY M. WIERSMA, Ph.D., *Associate Professor of English*
 DONALD OPPEWAL, Ph.D., *Associate Professor of Education*
 J. MARION SNAPPER, Ed.D., *Associate Professor of Education*
 PAUL J. ZWIER, Ph.D., *Associate Professor of Mathematics*
 ROGER D. GRIFFIOEN, Ph.D., *Associate Professor of Physics*
 GORDON L. VAN HARN, Ph.D., *Associate Professor of Biology*
 EDWIN J. VAN KLEY, Ph.D., *Associate Professor of History*

CLARENCE VOS, Th.M. (on leave of absence 1965-'66); *Associate Professor of Religion and Theology*

RICHARD F. WEVERS, Ph.D., *Associate Professor of Classical Languages*

THEODORE MINNEMA, Th.D., *Associate Professor of Religion and Theology*

WILLIS P. DE BOER, Th.D., *Associate Professor of Religion and Theology*

HENRIETTA TEN HARMSSEL, Ph.D. (on leave of absence 1965-'66); *Associate Professor of English*

CORRINE E. KASS, Ph.D., *Associate Professor of Education*

KENNETH KUIPER, Ed.D., *Associate Professor of English*

JOHN H. PRIMUS, Th.D., *Associate Professor of Religion and Theology*

ALBION KROMMINGA, Ph.D., *Associate Professor of Physics*

ASSISTANT PROFESSORS

GERTRUDE SLINGERLAND, A.M., *Assistant Professor of English*

HENRY BENGELINK, M.S., *Assistant Professor of Biology*

CATHERINE W. VAN OPYNEN, A.M., A.M. in Ed., *Dean of Women*

ARTHUR J. OTTEN, M.A., *Assistant Professor of Modern Languages*

HENRY DE WIT, M.B.A. (C.P.A.), *Vice President of Business and Finance; Assistant Professor of Economics and Business Administration*

HAROLD GEERDES, A.M., *Assistant Professor of Music*

JOHN DE BIE, A.M., *Assistant Professor of History*

PHILIP R. LUCASSE, A.M., *Dean of Students*

JAMES BOSSCHER, M.S., *Assistant Professor of Engineering*

DONALD E. PRUIS, M.B.A. (C.P.A.); *Assistant Professor of Economics and Business Administration*

MARTEN VANDE GUCHTE, M.Ed., *Assistant Professor of Speech*

EDGAR G. BOEVE, A.B., M.S.D., *Assistant Professor of Art*

ERVINA BOEVE, A.M., *Director of Drama*

HENRY HOLSTEGE, JR. A.M., *Assistant Professor of Sociology*

ERNEST VAN VUGT, M.A., *Assistant Professor of Classical Languages*

JOHAN G. WESTRA, M.A., *Assistant Professor of History and Political Science*

WINIFRED HOLKEBOER, A.M., *Assistant Professor of English and Modern Languages*

LEONARD A. VANDER LUGT, M.S., *Assistant Professor of Chemistry*

BERNARD KREUZER, M.A., *Assistant Professor of Modern Languages*

GERTRUDE VANDER ARK, A.M., Ed.S., *Assistant Professor of Education*

WALLACE H. BRATT, A.M. (on leave of absence 1965-'66); *Assistant Professor of Modern Languages*

ALAN I. GEBBEN, M.A., M.S., *Assistant Professor of Biology*

MARVIN A. ZUIDEMA, M.A., *Assistant Professor of Physical Education*

PETER P. DE BOER, A.M. (on leave of absence 1965-'66); *Assistant Professor of Education*

BERNARD E. PEKELDER, Th.B., M.A., *College Chaplain*

GEORGE HARRIS, A.M., *Assistant Professor of Classical Languages*

DAVID VILA, B.D., M.A., *Assistant Professor of Modern Languages*

AL D. BRATT, Ph.D., *Assistant Professor of Biology*

DENNIS HOEKSTRA, B.D., Ed.D., *Assistant Professor of Education*

DAVID E. HOLWERDA, Th.D., *Assistant Professor of Religion and Theology*

LOUIS KUIPERS, M.B.A. (C.P.A.); *Assistant Professor of Economics*

LEONARD SWEETMAN, JR., ThB., *Assistant Professor of Religion and Theology*

DONALD R. WILSON, A.M. (on leave of absence 1965-'66); *Assistant Professor of Sociology*

ROBERT BOLT, Ph.D., *Assistant Professor of History*

PAUL BOONSTRA, A.M., M.S., *Assistant Professor of Mathematics*

JAMES H. DE BORST, A.M., *Assistant Professor of Political Science*

ALFRED J. REYNOLDS, Ph.D., *Assistant Professor of Psychology*

ROBERT SWIERENGA, Ph.D., *Assistant Professor of History*

LOUIS A. VOS, Th.D., *Assistant Professor of Religion and Theology*

G. RODERICK YOUNGS, Th.B., Ed.D., *Assistant Professor of Education*

INSTRUCTORS

- DAVID B. TUUK, M.A., *Instructor in Physical Education*
 ANNETTE BUURSTRA, A.B., A.M.L.S., *Librarian*
 BARBARA SLUITER, A.B., A.M.L.S., *Librarian*
 BEVERLY J. KLOOSTER, M.S., *Instructor in Biology*
 MILDRED ZYLSTRA, A.B., A.M.L.S., *Instructor in English*
 HERBERT J. BRINKS, A.M., *Instructor in History*
 WILLIAM C. HENDRICKS, M.A., *Supervisor of Student Teaching*
 LARRY R. NYHOFF, M.S., *Instructor in Mathematics*
 THOMAS J. OZINGA, M.A., *Instructor in Speech*
 ROBERT A. JENSEN, M.F.A., *Instructor in Art*
 RODGER R. RICE, M.A., *Instructor in Sociology*
 BERNARD VAN'T HUL, M.A., *Instructor in English*
 DORIS ZUIDEMA, M.A., *Instructor in Physical Education*
 CONRAD BULT, A.M.L.S., A.M., *Librarian*
 DONALD BYKER, A.M., *Instructor in Speech*
 PETER A. DE VOS, M.A., *Instructor in Philosophy*
 CORNELIUS P. HEGEWALD, M.A., *Instructor in Modern Languages*
 GERTRUDE ANN HUISMAN, A.M., *Instructor in Music*
 GEORGE M. MARSDEN, B.D., A.M., *Visiting Instructor in History*
 HANNA ROSENBOOM, A.M., *Visiting Lecturer in Modern Languages*
 PETER VANDE GUCHTE, M.B.A., *Registrar*
 MYRTLE VAN LAAR, A.M.L.S., A.M., *Librarian*
 ARNOLD VELDKAMP, M.A., *Instructor in Mathematics*
 A. DONALD VROON, A.M., *Instructor in Physical Education*
 MARY ANN WALTERS, M.A., *Instructor in English*
 LOIS ANN WESTRA, M.A., *Instructor in Modern Languages*
 MARVIN MONSMA, M.A., *Assistant Librarian*

ASSISTANT INSTRUCTORS

- D. JOE KRAJENBRINK, M.A., *Assistant Instructor in Modern Languages*
 BETTY BLANKESPOOR, A.M., *Assistant Instructor in English*

LENORE BRASHLER, A.M., *Assistant Instructor in Modern Languages*

MARGARET DE BOER, A.B., *Assistant Instructor in Biology*

JOSEPH HAMILTON, Ed.M., *Assistant Instructor in Education*

KAREN TIMMER, M.S., *Assistant Instructor in Physical Education*

DAVID VAN HOUTEN, A.M., *Assistant Instructor in English*

ASSISTANTS

GERRIT D. GROEN, A.B., *Assistant in History*

ELAINE M. PETERSON, A.B., *Assistant in Modern Languages*

EUNICE BOLT, Three-Year Certificate in Industrial Design, A.B., *Assistant in Art*

HERMINE VAN NUIS, A.B., *Assistant in English*

Committees of the Faculty

1. ATHLETICS — Tuls, *Chairman and Faculty Representative on the M.I.A.A. Board*; Karsten, Klooster, Kuipers, Vander Lugt, Vander Wall.
2. COMPREHENSIVE EXAMINATIONS — J. Vanden Berg, *Chairman*; Boersma, Brouwer, De Beer, De Vos, Griffioen, A. Otten, R. Otten, Swierenga.
3. COORDINATING COMMITTEE ON TEACHER EDUCATION — Vanden Berg, *Chairman*; De Bie, Minnema, Slingerland, Snapper, Ten Broek, Van Bruggen.
4. COUNSELING AND GUIDANCE — Berghuis, *Chairman*; Holkeboer, Kreuzer, Nyhoff, Reynolds, Rice, Rottman, Sweetman.
5. CURRICULUM STUDY — Wolterstorff, *Chairman*; Harper, Miller, Spykman, Van Harn; and Dean of the College, and President or their representatives.
6. DISCIPLINE — H. Rienstra, *Chairman*; W. De Boer, Gebben, Harris, Hoekstra, Janssen, Tuuk, M. Vande Guchte, Van Vugt; Berghuis, as Vice President for Student Affairs.
7. EDUCATIONAL POLICY — Vanden Berg, *Chairman*; Sinke, *Smedes, Strikwerda, Tiemersma, Wolterstorff, Wolthuis.
8. FACULTY SOCIAL AND SPECIAL ACADEMIC ACTIVITIES — Berghuis, *Chairman*; Ed Boevé, A. Bratt, Geerdes, Orlebeke, Ozinga, Radius, Slingerland, Vander Ark.
9. LIBRARY — Van Der Weele, *Chairman*; Hamersma, Kromminga, Van Kley, Wevers.
10. PRE-SEMINARY ADVISORY — Bos, *Chairman*; Berghuis, Bijkerk, Bosscher, Brinks, Holwerda, D. Oppewal, Primus, Spykman, Youngs.
11. SCHOLARSHIP — Berghuis, *Chairman*; (Lautenbach, Secretary), Brouwer, Dirkse, Ippel, Jellema, A. Plantinga, Westra; Miller, when 3-year M.A. Program is being discussed.
12. STUDENT PUBLICATIONS — J. Bratt, *Chairman*; De Bie (Prism), Miller (Chimes), Wiersma (Loci).
13. STUDENT RELIGIOUS AND SOCIAL ACTIVITIES — Lucasse, *Chairman*; R. Bolt, De Jonge, Hendricks, Kass, Pekelder, Steen, Van Opynen, Vila, L. Vos.

*On leave of absence first semester, 1965-'66.

Division and Department Chairmen for 1965-'66

For the purpose of integrating the work of the various departments within a division and the work of the division with the broader educational objectives of the school as a whole, the various courses and departments are grouped under four large divisions as follows:

1. **Division of Education, Physical Education, Philosophy, and Religion and Theology** — DR. BRATT, *Chairman*.
 - a. Department of Education — DR. VAN BRUGGEN, *Chairman*.
 - b. Department of Philosophy — DR. PRINS, *Chairman*.
 - c. Department of Physical Education — DR. STEEN, *Chairman*.
 - d. Department of Religion and Theology — DR. BRATT, *Chairman*.

2. **Division of Language, Literature, and Arts** — DR. RADIUS, *Chairman*
 - a. Department of Art — PROF. BOEVE, *Acting Chairman*.
 - b. Department of Classical Languages — DR. RADIUS, *Chairman*.
 - c. Department of English — DR. TIMMERMAN, *Chairman*.
 - d. Department of Modern Languages — DR. FRIDSMA, *Chairman*.
 - e. Department of Music — PROF. SWETS, *Chairman*; DR. HAMERSMA, *Co-chairman*.
 - f. Department of Speech — DR. BERGHUIS, *Chairman*.

3. **Division of Natural Science and Mathematics** — DR. SINKE, *Chairman*
 - a. Department of Biology — DR. TEN BROEK, *Acting Chairman*.
 - b. Department of Chemistry — DR. DIRKSE, *Chairman*.
 - c. Department of Engineering — PROF. BOSSCHER, *Acting Chairman*.
 - d. Department of Mathematics — DR. SINKE, *Chairman*.
 - e. Department of Physics — DR. GRIFFIOEN, *Acting Chairman*.

4. **Division of Social Sciences** — DR. IPPEL, *Chairman*
 - a. Department of Economics — DR. BROUWER, *Chairman*.
 - b. Department of History and Political Science — DR. IPPEL, *Chairman*.
 - c. Department of Psychology — DR. DALING, *Chairman*.
 - d. Department of Sociology — DR. VANDEN BERG, *Chairman*.

COLLEGE HISTORY, OBJECTIVES, AND CONTROL

History

The year 1876 is commonly accepted as the birth date of Calvin Seminary and Calvin College. It was in that year that the Synod of the Christian Reformed Church discontinued the tutorial system of instructing young men who felt called to the ministry of the gospel and appointed a full-time "Docent" or instructor. This Synod also adopted a six-year curriculum, the first four of which constituted the Literary Department and the last two the Theological Department. Humble indeed was the beginning, but an institution had been established, the Theological School of the Christian Reformed Church.

The lone instructor taught all subjects, both literary and theological, for several years before two additional members were added to the teaching staff. In 1894, Synod, in compliance with requests from its constituents, made two momentous decisions, momentous in those early years; first, it granted permission to admit to the Literary Department other than pre-theological students; secondly, it enlarged the Faculty to five members, assigning the new appointees exclusively to the Literary Department. This Literary Department thus rapidly developed into an institution of the type of the preparatory schools or academies that had sprung up throughout the New England states in the early decades of the 19th century.

Although the doors had now been opened for the admission of other than theological students, for reasons obvious today none sought admission to the preparatory school. The curriculum of the Literary Department was heavily weighted with courses in languages, such as Dutch, German, Latin, Greek, and even Hebrew. Such a program did not appeal to the non-theological student. Consequently in 1900, the literary or preparatory course was liberalized and broadened, and students interested in teaching or preparing themselves for pre-professional courses in the universities soon began to fill the classrooms and lecture halls.

Although the early requirement for admission to the Theological Department was four years of preparatory training, it was realized that the future ministers of the church should have a broader intellectual and cultural background, and so a fifth, and by 1906 a sixth, year was added. In 1906, the Literary Department, now consisting of four years of preparatory and two years of college work, became known officially as the John Calvin Junior College. Four years later, in 1910, a seventh year was added and, by 1920, the Junior College had become a full-grown, four-year liberal arts college and had assumed the name, Calvin College. Its first president was appointed in 1919, and the Bachelor of Arts degree was first awarded in June, 1921. The college curriculum was broadened to meet the needs of the increasing number of young men and women who sought permission to enroll as students. The Faculty has gradually increased. In the year 1964-'65 the Faculty consisted of 128 full-time and 31 part-time members.

What had been the preparatory department was discontinued in 1921 when the last Freshman class was admitted. Those registered previous to this date were permitted to complete the four-year program, and thus, by 1925, only students of college level remained on campus.

The school which had started with seven students in 1894 grew slowly during the first three decades, but by 1915 had a student total of 300, including 239 in the Preparatory Department and 61 in the College. The following figures indicate the growth.

<i>Year</i>	<i>Preparatory School</i>	<i>Junior College</i>	<i>Four-Year College</i>
1910	161	33	—
1915	239	61	—
1920	131	—	122
1930	—	—	358
1940	—	—	499
1950	—	—	1270
1955	—	—	1541
1957	—	—	1751
1958	—	—	1791
1959	—	—	1908
1960	—	—	2015
1961	—	—	2232
1962	—	—	2412
1963	—	—	2537
1964	—	—	2526
1965	—	—	2651

Between 1920 and 1940 the student body had increased fourfold. Then came the tidal wave of enrollments, so that today over 2,500 young men and women are taking advantage of the educational programs which Calvin offers.

In 1961 construction began on the first college building located on the Knollcrest Campus. The freshman class which entered Calvin College in September 1962 was the first to use the new Library-Classroom Building and to occupy the new Knollcrest residence halls. The new Physical Education Building will be ready for use in September, 1965.

Aim and Purpose

Calvin College is a church-related college existing under the auspices of the Christian Reformed Church, a Protestant denomination which has adopted as its standards the Belgic Confession, the Heidelberg Catechism, and the Canons of Dordt. The members of the faculty endorse and affirm the following statement which they acknowledge without reservations as a statement of their task and goal as Christian teachers:

“According to the constitution all instruction given must be in harmony with Reformed faith. The various branches of study, therefore, are considered from the standpoint of faith and in the light of Calvinism as a life and world view. The aim of the College is to give young people an education that is Christian, in the larger and deeper sense that all the class work, all the students’ intellectual, emotional, and imaginative

activities shall be permeated with the spirit and teaching of Christianity."

Members of the Faculty acknowledge and in all their teaching are guided by certain basic Christian principles, among which are the following:

- a. "That all instruction at Calvin College must be under the absolute Lordship of the Christ."
- b. "That the Bible, the infallible Word of God, is our rule and guide in faith and life, doctrine, and conduct."
- c. "That all thinking is determined by presuppositions and that all teaching at Calvin must be determined by the presuppositions of the Christian Faith as set forth in our Reformed standards."

The College admits to its student body young men and women who are affiliated with orthodox Protestant Christian churches. It seeks to develop in its students a sense of genuine personal piety, of personal integrity, and of social responsibility. It strives to emphasize that service to God and fellow man is possible and necessary in all professions and activities. It aims to maintain high standards of scholarship and ethical conduct, both in the faculty and student body, in the spirit of the ideals of its founders.

Control and Government

Calvin College is controlled by the Synod of the Christian Reformed Church through a Board of Trustees, consisting of ministers elected by the various classes and approved by Synod, and laymen elected by the Synod. This Board meets in February and May of each year. An Executive Committee which meets monthly functions for the Board throughout the school year.

Accreditation

Calvin College is fully accredited by the North Central Association of Colleges and Secondary Schools. It is also accredited by the American Chemical Society and by the National Council for Accreditation of Teacher Education. It is on the American Association of University Women list of institutions qualified for membership in the Association. It maintains membership in the American Council on Education, the Association of American Colleges, American Association of Colleges for Teacher Education, College Entrance Examination Board, National Education Association, and the American Mathematical Society. Calvin College graduates are admitted to the leading graduate and professional schools.

The Calvin Alumni Association

The Calvin Alumni Association is composed of all students who have studied one year or more at Calvin College, Calvin Seminary, the

Normal Department, or the Preparatory School, and all faculty members of these institutions. The purpose of this Association is to provide an avenue whereby the alumni can indicate their attitude of continued loyalty to Calvin College and Seminary, and to demonstrate this loyalty concretely by performing appropriate services in response to the needs of the school.

The Association is governed by an Alumni Council, elected by the members, which meets once a year, and its business is conducted by the Executive Board of the Alumni Council which meets bi-monthly. The Alumni Association maintains an office on the college campus where records are maintained and the business of the Association is conducted.

ADMISSIONS POLICIES AND PROCEDURES

College Entrance Examination Board Scholastic Aptitude Test

All applicants for admission to the freshman class are required to take the Scholastic Aptitude Test of the College Entrance Examination Board. The fee for this test is \$4.50 payable to the College Entrance Examination Board. Applications are available in the office of any high school principal. As the name indicates, the Scholastic Aptitude Test is a test of the candidate's aptitude for college studies. It calls for no special preparation other than that which college-bound students receive in the regular class work of their secondary school. During the academic year 1965-'66, the Scholastic Aptitude Test of the College Entrance Examination Board will be given on the following dates:

Saturday, December 4, 1965	Saturday, May 7, 1966
Saturday, January 8, 1966	Saturday, July 9, 1966
Saturday, March 5, 1966	

By requiring this test the College obtains helpful and uniform counseling data on all entering students before they arrive on the campus at the beginning of the academic year to plan their program of freshman studies.

Applicants make all arrangements for taking the Scholastic Aptitude Test directly with the College Entrance Examination Board authorities. Applicants who live in the Middle West, the South, or the East in the United States and Canada, should address their inquiries to the College Entrance Examination Board, Box 592, Princeton, New Jersey. Applicants living in New Mexico, Colorado, Wyoming, and Montana and other states to the West, and those living in the Canadian provinces of Manitoba and Northwest Territory, and other provinces to the West, as well as applicants residing in Mexico, Australia, New Zealand, Tasmania, Japan, Formosa, and the Philippines, should address their inquiries to the College Entrance Examination Board, Box 1025, Berkeley, California 94701. Applicants residing in all other foreign countries, should address their inquiries to the College Entrance Examination Board, Box 592, Princeton, New Jersey. Requests to take this test should, in general, be received by the College Board four weeks in advance of the date on which the test is scheduled to be given.

Since the test scores form part of the data to be submitted at the time of application, it is necessary that the applicant take the test early. The applicant should arrange, if at all possible, to take the test in December or January.

Applicants for scholarships must take the test in December in order to meet the Scholarship Committee deadline of January 1.

Application for Admission or Readmission

Applicants seeking admission for the first semester must submit all of their application credentials, including their scores on the Scholastic Aptitude Test, to the Office of Admissions by June 15. Those seeking

admission for the second semester must submit all of their application credentials, including their scores on the Scholastic Aptitude Test, by November 15. No application postmarked after these dates will be processed unless accompanied by a \$10 late application fee. After August 1, no application will be processed for the first semester; after January 1, no application will be processed for the second semester. Since the applications must be made on the forms provided by the College, the applicant should send for these early. The necessary forms consist of:

- Application for Admission
- Applicant's Personal Record
- Secondary-School Record
- Pastor's Recommendation
- Student Health Record

One who intends to study for the ministry must present a recommendation from his consistory, endorsing him for the ministry, in addition to the pastor's recommendation. This form will be mailed to the consistory by the College after the applicant has been accepted for admission.

When all of the application forms and the scores on the Scholastic Aptitude Test have been received by the Office of Admissions, the Director of Admissions will notify the prospective student regarding his status of admission. At the time that an applicant is granted admission, he will also be assigned his permanent student number. Applicants who are admitted for the fall semester will receive a communication during the month of August informing them when to report for Orientation and Registration.

Prospective students should not apply for admission to Calvin College until they have reached their senior year in high school. Subjects which are in progress during the student's senior year must be included on the transcript of the high school record.

Applicants wishing to take the Nursing Program must make application with the Director of the School of Nursing at Blodgett Memorial Hospital. This application should be submitted during the early part of the senior year in high school. No application will be acted upon until all forms are at Blodgett. Admission to the Nursing Program is determined by the Admissions Committee of the Blodgett Memorial Hospital School of Nursing.

A student who withdraws from College and later wishes to re-enroll should make formal application on a readmission form provided by the College. Students seeking readmission for the first semester must submit their applications by July 1. Students seeking readmission for the second semester must submit their applications by December 1.

Freshman Standing

Students will be admitted to Freshman standing by plan A, B, or C.

PLAN A

1. The applicant for admission must submit a transcript from an accredited school.

2. Amount of work. This transcript must testify to the satisfactory completion of 15 units of work. By a unit of work is meant the equivalent of five recitations a week for 36 weeks in one branch of study.

3. Prescribed work. The 15 units required for admission must include four sequences, two major sequences and any two minor sequences, selected from the five groups listed below. A major sequence consists of a minimum of three units, a minor sequence of a minimum of two units.

I. ENGLISH

A major sequence of at least 3 units is required 3

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

A. FOREIGN LANGUAGE GROUP

A sequence consists of work in a single language, not in the combination of two languages. The foreign languages acceptable are: Greek, Latin, French, German, Spanish, and Dutch 0, 2, 3

Prospective college students are urged to submit two units of a foreign language for college admission.

B. MATHEMATICS-PHYSICS GROUP

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

Advanced Algebra $\frac{1}{2}$ or 1 unit Trigonometry $\frac{1}{2}$ unit
Solid Geometry $\frac{1}{2}$ unit Physics 1 unit 0, 2, 3

Prospective college students are urged to submit two units of mathematics for college admission.

C. NATURAL SCIENCE GROUP

Biology 1 unit Physics 1 unit
Botany 1 unit Zoology 1 unit
Chemistry 1 unit

0, 2, 3

D. SOCIAL STUDIES GROUP

Ancient history, 1 unit
European history, 1, $1\frac{1}{2}$, or 2 units
American history, $\frac{1}{2}$ or 1 unit
American government, $\frac{1}{2}$ unit
Economics, $\frac{1}{2}$ unit 0, 2, 3
Minimum requirements from above groups 10

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

Total 15

Suggested High School Programs

STUDENTS who expect to pursue in Calvin College any one of the courses listed below are advised to submit for admission the following subjects, if possible:

1—For General A.B., A.B. in Education, Pre-Law, Pre-Nursing, and Pre-Medical Technology courses:

English	3 units
Math.	2 units (Algebra and Geometry)
Latin	2 units
Science	2 units (Biology and Chemistry or Physics)
History	2 units

Plus one additional unit in any of the last four subject areas to make a second major sequence of 3 units. To the total of the 12 units suggested above, four additional elective units may be added of any subjects ordinarily accepted for graduation from high school. (This total assumes that the student is required to complete 16 units for graduation.)

2—For Pre-Seminary course:

English	3 units
German	2 units
Latin	2 units
Math.	2 units (Algebra and Geometry)
Science	2 units (Biology and Chemistry)
History	2 units

Total suggested above: 13 units; additional elective units: 3 units = 16 units.

3—For Pre-Medical and Pre-Engineering courses:

English	3 units
Foreign Language	2 units
History	2 units
Science	3 units (Biology, Chemistry, Physics)
Math.	3½ units (Algebra 2 units, Geometry 1 unit; Trig. ½ unit)

Total suggested above: 13½ units; additional elective units: 2½ units = 16 units.

4—For Pre-Business Administration course:

English	3 units
History	2 units
Foreign Language	2 units
Math.	3 units (Algebra 1½ units, Geometry 1 unit, Trig. ½ unit)
Science	2 units (Biology, Chemistry)

Total suggested: 12 units; additional elective units: 4 units = 16 units.

Also recommended in each of the above courses: Typing.

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

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

PLAN B. ADMISSION BY EXAMINATION. Applicants who are unable to furnish a transcript, and who are therefore unable to meet the first requirement of Plan A, may be admitted if, by passing examinations satisfactorily, they can meet the other requirements of Plan A. This applies especially to applicants who have successfully completed the General Educational Development tests.

PLAN C. PROVISIONAL ADMISSION. An applicant for admission, whether on Plan A or B, who meets all the requirements save that he fails by not more than one unit to satisfy the requirements either as to prescribed work or as to distribution of work, may be admitted provisionally. The deficiency must be removed before the end of the first year of residence. However, applicants are strongly urged to make up any deficiency during the summer preceding their enrollment as Freshmen. Attention is called to the course offerings of the Calvin College summer session.

Admission of Veterans, Children of Disabled Veterans, and Children of Deceased Veterans

Calvin College has been approved by the Veterans Administration as an institution of higher education for the training of discharged servicemen. Veterans and children of disabled or deceased veterans who wish to attend college should contact the nearest regional office of the Veterans Administration.

Veterans will receive credit, as recommended by the American Council on Education, for liberal arts courses taken through the USAFI and for correspondence courses taken from accredited universities. A maximum of 9 semester hours will be given for courses taken through correspondence.

Admission of Foreign Students

Calvin College was approved by the commissioner, Immigration and Naturalization Service, Washington, D.C., December 3, 1947, File Number 56182-720, as an institution of higher education for the training of immigrant students who are in the United States on student visas.

Foreign students should begin making application for admission to college early in their last year of high school. To prevent loss of time they should proceed as follows:

1. Write to the Director of Admissions of Calvin College, declaring their intention of seeking admission, and requesting the necessary application blanks.

2. Immediately make arrangements to take the Scholastic Aptitude Test of the College Entrance Examination Board. All freshmen must submit their scores on the Scholastic Aptitude Test. However, students who qualify for Senior Matriculation or who transfer from another

college or university, having earned at least one semester of credit, are not required to take the Scholastic Aptitude Test.

3. Return all blanks, properly filled in, to the College as soon as possible. This includes official transcripts of all high school or college preparatory records and such credits as were earned on the college or university level.

4. Upon receipt of acceptance for admission from the Director of Admissions of the College, they should immediately make application with the American Consul in the area of their residence, for passport and visa. As soon as the applicant is accepted for admission, the College will send him an I-20 Form.

Advanced Standing

Transfer credit is granted in the following cases:

1. When the applicant submits from an accredited college, junior college, or college of education, a transcript of the courses completed, provided that these courses were of an academic nature, the grades received were "C" or better, and that the student is entitled to honorable dismissal. However, no applicant is allowed more than 16 hours of credit for each semester of work taken at another recognized institution. No more than 70 semester hours of advanced credit will be allowed for work taken at an accredited junior college.

2. When the applicant submits evidence of having satisfactorily completed college credit in courses taken by correspondence at accredited colleges and universities. A maximum of nine semester hours will be allowed for courses taken by correspondence.

3. When a Calvin College student takes courses at another accredited institution which have been approved by the Calvin College Registrar. No credits earned at a junior college, however, will be accepted for transfer after the student has accumulated a total of 70 hours of college credit.

Advanced credit is granted in the following cases:

1. When the applicant, at the time of entrance, satisfactorily passes departmental examinations in the subjects in which he desires advanced standing.

2. When the applicant submits from an accredited high school, in excess of 16 units for admission, credits in academic subjects which are also taught in college; provided that for at least one semester he has successfully continued work in these subjects at Calvin College. The limit of such college credit allowance is six hours.

3. When the applicant submits credits from an accredited high school for work done after graduation, provided these credits are in courses taught in both high school and college. The limit of such college credit allowance is six hours.

4. When the applicant submits evidence of having passed an Advanced Placement Examination of the College Entrance Examination Board with a grade of "3" or better.

Admission to advanced standing does not excuse the student from meeting the specified requirements for graduation from Calvin College.

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 must have their official transcripts submitted to the Office of Admissions.

Exchange of Credits Between College and Seminary

1. A college student may, under the conditions stipulated below, be permitted to take courses for credit in the Seminary. Under no circumstances, however, may the credit earned be applied toward fulfillment of degree requirements in the College if it is also used to meet degree requirements in the Seminary. In other words, the credit may not be counted toward degrees in both College and Seminary.

2. College students may be permitted to enroll in such seminary courses as the Registrar of the Seminary permits them to take and as the Registrar of the College approves. Ordinarily, such courses may not be substituted for courses prescribed in the College to meet degree requirements, either the subject requirements prescribed in the catalog or the major and minor requirements prescribed by the several departments. The subjects must be such as would ordinarily be accepted for credit by the head of the department to whose field the subject would be regarded as belonging.

3. A student enrolled in the College may not take any work in the Seminary for seminary credit without informing the college authorities. No more than six seminary hours may be taken in any given semester.

4. A student enrolled in the Seminary may be given permission to take courses in the College for seminary credit, that is, for credit to be transferred to the Seminary, provided he has received the permission of the Registrar of the Seminary, the Registrar of the College, and the professor whose course is involved.

Special Students

Applicants who meet all of the requirements for admission but who do not desire to become candidates for an academic degree, may be enrolled for such studies as their preparation qualifies them to pursue with profit.

time. The balance of all tuition and fees should be paid by November 15 of the first semester and by April 1 of the second semester. Accounts not paid by these dates are subject to a \$2 Deferred Payment Fee.

HOUSING

Housing and Board for Men

Freshmen and Sophomores — All unmarried freshman and sophomore men students are expected to live in Residence Halls or with their parents unless special arrangements have been made with the Dean of Students. Additional information is sent with the application blanks for admission to the College or on request from the Dean of Students' Office. The cost per year in the residence halls, including meals and free laundry facilities, is about \$775.

Juniors and Seniors — Some out-of-town men students are accommodated in the Franklin Campus Dormitory. Others are housed in private homes in the vicinity of the College. The cost per year in the dormitory, including meals at the Commons, is about \$760.

The office of the Dean of Students keeps on file a list of approved rooming places in the community. The cost of these rooms ranges from \$6 to \$7 per week per person. Out-of-town men students must stay in the dormitory or in a home on the approved list. If the place at which they desire to stay is not on the approved list, they must obtain approval from the Dean of Students before renting the room. Rooming places may be selected during the summer or immediately upon arrival in Grand Rapids for registration. Dormitory application blanks may be obtained by writing to the Dean of Students. Men living in private homes usually eat in the Commons where the cost of food is approximately \$250 per semester.

Housing and Board for Women

Freshmen and Sophomores — All unmarried freshman and sophomore women students are expected to live in college-owned housing or with their parents unless special arrangements have been made with the Dean of Women. Additional information is sent with the application blanks for admission to the College or on request from the Dean of Women's Office.

Juniors and Seniors — For those women students who are unable to secure admission to a college residence hall, or who wish to live in a private home, the Office of the Dean of Women keeps on file a list of approved rooming places, and will do all in its power to obtain for the student the kind of place desired. A city such as Grand Rapids offers excellent opportunity for self-support, especially for young women who desire to work for their room and board. Since it has been found most desirable for students to discuss financial arrangements and other matters with their prospective landladies, the College will not make advance assignments to private homes. Upon arrival in Grand Rapids the student should report to the Dean of Women.

Apartments

A number of apartments are available for Juniors and Seniors who desire to do their own cooking. Permission to stay in an apartment must be obtained from the Dean of Students, for men; and from the Dean of Women, for women students. All apartments must be supervised and on the approved list. Freshmen and Sophomores under 21 years of age are not permitted to stay in apartments.

Payments of Room and Board

Freshmen and Sophomores — All payments for rooms, both College-owned and private, and for meals in the Dining Halls are to be made in advance, and each advance payment must cover at least one quarter of the semester charge. A schedule will be published for each semester listing the due dates of the quarterly payments. It is important that this schedule of payments be followed closely. Accounts not paid on time are subject to a \$2 Deferred Payment Fee.

Juniors and Seniors — Payment for room and board in private homes or apartments, supervised by the landlord living on the premises, is an arrangement between landlord and student. Students are expected to meet these obligations promptly. Payments for room and utilities in apartments with a college-appointed supervisor are made through the college.

All rates quoted for room and board are approximations and are subject to change.

SCHOLARSHIPS AND AWARDS

Calvin College awards approximately 75 scholarships to entering freshmen and a smaller number to upperclassmen. Scholarships are awarded as recognition for academic excellence and are renewable on a competitive basis. Cash stipends given to scholarship winners will vary in amount, depending on the student's need, and such stipends can be supplemented by loans and work opportunities provided by the College. All students holding scholarships awarded by the College are expected to meet part of their expenses through work or loans.

Calvin College participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Scholarship winners—both freshmen and upperclassmen—who apply for scholarship amounts beyond the minimum stipend must submit a Parents' Confidential Statement for processing by the College Scholarship Service.

Freshman Scholarships and Awards

Freshman Scholarships — Calvin College Honor Scholarships. Each year the College awards up to five Honor Scholarships to students of superior academic achievement. The minimum stipend is \$100 and can be supplemented by an additional stipend up to 80% of the student's need and by work opportunities and loans.

Freshman Scholarships — Calvin College Scholarships. These are awarded to entering freshmen who have done excellent work in high school. The minimum stipend is \$50, but this can be supplemented by an additional stipend up to 25% of a student's need and by work opportunities and loans. These scholarships are allocated as follows:

Christian High School Graduates: At least one scholarship will be awarded to a graduate of each of the accredited Christian High Schools in the United States and Canada. Each candidate for the scholarship will be nominated by the faculty of his Christian High School. Calvin College will select the winners. If the nominee of a particular high school does not meet college scholarship standards, he may be eligible to receive a Grant-in-Aid.

Public High School Graduates: A number of scholarships are reserved for graduates of accredited public high schools in the United States and Canada who are members of the Christian Reformed Church.

Undesignated: A limited number of scholarships can be awarded to applicants who do not fall into either of the above categories but who have a special reason for wanting to attend Calvin and who meet all other conditions for an award.

All awards listed above are made in accordance with the following conditions:

1. Applicants should expect to complete a three- or four-year course at Calvin College.
2. Recipient must have fulfilled regular College admission requirements. An Application for Admission, Pastor's Recommendation, Health Record, Applicant's Personal Record, an official high school

transcript, and the scores on the Scholastic Aptitude Test must be submitted before a student is considered for admission.

3. The recipient should have been in residence at the high school from which he graduates for at least his junior and senior years.
4. All applicants are required to take the College Entrance Examination Board Scholastic Aptitude Test. The test should be taken early enough to permit the scores to reach Calvin College by January 1. This means that the test should be taken in December.
5. An applicant must be recommended by the faculty of his high school. This recommendation should attest to the student's scholastic ability, Christian character, personality, and promise of growth.
6. Public High School graduates should give evidence that they were unable to attend a Christian High School because of lack of opportunity. The reasons for not attending a Christian High School should be explained.

Applications will be available after November 1. All applications and recommendations must be received by the Chairman of the Scholarship Committee not later than January 1.

Freshman Pre-Nursing Scholarships. Each year Calvin College offers two scholarships to students who plan to enter the one-year Pre-Nursing Course. One award is made to a graduate of a Christian High School, and one to a graduate of a Public High School, who is a member of the Christian Reformed Church. The stipends and the other conditions are like those for the Calvin College Scholarship described above, except that applicants are not expected to complete a three- or four-year program.

Freshman Scholarship — Certificate of Merit Award Winners. Calvin College offers one of the Calvin College Scholarships described above to each high school graduate who has received a National Merit Scholarship Corporation Certificate of Merit, provided he or she is a graduate of a Christian High School and/or a member of the Christian Reformed Church and has satisfied the other conditions for receiving a College Scholarship described above. The winner of such a certificate who seeks to qualify for the scholarship must notify the Chairman of the Scholarship Committee not later than April 1 of the year in which he is applying for admission and must present a copy of the certificate to the Scholarship Committee. Winners of Letters of Commendation are not eligible.

Julius Bergsma Memorial Awards — The Bergsma Brothers Foundation gives duplicate awards to a young man and a young woman finalist in the Annual Young Calvinist Federation Oratorical Contests. The first-place winner in the men's contest and the first-place winner in the women's contest each receives a \$300 tuition award to Calvin College. Contestants must be members of a Young Calvinist Society which is affiliated with the Young Calvinist Federation, and must participate in the elimination contests specified in the regulations.

In case the first-place winner is not eligible to enter college, the award is kept in trust up to three years. Schooling of contestants must not exceed high school. If the winner does not plan to enter Calvin College or is prevented from doing so, the next ranking contestant becomes eligible for this award. Send for complete details to The Young Calvinist Federation, 2365 Nelson Avenue, S.E., Grand Rapids 49507, Michigan.

The Alvin M. Bentley Foundation Scholarship — Calvin College has been allocated one tuition scholarship, to be awarded each year under the Alvin M. Bentley Foundation Scholarship Plan. The maximum award for a commuting student is \$500, and for a resident student \$750. The award is intended for an outstanding high school senior, who is a resident of the state of Michigan, and who is seeking admission to Calvin College. The same general criteria used in the selection of candidates for other scholarships will be used in the selection of a candidate for the Bentley Scholarship. The student is expected to have outstanding talents, and primary consideration will be given to scholarship, character, personality, and promise of growth. Applications and recommendations must be in the hands of the Chairman of the Scholarship Committee by January 1.

Consumers Power Company Scholarship — The Consumers Power Company offers a scholarship of \$300 annually to an entering Freshman. The scholarship is good for any course of study selected by the student, but the recipient must live in a Michigan area served by the Consumers Power Company. The winner is to be selected by officials of Calvin College, and applications must be in the hands of the Chairman of the Scholarship Committee by January 1.

Detroit Edison Company Scholarship — The Detroit Edison Company offers a scholarship of \$400 annually to be awarded to a high school graduate whose residence is in the area served by the Detroit Edison Company. The scholarship is awarded on the basis of scholastic record, character and personality, citizenship, extra-curricular activity, seriousness of purpose, and financial need. The scholarship is renewable if the student maintains at least a B average.

Applications must be in the hands of the Chairman of the Scholarship Committee by January 1.

General Motors Scholarship — Calvin College has been allocated one scholarship to be awarded each year under the General Motors College Scholarship Plan. This four-year award is intended for a high school graduate who is seeking admission to Calvin College. The applicant must be a citizen of the United States, and is expected to have outstanding talents. Primary consideration in making the award will be given to scholarship, Christian character, personality, and promise of growth. The amount of the award will be based upon the applicant's financial need. In selecting a candidate for this award the College will apply such standards relating to scholarship and all-around ability as it believes to be in keeping with the objective of the General Motors Plan.

High School graduates who fulfill all requirements for admission and who consider themselves eligible for this award should write for application blanks. Applications must be in the hands of the Chairman of the Scholarship Committee on or before January 1.

Classis Muskegon Young Calvinist Alliance Scholarship — The Young Calvinist Alliance of Classis Muskegon of the Christian Reformed Church offers a scholarship or grant-in-aid of \$300, to a Christian or public high school graduate who is or was a member of the Alliance, for study at Calvin College. The award is given to a prospective Freshman or to a current undergraduate student. It is renewable for one year. Applications are received by the Executive Committee of the Young Calvinist Alliance and a nomination of two or three is presented to the Delegate Board, which in turn selects one for the award.

Regulations:

1. The recipient must be a member of the Christian Reformed Church and a member or former member of the Muskegon Young Calvinist Alliance.
2. If in the opinion of the Executive Committee of the Alliance no suitable candidate is available, no award will be made that year.
3. Selection is made on the basis of Christian character and life, loyalty to the church and societies, financial need, intellectual ability, and leadership.
4. A Freshman receiving this scholarship or grant-in-aid must have fulfilled regular college admission requirements.
5. Application for this scholarship must be made by March 1. The applicant should inform the pastor of his church of his interest. Application forms will be forwarded to the applicant.
6. This scholarship or grant-in-aid may be for either Freshmen or upperclassmen.
7. The recipient of this scholarship should expect to complete his course at Calvin College.

Steelcase Foundation Scholarship — The Steelcase Foundation of Grand Rapids, Michigan, offers two scholarships annually, of \$250 each, to applicants for admission to Calvin College who are the children of employees of Steelcase, Incorporated. The scholarships are renewable for three years. Continuation of the scholarship shall require maintenance of at least a C+ average. The winners are to be selected by the Scholarship Committee of the College, and the applicants are to be judged on the basis of scholastic ability, character, and need. If scholarships are not filled by the children of Steelcase, Incorporated, employees, for whatever reasons, the scholarships shall be open to other Michigan residents. Applications must be in the hands of the Chairman of the Scholarship Committee no later than January 1.

George M. Pullman Educational Foundation Scholarships — The George M. Pullman Educational Foundation awards each year a number of scholarships to college students with financial need. Applicants should

be residents of Cook County, Illinois. Non-residents of Cook County, Illinois, are eligible for consideration only if they are sons or daughters of employees of the Pullman-Standard Car Manufacturing Company or of the Pullman Company.

Applications are accepted from entering Freshmen and from current undergraduate students. The application deadline for entering Freshmen is January 15, and for current undergraduate students April 15. High school seniors should obtain information about application procedures from high school placement officials. Other candidates should address their inquiries to the Educational Director, George M. Pullman Educational Foundation, 1451 East 55th Street, Chicago 15, Illinois. The National Merit Scholarship Qualifying Test or the College Board Scholastic Aptitude Test is required of prospective freshman candidates. Arrangements to take either of these tests must normally be made before December of the senior year of high school.

State of Michigan Competitive Scholarships — Each year the Michigan Higher Education Assistance Authority awards a number of state scholarships to beginning freshmen. These scholarships are to be used for tuition and fees and are not to exceed \$800. Scholarship winners must demonstrate college potential and financial need. To be eligible for consideration of a state scholarship, each applicant must: (1) be a continuous resident of Michigan for three years, (2) have successfully completed the program of instruction at a Michigan high school or be currently enrolled as a student at such a school and engaged in a program which will be completed by the end of August, (3) be a person of good moral character, and (4) qualify as a result of his performance on the State Competitive Examination. Additional information and application forms can be secured from the principal's office of any Michigan high school.

Friends of Calvin Tuition Scholarship — Annual, renewable, full-cost tuition scholarships are made available by the *Friends of Calvin* for worthy, needy, Christian Negro students who reside in Grand Rapids and environs. The scholarships are provided for the twofold purpose of giving such students a Christian collegiate education and giving the community competent Christian leadership. Renewal of the scholarships is dependent upon satisfactory performance. The winners are to be selected by the Scholarship Committee of the College, the applicants being judged on the basis of scholastic ability, character, and need. All applications and recommendations must be in the hands of the Chairman of the Scholarship Committee by May 1.

Sophomore, Junior, and Senior Scholarships and Awards

Calvin College Scholarships - Upperclassmen — Each year Calvin College offers a number of scholarships to members of the freshman, sophomore and junior classes who have achieved superior records in their previous college work. Awards can consist of cash stipends up to 25% of a student's need and of work opportunities and loans. Holders of Freshman Honor Scholarships and Calvin College Scholarships, as well as other qualified students, are encouraged to apply for Upperclassman Scholarships.

Awards are made subject to the following conditions:

1. Applicants should expect to be enrolled in a full-time program at Calvin College and to complete a four-year course at Calvin.
2. Applicants should have the recommendation of two members of the Calvin Faculty. Recommendations shall be on the basis of scholarship, Christian character, personality and promise of growth. Only students of high academic rank who may be expected to do superior work in their remaining college years should be recommended.
3. Winners will be selected by the Faculty from among the applicants. The Faculty reserves the right to reject any candidate who may have made application and may have been recommended for a scholarship.
4. Applicants should have been in residence at Calvin College for all their previous college work.
5. Applicants must have their application and recommendations in the hands of the Scholarship Committee not later than April 15.

Calvin College Scholarship - Trinity Christian College Graduate. — Each year Calvin College offers a scholarship similar to the Upperclassman Scholarships to a member of the sophomore class of Trinity Christian College, Palos Heights, Illinois, who has been recommended by the Trinity Faculty. The scholarship can consist of a cash stipend up to 25% of the recipient's need and of work opportunities and loans. The award is made in accordance with the following conditions:

1. The Faculty of Calvin College will select and appoint the winner. If, in the opinion of the Faculty, no suitable candidate is available, no award will be made. The Faculty of Calvin College reserves the right to reject any candidate who may be recommended.
2. The recommendation of the Trinity Faculty shall be on the basis of scholarship, Christian character, personality and promise of growth. Only students of high academic rank who may be expected to maintain a good record at Calvin should be nominated.
3. The recipient should expect to complete a four-year course at Calvin College. He should have been in residence at Trinity College during both his freshman and sophomore years.

4. Recommendations must be in the hands of the Chairman of the Scholarship Committee not later than March 15.

Alumni College - Faculty Memorial Scholarships — The Calvin College Alumni Association each year provides the College, in memory of deceased college faculty members, with three annual scholarship grants of \$300 each, one to be given to a freshman for use in the sophomore year, one to a sophomore for use in the junior year, and one to a junior for use in the senior year.

The rules are as follows:

1. The Faculty of Calvin College, through its Scholarship Committee, will select candidates for the awards; these names will be submitted to the Alumni Association for final selection.
2. If, in the opinion of the Faculty, no suitable candidate is available in a given year, the funds for that year will be added to the Alumni scholarship fund.
3. Application must be made for the award, and recommendation secured from two members of the Faculty. Applications and recommendations must be in the hands of the Chairman of the Scholarship Committee no later than March 15.
4. The recommendation must be on the basis of scholarship, Christian character, promise of growth, and personality.
5. The applicant should have been in residence at Calvin College for at least the preceding year and should expect to complete his college work at Calvin College.

Associated Women Students Scholarship — Each year the Associated Women Students of Calvin College, of which every woman student is a member, offers a scholarship consisting of \$100 per semester for two semesters, to a sophomore woman student for her junior year. The selection of a candidate or candidates for the scholarship is made by the Executive Board of the Associated Women Students, subject to the approval of the Faculty Scholarship Committee. Recommendations shall be on the basis of scholarship, Christian character, personality, promise of growth, and need.

Application blanks may be obtained from the Office of the Dean of Women of Calvin College. Application must be made by March 1.

Dow-Employees Scholarship Fund — The Dow-Employees Scholarship Fund provides Calvin College with an annual scholarship grant to cover an amount approximately equal to the institution's cost of educating a student during the year immediately preceding the year in which the grant is given. The grant will cover the student's tuition as well as the additional cost to the school.

The stipend is to be given preferably to an outstanding science or engineering major in his junior year, or to a major in another department, if the College so elects, for use in his senior year. The recipient must have the ability, initiative, and personality to contribute to his

field in coming years. The recipient is to be selected by the Scholarship Committee of the College, on the recommendation of the department concerned. Departments should submit names and recommendations to the Chairman of the Scholarship Committee by March 15.

Spalink Memorial Missions Scholarship — An annual senior scholarship award of \$500 is presented by Mr. and Mrs. John Spalink, in memory of their son, John Spalink, Jr. Its purpose is to encourage superior students to enter missions. The scholarship is awarded to a junior student of either sex who shows a definite interest in a missionary vocation. The award is given primarily for achievement in scholarship, although other factors, such as financial need, will be taken into account. Generally, members of the Christian Reformed Church who aspire to a career with that church's missions will be shown a certain preference. The Scholarship Committee makes final determination of the award. The rules are as follows:

1. Application must be made no later than March 1.
2. Applications must include the following:
 - a. a statement of mission vocational aims;
 - b. a plan of study.
3. Recommendations from two members of the Faculty must accompany the application.
4. Applicant must be prepared to give evidence of confirmed interest in missions, and the intention to work in missions after training.

Summer School Scholarship — Twelve scholarships in the amount of \$200 each, one for each National Union of Christian Schools district, will be available to Christian school teachers for undergraduate study at Calvin College during the summer of 1966. The National Union and Calvin College each contributes \$1,200 for this undergraduate program. The cash awards must be used for payment of tuition and other expenses involved in work for personal and professional enrichment, work toward the validation of a teaching certificate, or toward a degree at Calvin College.

To be eligible for a scholarship the teacher:

1. Must have completed three years of successful teaching in the Christian schools.
2. Must be able to produce satisfactory evidence of possessing:
 - a. Ability to pursue academic work successfully.
 - b. Qualities of personality, character, and conviction that are assets to a Christian teacher.
 - c. Loyalty to the Reformed faith.
 - d. Superior teaching ability.
3. Must agree to serve a National Union member school at least one year after using a scholarship.
4. Must submit a statement of 250 words or less on the reason(s) for applying for a scholarship.

For details and applications for these scholarships and for grants-in-aid write directly to the Director of Scholarships, National Union of

Christian Schools, 865 - 28th Street, S.E., Grand Rapids, Michigan 49508.

Application must be made by February 1.

Michigan Education Association Scholarship — The Michigan Education Association Scholarship Program provides one \$500 scholarship annually to a worthy and outstanding teacher candidate in each of the institutions of higher education in Michigan whose program of teacher preparation meets the standards of and is approved by the National Council for the Accreditation of Teacher Education. The award recipient must be a full-time student who has completed his basic requirements and has been accepted in the teacher education program. Students interested in this scholarship should contact the Chairman of the Department of Education for further information.

Kent Medical Foundation Grants — Each year the Kent Medical Foundation makes available two tuition grants to qualified students at Calvin College. These grants are designated for students who are residents of Kent County or vicinities bordering thereon and who have not received a professional degree. To qualify for a grant, a student must be matriculated in a health career recognized as scientific in nature. Applications must be in the hands of the Chairman of the Scholarship Committee by June 1.

Music Awards

Anna Bruinsma Award in Music — The interest on \$750, given by the late Mr. H. J. Bruinsma of Grand Rapids in honor of his deceased wife, one of Calvin's alumnae, is to be used in the Department of Music, two-thirds of it serving as first, and the remaining third as second prize. This award is open only to seniors.

Oratorio Society Tuition Scholarships in Music — Five college tuition awards of \$200 each are presented by the Calvin College Oratorio Society to prospective Freshmen. These scholarships are awarded to four instrumentalists and one vocalist who can meet college admission requirements and have records of superior achievement in high school music activities. Recipients must maintain a C average for four semesters and will be expected to participate in the scheduled rehearsals and performances of at least one of the following: Calvin College Band, Orchestra, or Choir.

Vander Heide Voice Award — One tuition award of \$200 is offered annually by Mr. and Mrs. Jan Vander Heide to a vocalist who can meet College admission requirements, and who has a record of superior achievement in high school music activities. The recipient will be expected to participate in the scheduled rehearsals and performances of at least one choral ensemble, and to maintain at least a C average for four semesters. Only Freshmen are eligible. Applicants will be judged on the basis of evidence of talent and financial need.

Application blanks for these awards may be secured from the Music Department after April 1, and must be returned on or before April 22, 1966. Auditions in person or by tape recording will be held May 7, 1966.

Miscellaneous Awards

The Beets Calvinism Award — The late Dr. and Mrs. Henry Beets established a fund which now amounts to \$1,500, 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 a Calvin College student. The prize will be awarded at the discretion of the Bible Department, in consultation with the President of Calvin College. If, during any given year, the Bible Department considers the essays or papers submitted of insufficient merit to deserve the prize, the interest of such a year, or years, will be added to the principal.

The William B. Eerdmans Literary Awards — Mr. William B. Eerdmans, Sr., in the interest of encouraging originally expressive writing among Calvin students, has established the William B. Eerdmans Literary Awards.

Under the terms of the foundation three awards—1st, \$35; 2nd, \$25; 3rd, \$15—will be made for the three pieces judged best among the contributions to *each* issue of the Calvin College *Student Literary Review* published in any given year. Any type of original writing submitted to the *Review* is eligible for an award, whether it be poetry, fiction, or essay, creative or critical, seriously reflective or delightfully amusing.

The Rinck Memorial Award — A fund of \$1,500 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 this fund is devoted to an award for outstanding work in mathematics. The prize is awarded annually to the senior student majoring in the Mathematics Department who has, in the opinion of the members of the Department, done superior work in undergraduate mathematics.

Jewish Evangelization Award — Dr. and Mrs. William J. Yonker, for the year 1965-'66, offer a prize of \$75 for the best essay and a prize of \$25 for the second-best essay on a subject bearing on the Evangelization of the Jews. The contest is open to all college students.

The Edward D. VanderBrug Memorial Award — In memory of Mr. Edward D. VanderBrug, the VanderBrug family has provided two awards to be made annually to students who have done excellent work in the department of education. The awards, consisting of fifty dollars' worth of books, are given, without application, to those two students who, in the judgment of the Department of Education, have shown particular application to their training as teachers and who show strong intention to teach in the Christian schools.

Speech Awards

Baker Extemporaneous Speaking Awards — Through the generosity of the Baker Book House of Grand Rapids, Michigan, credit vouchers for the purchase of books are awarded annually to the first, second, and third place winners in both the men's and women's divisions of the Extemporaneous Speaking Contest. In each division the winners of first, second, and third places are awarded credit vouchers of \$25, \$10, and \$5 respectively. The first place winners of each division represent Calvin at the annual State Extemporaneous Speaking Contest.

Berghuis Forensic Awards — Students who represent the College in State Oratory, Extemporaneous Speaking, and Interpretative Reading Contests, and students who represent the College in the State Debate Tournament are eligible for the Berghuis Forensic Awards. These awards are made in the following manner: for the first year's participation, a silver pin; for the second, a silver pin exchanged for a gold pin; for the third, a ruby is added; for the fourth, two pearls are attached; for the fifth, a diamond is added. If any student represents the College in two activities in one year, he is credited with two awards. These awards are made possible through the generosity of Mr. and Mrs. J. P. Berghuis of Prinsburg, Minnesota.

Broodman Oratorical Awards — Through the generosity of the Dr. G. J. Broodman family of Grand Rapids, Michigan, a gold medal and a \$25 Savings Bond are awarded to the first place winner in a men's oratorical contest. Silver and bronze medals are given annually to the winners of the second and third places, respectively, in a men's oratorical contest. These awards are presented in memory of the late Dr. G. J. Broodman. The first-place winner represents Calvin in the State Oratorical Contest of the Michigan Intercollegiate Speech League.

Drama-Interpretative Reading Awards — An anonymous donor annually presents the Speech Department with \$100 to be used as awards in the areas of drama and interpretative reading. This enables the Speech Department each year to make the following awards:

1. A \$25 award to a Senior student who has done outstanding work in acting in Thespian productions.
2. A \$25 award to a Senior student who has made valuable contributions in the areas of the technical aspects of Thespian productions.
3. \$15 awards to each of the two students selected to represent Calvin College at the League Division of the Annual Interpretative Reading Festival of the Michigan Intercollegiate Speech League.
4. \$10 awards to each of the two students selected to represent our College at the Junior Division of the Annual Interpretative Reading Festival.

Monzma Debate Award — Each year Mr. and Mrs. John W. Monzma, Jr., offer an award of \$100 to an outstanding Calvin College debater. The award is given on the basis of the student's ability as a

debater, his academic record, his character and personality, and his financial need. The Speech Department will select the nominee to receive the annual award.

Thespian Oratorical Awards — The Thespians, dramatics club of Calvin College, offers three awards in oratory for women, of \$15, \$10 and \$5.

The first award winner represents Calvin in the state oratorical contest of the Michigan Intercollegiate Speech League.

Zondervan Peace Oratorical Awards — Through the generosity of the Zondervan Publishing Company of Grand Rapids, Michigan, credit vouchers for the purchase of books are awarded annually to the first, second, and third place winners in both the men's and the women's divisions of the Peace Oratorical Contest. In each division the winners of the first, second, and third places are awarded credit vouchers of \$25, \$10, and \$5, respectively. The first place winners of each division represent Calvin at the annual State of Michigan Peace Oratorical Contest.

Zondervan Peace Extempore Awards — The Zondervan Publishing Company annually awards credit vouchers for the purchase of books to the first, second, and third place winners in both the men's and women's divisions of the Peace Extempore Contest. In each division the winners of the first, second, and third places are awarded credit vouchers of \$25, \$10, and \$5, respectively. The first place winners of each division represent Calvin at the annual State of Michigan Peace Extempore Contest.

Awards for Continuing Graduate and Seminary Study (Available through and at Calvin College)

Dr. Harry Kok Memorial Scholarship — The late Dr. Harry Kok, in his Last Will and Testament, bequeathed to Calvin College certain assets to be used for a scholarship award made annually to a pre-medical student. The award shall normally be made to a graduate of the four-year pre-medical course. The candidate need not necessarily be a graduate of the pre-medical course in the year in which the award is granted.

"Out of the income received from said property there shall be paid, each year for fifteen (15) consecutive years, [beginning September, 1952] a scholarship of \$400 to such male student who has taken his pre-medical work at Calvin College and Seminary and shall be selected by the Board of Trustees thereof, said payment to be made to him upon his matriculation at an accredited medical college which awards the degree of Doctor of Medicine."

Students who are interested must apply to the Chairman of the Scholarship Committee before March 1. Final award need not necessarily be limited to the student who has made formal application.

Board of Trustees Scholarship — Calvin Seminary, under the authority of the Board of Trustees of Calvin College and Seminary, offers a

scholarship consisting of \$500 to a member of the graduating class of Calvin College. The award will be made to a student who plans to enter Calvin Seminary and, eventually, the ministry in the Christian Reformed Church.

Applications should be in the hands of the Chairman of the Scholarship Committee by March 1.

The Dewey and Hattie Battjes Foundation Scholarship—Mrs. Dewey Battjes and her children, through the Battjes Foundation, have offered to award a scholarship, in the year 1965-'66, to a student entering Calvin Seminary. To receive consideration, a student must have been in residence in Calvin College as a pre-Seminary student for not less than the last three years preceding graduation, though exception may be made for a Calvin College graduate who has spent his first two years in a Christian junior college supported by our own Christian Reformed constituency.

Pre-seminary Seniors should not apply directly for this award, since selection of the recipient shall be made by the Scholarship Committee of the College from the list of eligible Seniors. Approval of the committee's choice must be given, however, by the College Faculty, the Seminary Faculty, and the Board of Trustees or its Executive Committee.

University of Michigan State College Fellowship — By action of the Board of Regents, each of the faculties of the accredited colleges of the State of Michigan is authorized to nominate annually to the Executive Board of the Graduate School some member of the graduating class, or some one of its graduates of not more than four years' standing, as a suitable candidate for a State College Fellowship. In each case an alternate may be nominated. All nominations are sent by the College to the Dean of the Graduate School not later than February 15 preceding the academic year for which the recommendation is made; accompanying each nomination should be an official record of the candidate's undergraduate work and three letters of recommendation. The stipend is \$2,000 plus registration fees for two semesters of full-time work.

Students wishing to make application for this fellowship should consult the Coordinator of Graduate School Fellowships, Dr. Charles Miller of Calvin College not later than January 1.

University of Michigan Scholarships for Graduates of the Pre-Engineering Course — The University of Michigan offers a limited number of scholarships to worthy and needy students who have completed their pre-engineering course and who transfer to the University of Michigan to complete their work for an engineering degree. The amount of the scholarship is \$500, or more, a year. These scholarships are offered only to residents of Michigan. Pre-engineering students who are interested should see the Chairman of the Engineering Department or the Chairman of the Scholarship Committee before March 1.

University of Michigan School of Business Administration Tuition Scholarship — This scholarship is awarded annually to a graduate of Calvin College who has majored in Business Administration and who is

recommended for the scholarship by the members of the Economics Department. Seniors who are interested should see the Chairman of the Economics Department before February 15.

Fulbright Scholarship — Awards under the Fulbright Act are a part of the educational exchange program of the Department of State. The objectives of this program are to promote better understanding of the United States abroad, and to increase mutual understanding between the people of the United States and the people of other countries.

Eligibility requirements:

1. United States citizenship.
2. A college degree or its equivalent at the time the award is to be taken up.
3. Knowledge of the language of the country sufficient to carry on the proposed study.
4. Good health.

Students who are interested should confer with the Coordinator of Graduate School Fellowships, Dr. Charles Miller.

STUDENT SERVICES

Financial Aids

The following statements summarize the Financial Aid Program at Calvin College:

Scholarships (see pages 36-49)

Loans

1. National Defense Education Act of 1958 funds are available to U.S. Citizens and Permanent Residents.
2. Calvin Loan Funds are available primarily to non-citizens.
3. Michigan Higher Education Assistance Authority in cooperation with the College guarantees bank loans to Sophomore, Junior, and Senior Michigan residents.
4. United Student Aid Funds, Inc., in cooperation with the College guarantees bank loans to Sophomore, Junior, and Senior U.S. citizens.
5. Emergency Loans for amounts up to \$50 are available from the Kiwanis Club through the office of the Dean of Women or the Dean of Students.

Campus Employment

1. Residence Hall — housekeeping, desk clerk, switchboard
2. Dining Hall — bus boys, waitresses
3. General — clerical, maintenance

Policies

1. Financial Aid is awarded only by action of the Financial Aid Committee.
2. Any full-time student in good standing (including entering Freshmen with regular or provisional admission) may apply for Financial Aid.
3. Loans are granted only in cases of proven financial need.
4. Campus Employment applicants are given priority on the basis of financial need.
5. The Financial Aid Committee reserves the right to suspend any or all aid commitments at any time for reasons which they deem sufficient.
6. Students who receive aid are expected to live economically, and to establish an acceptable record in all phases of college life.

Procedures

1. A student's financial needs over the entire academic year are used as the basis for awarding Financial Aid.
2. A student who wishes to apply for Financial Aid should file an application with the Office of Admissions and Student Financial Aid well in advance of the semester in which he expects to receive assistance.

3. Applications for Financial Aid will be reviewed and awards made beginning June 30 preceding the fall semester for which application is made. Applications received prior to that date will be held until then. Later applications will be acted upon as they are received.
4. An Application for Financial Aid will not be processed until after the student has been accepted by the Admissions Office.
5. Application blanks for Campus Employment are available from the Student Personnel Office.
6. Application blanks for loans can be secured from the Office of Admissions and Student Financial Aid.

Off-Campus Student Employment Service

A *Student Employment Service* is operated under the supervision of the Office of the Dean of Students. Students desiring part-time employment may fill in application cards with this service at the time of registration or at the Employment Desk in the Student Personnel Office any time during the semester. This office has on file the names of business firms and individuals interested in employing students on a part-time basis.

Teacher Placement Bureau

The College maintains a Teacher Placement Bureau, administered by the Director of Student Teaching, to assist graduates in securing teaching positions. Personal data, recommendations from members of the Faculty, and other information relative to the teaching ability of the candidates are made available to school superintendents throughout the United States and Canada. All seniors and graduates of the College who have completed the requirements for teachers' certificates are entitled to use this service without charge. All communications should be addressed to the Teacher Placement Bureau at Calvin College.

Graduate Placement Bureau

Arrangements are made each spring semester by the Student Personnel Office for interviews with prospective employers. The schedule of these interviews is made available to all interested students through the *Inter-Campus Bulletin*.

Student Health Insurance

There is available to all students a Group Accident and Sickness Expense Protection Plan. The premium cost is extremely low considering the coverage that is provided under the plan. A family plan is also available. Although participation is voluntary, the College Administration strongly urges all students not covered by a medical plan to participate. Detailed information is available at the Business Office.

Inter-Campus Bulletin

The *Inter-Campus Bulletin* is published daily and posted in designated places on both campuses. Notices regarding class changes, programs, and information of general interest are included. It is each student's responsibility to read this bulletin each day.

Inter-Campus Transportation

The shuttle bus service is available, free of charge, between campuses and to local churches.

ACADEMIC INFORMATION AND REGULATIONS

Religious Instruction, Worship, and Services

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 students. Nine hours of such religious instruction must be taken during the four college years in accordance with a set program.

Chapel services are held on Monday, Wednesday, and Friday. All students are required to attend these services at times assigned to them.

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

Students attending Calvin College and Seminary who are too far from home to attend services there are expected to transfer their membership to a local church of their own choice; or retain their membership with their home church, but place themselves under the temporary care of one of our Grand Rapids churches. The latter can be done by means of student certificates supplied by the student's own consistory. Either plan must be effected during the first eight weeks of school.

As often as is deemed necessary during the course of the college year faculty counselors have consultations with each student, the aim being to offer, in addition to academic counseling, such help in the moral and spiritual life as the student may need. Conferences with the college chaplain can be arranged by any student during the course of the school year.

The Christian Reformed Church, which sponsors Calvin College, is eager to have all its students live the full, Christian life—a life dedicated to the glory of God and the service of our Lord Jesus Christ—and to resist all manifestations of worldliness.

The College, therefore, expects its students to conduct themselves, both on and off campus, as responsible and committed Christians. As in its academic ideals Calvin College seeks to manifest the profession of Christ, it expects its students to do the same in their personal and social lives.

The College, if necessary, shall refuse admission to, discipline, or request withdrawal of any student who, in the judgment of those delegated to deal with such matters, is guilty of conduct unworthy of the ideals and standards of Calvin College.

College Year

The school year of 36 weeks is divided into two semesters of 18 weeks each. Summer sessions of six and eight weeks are offered each summer.

Two vacations are given during the year: a vacation of two weeks at the Christmas holidays, and a spring vacation of one week. Students are required to remain on duty until the last school exercise preceding a vacation is completed, and to be present at the hour of opening, after a vacation.

The Libraries

The Hekman Memorial Library on the Franklin Campus, and the Knollcrest Library hold a total of more than 145,000 volumes, to which about 8,000 are added annually. Almost 1,000 periodicals are currently received. The Hekman Library houses the Cayvan Collection of some 11,000 phonograph records, and the Curriculum Center for students in education. At the Knollcrest Library are the theological collection, the Freshman library, the Colonial Origins collection of historical documents, the Calvin microfilm collection, and most of the library holdings in bibliography. Library hours during the school year are as follows: 8:00 a.m. to 12:00 p.m., Monday through Thursday (Knollcrest closes at 11:00 p.m.); 8:00 a.m. to 9:30 p.m. on Friday; 8:00 a.m. to 5:00 p.m. on Saturday. Holiday and vacation hours are 8:00 a.m. to 5:00 p.m., Monday through Friday.

In-Service Institute Program

During the 1965-'66 academic year, Calvin College will conduct an in-service institute for secondary teachers of science and mathematics, under the sponsorship of the National Science Foundation. Teachers in grades 7 through 12 in any public, private, or parochial school, who teach at least one course in science and/or mathematics, are eligible to apply for this institute. Two courses in mathematics will be offered in this institute: one in topology and projective geometry, intended primarily for senior high school teachers of mathematics; the other an introduction to modern mathematics, intended primarily for junior high school teachers.

Classes will meet on Saturday mornings from 9 a.m. to 12 noon throughout the academic year. Regular undergraduate credit is offered. Selection of participants for this institute is made from applications submitted by interested teachers. Each teacher selected for the program will receive free tuition and fees, a book allowance, and an allowance toward travel expenses. For additional information and application blanks, write to Director, NSF In-Service Institute Program.

The Psychological Institute

The Calvin Psychological Institute was established in 1964 to provide facilities for the expansion of instructional activities, particularly for the Departments of Psychology and Education, and for research by faculty members and advanced students. The Institute will also provide psychological, educational, and occupational guidance services to the Calvin College student body, to Christian schools, and to individual clients. Beginning in September, 1965, the Institute will be housed in the Professor Johannes Broene Center, located at 752 Gidding Avenue, S.E., Grand Rapids, Michigan 49506. The telephone number is 245-1847.

The staff of the Institute is to be composed of members of the Psychology and Education Departments and certified educational and psychological specialists. The services of consultants from the professions of medicine, psychology and education will also be utilized.

The Institute does not aim at long term treatment for severely emotionally disturbed or retarded individuals. Rather, the main task of the various guidance services is conceived to be guidance in milder emotional and social problems, learning problems, and vocational problems.

Requests for further information should be sent to the director of the Institute, Dr. Roelof J. Bijkerk, Psychology Department.

Michigan Scholars in College Teaching Program

Calvin College is participating in two cooperative programs, one with the University of Michigan and the other with the University of Chicago, leading to an enriched Master of Arts degree for students who look forward to teaching on the college level. These programs, sponsored by the Ford Foundation, are designed to integrate meaningfully the last two years of undergraduate work at our college with the first year of graduate work at the University, with a view toward facilitating the progress of capable students preparing for a career in college teaching.

To be eligible for participation in the program, a student, by the time he is a junior, should:

1. indicate an interest in college teaching as a goal;
2. have, in addition to personal qualifications, an overall academic record of B average or better, and a B+ in his major field;
3. be recommended by his major department.

For further information consult with Dr. Charles Miller, Coordinator, Three-Year M.A. Program.

The Summer Session Program

The program of studies offered during the summer is planned to meet the needs of:

1. Teachers who wish to continue study toward the bachelor's degree.
2. Teachers who desire credits to meet certification requirements.
3. High school graduates who desire to begin college in the summer.
4. Discharged veterans and others who wish to speed up their program.

Credit earned during this session has the same value as credit earned during the year and is transferable to other institutions. The credits are expressed in semester hours.

Health Center

The College provides limited health and medical service for all students. The fee for this service is incorporated in the tuition charge. The Health Center is located on the ground floor of the Dormitory Building on the Franklin Street campus. Its facilities consist of examination room, dispensary, men's sick bay, and women's sick bay. The health service is staffed by a campus nurse on full-time duty, physicians with consultation hours each morning, and a clinical psychologist with consultation hours one day each week. The service is limited to out-patient treatment. All serious medical problems will be referred to the student's family physi-

cian (in the case of in-town students) or to a physician of the student's own choice.

Grades and Honor Points

Grade reports are sent out at the end of each semester. Mid-semester grade reports are prepared for Freshmen only during their first semester of residence at Calvin College.

Each student receives one final grade in each course which he takes. This grade is a combination of the results of classwork, tests and final examination. Grades are indicated by letters. The honor point value assigned to grades is indicated in the following table:

A	Excellent	4
B	Good to very good	3
C	Graduation average	2
D	Unsatisfactory; just passable	1
F	Failure	0
X	Absent from examination	0
I	Incomplete work	0
W	Withdrawn	0
+	Add .3 honor points per registered hour	+ .3
	(effective September, 1962)	
—	Subtract .3 honor points per registered hour	— .3
	(effective September, 1962)	

To meet graduation requirements the student must satisfactorily complete 125 hours of credit with an average of two honor points for each registered hour. Honor points are computed on the basis of registered hours.

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

A student may also repeat a course marked D to improve his grade-point average. A student's grade-point average will be not be changed by repeating a course in which a grade of C- or better has been recorded.

If a student is absent from a final examination the grade X may be given. This grade must be removed by taking the examination at the time scheduled for re-examination. If the examination is not taken within one year, the grade X automatically becomes F.

The number of honor points earned in a course is determined by multiplying the number of honor points received per registered hour by the number of registered hours in a given course. For example, a grade of B in a four-hour course gives 3×4 , or 12 honor points. A grade of B+ in a four-hour course gives 3.3×4 , or 13.2 honor points. A grade of B— in a four-hour course gives 2.7×4 , or 10.8 honor points.

"I" Incomplete

The grade I signifies the absence of a certain amount of reading to be completed, or of papers to be handed in. This grade is given only in cases of prolonged illness and in emergencies, i.e., in circumstances which may reasonably prevent a student from completing his work on time, such as

directed teaching, inability to obtain necessary books, etc. To remove a grade of I or X the student must secure credit for the course by satisfying the instructor *within one year*. Responsibility for securing such credit and for obtaining from the instructor concerned a signed removal slip, without which no change is made in the Registrar's entries, and for presenting such removal slip to the Registrar, *lies with the student*.

Should a student fail to remove the grade of I or X within the allotted time, *the grade automatically becomes F*.

Seniors must have all incompletes removed by May 1 of the year in which they expect to graduate.

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 Registrar of the College and the instructor concerned.

"W" Withdrawn

A grade of W is given in a course when a student officially withdraws from that course or from the College at a time preceding the established date for withdrawing from courses without penalty. A student may not withdraw from a course without penalty after November 1 of the first semester and after March 15 of the second semester.

WP is given to indicate that a student has officially withdrawn from a course after the penalty date and that he was doing passing work in that course when he withdrew.

WF is given to indicate that a student has officially withdrawn from a course after the penalty date and that he was doing failing work in that course when he withdrew.

Grade-point Average

A student's grade-point average may be obtained by dividing the total number of honor points earned by the total number of registered hours for which the student enrolled during any period. Cumulative and current semester totals and grade point averages are indicated on the grade report.

Dean's List

To gain a place on the Dean's List a student must:

1. Have registered for at least 12 hours of work during the semester.
2. Have a grade-point average of 3.50 or higher for the semester, based upon letter grades and pluses and minuses.

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.

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

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

Latest Date of Registration

No student will be permitted to enroll after the first week of classes without the permission of the Registrar.

Schedule Changes

No schedule changes will be permitted after the second week in any semester.

Dropping of Courses

After the second week of classes no student may drop a subject without the approval of his faculty counselor and the Registrar. Such permission will be granted only in exceptional cases after November 1 of the first semester and after March 15 of the second semester.

Auditing a Course

To audit a course a student must meet the requirements for admission to Calvin College. There is no additional charge for full-time students. The fee for students who are not enrolled full time will be one-half of the regular hourly charge. Anyone desiring to audit a class should make application for this at the time of registration. No one will be permitted to audit a class unless he has the permission of both the Registrar and the instructor of the class.

Auditors are required to attend class and conduct themselves in class just as if they were full-time students working for credit. They are not required to take tests or final examinations and do not receive credit.

Class Visitors

Under certain conditions, students may attend classes as visitors. Permission to do so must be obtained from the Registrar.

Dismissal

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

Withdrawal During a Semester

Students who desire to discontinue College during a semester must present a Withdrawal Request at the Registrar's Office signed by either the Dean of Students or the Dean of Women. The student's parents will be notified of his withdrawal.

Use of Automobiles

Automobiles owned or operated by Calvin students must be properly registered with the College and carry an official college automobile permit. They may be parked only in approved parking places when in the vicinity of the campus.

All students may apply for college automobile permits. It is within the discretion of the college administration to disqualify any applicant by

reason of demonstrated academic or financial deficiency. The fee for each permit is \$3 per year.

Students are held responsible for full knowledge of these approved parking places as well as all other student automobile regulations. The use of an automobile not properly registered, as well as all parking violations, will be dealt with by means of established financial penalties, and also, if necessary, by stringent action of the Discipline Committee.

Injuries Sustained While Attending Calvin College

All students are reminded that ordinarily the College is not liable for injuries sustained by students in their activities as students, even though such injuries occur upon the college premises; for example, in required laboratory work or physical education classes. The College does not undertake to be an insurer of its students. The liability of the College under the law must be based on fault. It is necessary, in order to establish liability of the College for such injuries, not only to prove negligence or carelessness on the part of the College, but also to show that the student was free from any negligence or carelessness which might have contributed to the injuries.

Because of this fact, any liability insurance policy which the College might have does not and cannot provide reimbursement for medical costs resulting from such injuries. Hence, each student or prospective student is urged to review his personal health and accident insurance status. If he is no longer covered by his father's family plan (normally coverage expires upon reaching the age of 19), and he does not have an individual policy, we suggest that he participate in the Student Group Plan available through the College.

Contact the Business Office for details.

REQUIREMENTS FOR GRADUATION

The College graduates students from the following courses: General College, Education, Pre-Medical, Pre-Dental, Pre-Law, Pre-Engineering, and Pre-Medical Technology.

Every student (except those few who register as "special") must, in addition to the required physical education (see page 61), fulfill the requirements of the course and curriculum from which he elects to graduate. The requirements in each course are listed below.

All full-time students registered at Calvin College are required to take courses in Religion and Theology. This requirement must include Religion and Theology 301. Students in residence for a full year are required to complete three semester hours; those in residence for two years at least six semester hours; those in residence three or four years at least nine semester hours.

By a SEMESTER 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 COURSES OF INSTRUCTION.

All prescribed freshman and sophomore courses must be completed in the first two years. This includes required physical education.

A student enrolling for more than 18 hours a semester must have the approval of his academic counselor or the Registrar.

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

Every candidate for a baccalaureate degree, a three-year pre-professional diploma, or a provisional teacher's certificate must file an application to graduate, in the Registrar's Office, not later than the beginning of the semester or summer session in which he expects to receive his degree or certificate.

BACHELOR OF ARTS - GENERAL COLLEGE COURSE

The requirements for the Bachelor of Arts - General College Course degree apply to all four-year students who complete the curricula outlined below:

General College	Pre-Law
Pre-Seminary	Pre-Engineering
Pre-Medical	Pre-Business Administration
Pre-Dental	Music Major

General College

1. AMOUNT AND GRADE OF WORK. The student must complete 125 hours of work with an average grade of C. Honor points are computed on the basis of registered hours.

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

Religion and Theology 103, 206, 301	9
English 103, 104	6
History (101, 102 for entering Freshmen)	6
Philosophy (not including Logic)	6
*Mathematics 109, Physical Science 110, Biological Science 111	12
Foreign Language	(see following explanation)
Physical Education	(See page 61)

FOREIGN LANGUAGE REQUIREMENTS

- a. Students will be required to complete the equivalent of two years (four semesters) of one foreign language and one year (two semesters) of a second foreign language. One of these must be an ancient language and the other a modern language.
- b. Students who have earned credit for foreign language in high school may have this credit applied toward the fulfillment of the college language requirement. For the purpose of evaluating high school credit in a foreign language, one year of foreign language in high school will be regarded as the equivalent of one semester in college. However, a foreign language taken in high school is not credited toward a major or a minor nor toward the 125 hours required for graduation.
- c. The foreign language requirements must be completed by the end of the sophomore year.
- d. In exceptional cases, the Registrar of the College may approve a deviation from any or all the above rules.

3. DISTRIBUTION OF WORK. MAJORS AND MINORS

All students pursuing the course leading to a General College A.B. degree must, not later than the beginning of their junior year, apply to the chairman of the department of their selection for permission to major or to concentrate in that department. The department chairman, on accepting the application, will outline the student's program of major and supporting courses.

To insure proper distribution of the student's work, the subjects have been divided into three groups, as follows:

- Group I.** Art, Dutch, English, French, German, Greek, Latin, Music, Spanish, Speech.
- Group II.** Biology, Chemistry, Geography, Mathematics, Physics, Psychology.
- Group III.** Religion and Theology, Economics, Education, History, Philosophy, Political Science, Psychology, Sociology.

*A student may, if he prefers, take mathematics plus a one-year sequence in biology, chemistry, or physics.

The student must distribute the total 125 hours (incl. those prescribed) among the three groups, complying with the following restrictions:

- a. At least 24 semester hours in one subject chosen from one of the above groups, I, II, or III. This constitutes a major. To make certain that he meets the major sequence requirements of his department, the student should check the requirements listed under Courses of Instruction.
- b. At least 12 semester hours in one subject, other than the major subject, but in the same group from which the major subject is chosen. This constitutes the required minor in the major group.
- c. At least 18 semester hours chosen from one of the other two groups, that is, other than the major group. At least 12 of these 18 semester hours must be in one subject. This constitutes a second minor.

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

A maximum of 8 semester hours of credit in Applied Music will be allowed towards the bachelor's degree, except for music majors concentrating in Applied Music, in which case the maximum is 16 hours.

4. DEGREES A.B. and B.S. On satisfactory completion of this course, the student will receive the degree of Bachelor of Arts. If he has met all the requirements of this course and has completed 60 or more hours in Group II he may elect to receive the degree of Bachelor of Science instead of Bachelor of Arts.

5. BACHELOR OF ARTS DEGREE WITH STATE PROVISIONAL TEACHER'S CERTIFICATE. To be eligible for recommendation by Calvin College for a State Provisional Teacher's Certificate, a student must apply for admission to the Teacher-Education Program as explained on pages 72-76, and meet its requirements.

Directed Teaching must be taken at Calvin College to receive credit for graduation and to be recommended for a State Provisional Teacher's Certificate. This is in keeping with a general practice among colleges that student teaching be taken at the institution where the degree is earned and that is to recommend a student for a teaching certificate.

Prospective secondary school teachers who plan to teach in Canada should take the regular General College Course at Calvin and reserve their teacher preparation courses for a fifth year to be taken in Canada.

Prospective elementary school teachers who plan to teach in Canada should pursue the curriculum for elementary teachers, as outlined on pages 73-75.

The Required Physical Education Program

Requirement

Physical education is a requirement for all freshman and sophomore students. All classes meet twice a week.

Credit

All students must meet the physical education requirement to graduate. Failure to meet this requirement will result in the withholding of the degree and diploma.

A grade of "Cr." (Credit) or "N.C." (No Credit) will be given for each course. In order to receive credit for a course a student must earn a passing physical education average. This average is based on ability, progress, attitude, attendance, skill, and written tests.

Exemptions

Students over 27 years of age may be excused after consultation with the Chairman of the Physical Education Program.

Medical excuses will be accepted only from a physician of the Calvin Health Service. Upon consultation with him some students may be placed in restricted activities according to ability and need.

Equipment, uniforms, lockers

Equipment for activities will be supplied by the College.

Students enrolled in the instructional courses are required to buy a standard uniform. Warm-up suits are optional but the purchase of them is encouraged. These can be purchased through the physical education office.

Lockers and laundry service are available for all students. A \$5 deposit is necessary in securing a locker and will be returned at the end of the school year if all articles are intact.

Pre-Seminary

To qualify for the degree of Bachelor of Arts from Calvin College, a student must meet all of the requirements for the General College Course outlined on pages 59-61. To qualify for admission as a degree candidate to Calvin Theological Seminary, a Calvin College student, in addition to earning a Bachelor of Arts degree, with a grade-point average of 2.67 (B-) or higher, should complete the course work outlined below.

1. PRESCRIBED WORK FOR ADMISSION TO CALVIN THEOLOGICAL SEMINARY

a. A major of at least 24 semester hours in one of the following subjects: Biology, Chemistry, Dutch, Economics, Education, English, French, German, Greek, History, Latin, Mathematics, Philosophy, Physics, Political Science, Psychology, and Sociology.

b. Two minors of at least 12 semester hours each. (The completion of the course work specified below will insure completion of the required minors.)

c. A minimum of course credits in the following subjects as specified:

<i>Course</i>	<i>Semester Hours</i>
Religion and Theology 103, 206, 301	9
English 103-104 and six hours of Literature	12
Foreign Languages	
Greek	14
Latin: 2 years in high school or the equivalent in college ..	(8)
*A modern foreign language: 2 years in high school or the equivalent in college	(8)
Additional courses in Greek, Latin, or any modern foreign language	6
History 101, 102, plus two courses to include either 311 or 312, preferably both	12
Natural Science: Physical Science 110, Biology 111	8
Philosophy, including Logic 200, 220, 301, 302	12
Psychology and/or Education	6
Social Science: (2 courses in any one of the following: Economics, Political Science, or Sociology)	6
Speech 103, 104, 205	7
	92

*Reading competence in Dutch, French, or German is required. This competence may be demonstrated either by taking three years of course work or by sustaining the Seminary's admission reading test. The admission test presupposes two years of college course work or an equivalent in other study.

2. RECOMMENDED MAJORS

Although the admission standards list a wide variety of acceptable academic majors, the Seminary recommends (in order of preference) majors in Greek, Philosophy, History and English as being particularly relevant to theological scholarship and designed to assist the student in meeting the course requirements which have been specified.

3. RECOMMENDED COURSES

a. In fulfilling the 14-hour requirement in Greek, the student is advised to include the study of New Testament Greek.

b. In view of its general relevance to Reformed theological scholarship, the study of Dutch is recommended as the first choice in fulfilling the Modern Language requirement. In view of its general relevance to the study of theology, the study of German is recommended as the second choice.

Three-Year Pre-Medical and Pre-Dental

All students planning to enter any one of the pre-medical or pre-dental courses should consult Dr. John De Vries, faculty director of the pre-medical and pre-dental programs. Students should also note the pre-medical entrance requirements on page 28.

For those students who wish to secure a baccalaureate degree from Calvin College on the combined curriculum plan, the following requirements must be met:

1. AMOUNT AND GRADE OF WORK. The student must complete 94 hours of work with an average grade of C. Honor points are computed

In addition, the student, in consultation with the pre-law adviser, must select a major and two minors. (Suggested fields are political science, history, economics, and philosophy.) Since the student cannot complete the required hours for a recognized major or minor, it is expected that he accumulate as many hours as possible in his selected fields.

For their electives, students should choose such subjects as are required for admission to the law school which they expect eventually to attend.

A suggested program for a three-year pre-law student who has selected a history major would be:

<i>Freshman Year</i>			
FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
Religion and Theology 103 (1st or 2nd Sem.)	3	Mathematics 109 (1st or 2nd Sem.)	4
English 103	3	English 104	3
History 101	3	History 102	3
Foreign Language	4	Foreign Language	4
Speech	2	Speech	3
	15		17

<i>Sophomore Year</i>			
FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
Religion and Theology (1st or 2nd Sem.)	3	Foreign Language	3
Foreign Language	3	Biological Science	4
Physical Science	4	Political Science 204	3
Political Science 203	3	History 216	3
History 215	3	Elective	3
	16		16

<i>Junior Year</i>			
FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
Religion and Theology	3	History 314 or 316	3
History 313 or 315	3	Philosophy	3
Philosophy	3	Economics 202	3
Economics 201	3	Speech 202	1
Philosophy 200	3	Electives	5
	15		15

3. DIPLOMA AND DEGREE. On satisfactorily completing this course, and one year of successful work in a recognized law school, the student will be eligible for the degree of Bachelor of Arts on the Combined Curriculum Plan in Letters and Law.

It is the responsibility of the student who desires to secure a baccalaureate degree on the combined curriculum plan to notify the Registrar's Office by April 1 of the year in which he expects to receive the degree.

Three-Year Transfers

Students who plan to enter law school after three years at Calvin, but who do not intend to meet graduation requirements at Calvin, must com-

plete 94 hours of the requirements for the General College Bachelor of Arts degree (see page 59). The selection of a program adequate for entrance into a law school should be made in consultation with the pre-law adviser.

Four-Year Pre-Law

Students who plan to enter a law school upon graduation from Calvin College are expected to complete the requirements for the General College Bachelor of Arts degree (see page 59). The selection of the majors and minors in their program should be made in consultation with the pre-law adviser.

Pre-Engineering

(See note regarding Pre-Engineering entrance requirements on page 28.)

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

1. AMOUNT AND GRADE OF WORK. The student must complete 94 hours of work with an average grade of C. Honor points are computed on the basis of registered hours.

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

THREE-YEAR GENERAL PRE-ENGINEERING COURSE

<i>Freshman Year</i>			
FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
Chemistry 103	4	Religion and Theology 103	
Engineering 101	3	or Speech 103	3 or 2
English 103	3	Chemistry 104	4
Mathematics 111	4	Engineering 102	3
Speech 103 or Religion and		English 104	3
Theology 103	2 or 3	Mathematics 112	4
	16 or 17		17 or 16

<i>Sophomore Year</i>			
	Hours		Hours
Economics 201 or 307	3	Economics 202 or 203	3
Engineering 205	3	English 202 or 204	3
Mathematics 211	5	Mathematics 212	5
Physics 203	6	Physics 204	6
	17		17

<i>Junior Year</i>			
	Hours		Hours
Religion and Theology 301		Engineering 304	4
(1st or 2nd Sem.)	3	Engineering 306	3
Engineering 301	3	Philosophy 202	3
Philosophy 201	3	*Electives	3
*Electives	5		
	14		13

*Three hours of electives must be technical subjects.

THREE-YEAR CHEMICAL PRE-ENGINEERING COURSE

Freshman Year

The same subjects as prescribed for the three-year general Pre-Engineering course above.

Sophomore Year

The subjects should be chosen in consultation with the student's adviser.

Junior Year

The subjects should be chosen in consultation with the student's adviser.

NOTE: Two units of algebra credit will be required after September 1964 in addition to the present requirement of $\frac{1}{2}$ unit of credit in trigonometry. Deficiency in these entrance requirements delays the program.

3. **DIPLOMA AND DEGREE.** Upon satisfactory completion of either course, and completion of the requirements for a bachelor of science degree in engineering in a recognized engineering school, the student will be eligible for the Bachelor of Science on the Combined Curriculum Plan in Science and Engineering.

It is the responsibility of the student who desires to secure a baccalaureate degree on the combined curriculum plan to notify the Registrar's Office by April 1 of the year in which he expects to receive the degree.

Abbreviated Pre-Engineering Course

For a student who is unable to take more than two years at Calvin College, a two-year program will be arranged to satisfy, as nearly as possible, the requirements of the Engineering School which he plans to attend. This program must be arranged with either the engineering course adviser or the Registrar of the College.

Bachelor of Science in Medical Technology on the Combined Curriculum Plan

To qualify for this degree the student must:

1. Meet regular admission requirements to the College, including, among high school credits, algebra, geometry, and chemistry or physics.
2. Successfully complete 94 semester hours of pre-professional subjects considered fundamental in any liberal arts program. He must obtain an average grade of C. Honor points are computed on the basis of registered hours.
3. Complete an additional 12 months of training at an accredited school of medical technology.

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

The required college courses in the program are the following:

Religion and Theology (including Religion and Theology 103)	6
Biology, General	8
Biology, Microbiology	4

Biology, Additional*	4
Chemistry, General	8
Chemistry, Additional†	8
English, Freshman	6
English or American Literature	6
Foreign Language	8
History	6
Mathematics	3 or 4
Psychology	3
Sociology, Principles or Problems	3
Philosophy, Perspectives or Ethics	3
Electives	18 or 17

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*The remaining biology courses to complete the requirements may be selected from the following subjects: Human Anatomy and Physiology, Comparative Anatomy, Parasitology, Histology, Genetics, or other biology courses acceptable toward a biological science major.

†The other chemistry courses to complete the requirements may be selected from: Qualitative Chemistry, Quantitative Chemistry, Organic Chemistry, Organo-Biochemistry, Physical Chemistry, or other chemistry courses acceptable toward a chemistry major.

Suggested Program

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	Hours		Hours
Biology 109	4	Biology 110	4
Chemistry 103	4	Chemistry 104	4
English 103	3	English 104	3
*Foreign Language	4	*Foreign Language	4
	15		15

*If a student has had foreign language in high school, the number of hours prescribed may be reduced by four for each year of a foreign language completed in high school. If this requirement has been met, the student may substitute eight hours of electives.

Sophomore Year

Hours		Hours	
Religion and Theology 103 (1st or 2nd Sem.)	3	Mathematics (1st or 2nd Sem.)	3 or 4
Biology 107	4	Chemistry 304	4
Chemistry 303	4	History 102	3
History 101	3	Electives	6
Psychology 201	3		
	17		16 or 17

Junior Year

Hours		Hours	
Religion and Theology	3	Sociology	3
English 201 or 203	3	English 202 or 204	3
Philosophy 201	3	Electives	9 or 10
Electives	5 or 6		
	14 or 15		15 or 16

Major in Business Administration

Candidates for a Bachelor of Arts degree from the General College Course may select their subjects with a view to obtaining a major in Business Administration. They should complete the subjects prescribed for the General College Course (see p. 59). For students interested in Business Administration but who desire to earn a Bachelor of Business

degree at one of the universities a two- or three-year course can be arranged. Since the emphasis in the professional schools today is upon a broad liberal arts training, however, the student should consider the advisability of remaining at Calvin College for four years and transferring to the university after he receives his A.B. degree. He can then enroll in the Master of Business Administration program at the university. This kind of preparation for a business career is highly recommended by Business Administration School officials. To complete the major group requirements he should elect 24 hours in economics and 12 hours in another department listed in Group III (see p. 60). The student may elect to complete his minor group requirements by selecting subjects either in Group I or Group II. The 24 hours in economics must include Economics 201 and 202 and Economics 305 and 306.

Students desiring to receive a master's degree in Business Administration at the University of Michigan, after receiving a Bachelor of Arts degree from Calvin College, can do so by successfully completing a maximum of one year and one summer at the School of Business Administration of the University of Michigan.

Major in Music

Permission to major in music must be obtained from the department through its chairman. Application for permission to major in music must be made at the end of the sophomore year.

Candidates for the A.B. degree in the General College Course or in the Education Course may select music as a major field. The following requirements apply:

- a. The general course requirements as prescribed for either the General College Course (see p. 59) or the Education Course (see p. 72).
- b. Sufficient proficiency at the piano to pass the minimum keyboard requirement test.
- c. Participation in at least one music ensemble (choir, band, or orchestra) each semester.
- d. The following courses in basic musicianship:

Music 103-104, 203-204 (Theory)	12 hours
Music 305-306 (History of Music)	6 hours
- e. The specific course requirements for one of the following five areas of concentration in music:
 1. MUSIC HISTORY AND LITERATURE

Advanced courses in the History and Literature of Music	12 hours
*Applied Music	8 hours
Electives in Music	2 hours
 2. MUSIC THEORY

Advanced courses in Music Theory	12 hours
*Applied Music	8 hours
Electives in Music	2 hours
 3. SOLO INSTRUMENT OR VOICE

†Applied Music (Private lessons in one instrument or voice) up to	16 hours
Electives in Music	6 hours

*More than eight hours of applied music may be taken but only eight will be credited toward degree requirements.

†More than 16 hours of applied music may be taken but only 16 will be credited toward degree requirements.

4. INSTRUMENTAL MUSIC EDUCATION

Music 315-316 (Arranging)	6 hours
Music 313-314 (Conducting)	2 hours
Music 213-214 and/or 215-216 (Band and/or Orchestra) (Participation in at least one each semester)	8 hours
Private lessons on the major instrument, of which at least four semesters are required	4 hours
Music 333 (Teaching of Instrumental Music)	3 hours
Proficiency on secondary instruments, equivalent to two semesters each on string, wood-wind, and brass instruments and one semester on percussion instruments and also one semester in voice.	

5. VOCAL MUSIC EDUCATION

Music 107-108 and/or 207-208 (Choir)	8 hours
(Participation in at least one each semester)	
Music 117-118, 217-218 (Voice)	4 hours
Music 331 and 332 (Teaching of Vocal Music)	6 hours
Music 313-314 (Conducting)	2 hours
Music 141-142 or equivalent (Piano)	2 hours

Candidates for the A.B. degree in the Education Course, or for the A.B. degree in the General College Course, with a Michigan State Teacher's Certificate, must elect either the concentrate in Instrumental Music Education or the concentrate in Vocal Music Education.

Candidates for the A.B. degree in the General College Course may elect any one of the five areas of concentration given above. If they choose Instrumental Music Education or Vocal Music Education, they will be expected to complete the requirements for the Michigan State Teacher's Certificate (see p. 72) in addition to the requirements given under "a" through "e" (see p. 70).

If the student intending to major in music is not a pianist or organist, it is recommended that piano study begin *before* entering Calvin. Non-credit piano lessons will be required of all prospective music majors who cannot successfully pass the minimum keyboard requirement test during the opening weeks of school.

Minor in Music

A student wishing to choose music as a minor subject must include in the minor sequence:

Music 103-104 (Theory)	6 hours
Music 211-212 (Music Literature)	
or	
Music 305-306 (Music History)	6 hours

Music minors interested in earning a Michigan State Teacher's Certificate must add to these requirements Music 331 or Music 332.

Church Music

Students who are interested in a career in church music should plan to do graduate work in this field. Undergraduate preparation should consist of the concentrate in Organ. In addition the student should elect Music 303-304 (Counterpoint), Music 219-220 (Church Music), Music 313-314 (Conducting), and Music 117-118 (Voice).

Concerts and Tours

There are several musical organizations at Calvin College, offering the student opportunity for singing or playing.

The Oratorio Society, 400 to 500 voices, has a long tradition of presenting Handel's *Messiah* at Christmas time, and another oratorio such as the *Elijah* or the *Creation* each spring.

The A Cappella Choir of 65 selected voices is well known throughout the United States and Canada through the annual tours taken during spring vacation. Usually the choir appears in 15 or more concerts.

The Radio Choir is nationally known for its singing on the "Back to God Hour" broadcasts each Sunday. This choir also engages in an annual tour.

The College Orchestra plays the orchestral accompaniment to the oratorios and plays at least one full concert during the school year.

The College Concert Band plays many concerts in and around Grand Rapids and goes on a tour to the east or west during the spring vacation.

The College Chamber Band is a select group of musicians chosen from the Concert Band to play literature particularly suitable to a smaller wind ensemble.

The College Varsity Band is organized as an activities band, performing at athletic events, student activities, Knollcrest functions, and at the annual spring band concert.

The Meistersingers, a student-directed chorus of selected male voices, serves an important purpose on our campus. Organized primarily to sing at campus functions such as Home Coming and the annual Moonlight Musicale at Knollcrest, the choir also sings several sacred concerts each season.

BACHELOR OF ARTS IN EDUCATION — TEACHER EDUCATION PROGRAM

To obtain a Bachelor of Arts degree in Education, and to secure a Michigan State Provisional Teacher's Certificate a student must be a *citizen of the United States or have filed a statement of intention*, must be admitted to the Teacher-Education Program and complete its requirements for either the elementary or secondary level. Students interested in special fields in education should confer with the Chairman of the Education Department.

Admission to the Program — To be admitted to the Teacher-Education Program a student may take formal application as soon as he has sophomore standing. He should do this before the end of the sophomore year because delay of application until the junior or senior year may make it difficult to complete requirements in four years.

Application forms are available in the Education Department Office. At the time of application the student should ask for a copy of the pamphlet, *So You Want To Be a Teacher*. This pamphlet outlines in detail the steps to follow in completing the Teacher-Education Program.

Curriculum and Major and Minor Sequences for Elementary Teachers*

I. AMOUNT AND GRADE OF WORK. The student must complete 125 hours of work with an average grade of C.

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

A. General Education (Degree Requirements):	Hours
Bible 103, 206, 301	9
Biology 111	4
Physical Science 110	4
Mathematics 109	4
English 103-104	6
History 101-102	6
Psychology 201	3
Speech 109 or 303	3
Physical Education	3 semesters
Foreign Language	14

Students who have earned credit for a foreign language in high school may have this credit applied toward fulfillment of the college language requirement, if the same language is continued. However, a foreign language taken in high school is not credited toward a major or a minor nor toward the 125 hours required for graduation.

Four semesters of one foreign language in *high school* is the equivalent of two semesters of the language in college.

B. Professional Education Courses:	Hours
Psychology 202	3
Education 203-204	6
Education 315	3
Education 322	3
Education 343	8

C. Additional Courses:	Hours
Art 201 or 306	3
Geography	3
Music 221 or 222	3
Psychology 204	3
Sociology 203 or 204	3

III. DISTRIBUTION OF WORK. Major and Minor Sequences.

A student is required to complete 30 semester hours in one of the following study areas and 18 semester hours in another. The following major and minor sequences are recommended for counseling purposes.

ENGLISH STUDIES

Major sequence — 30 hours

Required (21 hours):

	Hours
English 103-104	6
English 201-202	6
Speech 109-303	6
Education 225	3

*Prospective elementary teachers who plan to teach in Canada, as well as those who plan to teach in the United States, must follow this curriculum.

Recommended electives (9 hours):

English 203-204	6
English 309	3
Speech 202	1
Speech 215	2

Minor sequence — 18 hours**Required (11 hours):**

English 103-104	6
Speech 109 or 303	3
Speech 215	2

Recommended electives (7 hours):

English 203-204	6
Other courses listed under Major sequence	

ART AND MUSIC STUDIES**Major sequence — 30 hours***Hours***Required (15 hours):**

Art 306, 231, 232	9
*Music 221-222	6

Recommended electives (15 hours):

Art 201	3
Art 306	3
Music 103-104	6
Music 211-212	6
Music 305-306	6
Music 313	1
Music 314	1
Music 331	3

Minor sequence — 18 hours**Required (9 hours):**

Art 201 or 306	3
*Music 221-222	6

Recommended electives (9 hours):

May be selected from courses listed under
Major sequence.

SOCIAL STUDIES**Major sequence — 30 hours***Hours***Required (21 hours):**

History 101-102	6
History 215-216 (or 209-210)	6
Sociology 203 or 204	3
Geography 103	3
Political Science 203	3

Recommended electives (9 hours):

History 205-206	6
History 305-306	6
Geography 205, 206, 207 or 209	3
Political Science 204	3
Economics 103 or 203	3
Philosophy 205	3
Sociology 203 or 204	3
Sociology 309	3
Sociology 310	3

*Students electing Music 103 will not be required to take Music 221; students electing Music 331 will not be required to take Music 222.

Minor sequence — 18 hours**Required (12 hours):**

History 101-102	6
Geography 103	3
Sociology 203 or 204	3

Recommended electives (6 hours):

History 215-216 or 209-210	6
Political Science 203	3
Other courses listed under Major sequence.	

SCIENCE STUDIES**Major sequence — 30 hours***hours***Required (18 hours):**

Biology 111	4
Physical Science 110	4
Mathematics 109	4
Psychology 201-204	6

Recommended electives (12 hours):

Biology 105-106	6
Biology 107	4
Psychology 209, 212, 302, 311	3

Minor sequence — 18 hours**Required (18 hours):**

Biology 111	4
Physical Science 110	4
Mathematics 109	4
Psychology 201-204	6

Recommended electives:

Psychology 209 or 212	3
Biology 105 or 106	3

Curriculum and Major and Minor Sequences for Secondary Teachers

- I. AMOUNT AND GRADE OF WORK. The student must complete 125 hours of work with an average grade of C.
- II. PRESCRIBED WORK. Of the 125 hours required, the following are prescribed:

A. General Education (Degree Requirements):*Hours*

Religion and Theology 103, 206, 301	9
Biology 111	4
Physical Science 110	4
Mathematics 109	4
English 103-104	6
History 101-102	6
Psychology 201	3
Foreign Language	14
Physical Education	3 semesters

Students who have earned credit for a foreign language in high school may have this credit applied toward the fulfillment of the college language requirement, if the same language is continued. However, a foreign language taken in high school is not credited toward a major or a minor nor toward the 125 hours required for graduation.

Four semesters of one foreign language in *high school* is the equivalent of two semesters of the language in college.

B. <i>Professional Education Courses</i>		<i>Hours</i>
Psychology 202		3
Education 203-204		6
Education 314		3
Education 344		8

III. MAJOR AND MINOR SEQUENCES

A student is required to complete a major of 30 hours and a minor of 18 hours, these to be selected from the following subject matter areas:

Art	Geography	Music
Biology	German	Physics
Chemistry	History	Physical Education
Economics	Political Science	Sociology
English	Latin	Spanish
French	Mathematics	Speech

Psychology may be selected as a minor, provided Sociology is not selected as a major or minor. Psychology 202 may not be included in the psychology minor.

Prospective secondary school teachers, when selecting specific courses within their major and minor fields of concentration, should make their selections in consultation with the chairmen of the departments involved and with the approval of the coordinator or secondary education.

The Michigan State Department of Public Instruction does not consider either religion and theology or philosophy as a major or minor for a teacher's certificate.

According to the current practice, education students who desire preparation in commercial and vocational teaching are referred to colleges or universities offering the required courses.

Prospective secondary school teachers who plan to teach in Canada should take the regular General College Course at Calvin and reserve their teacher preparation courses for a fifth year to be taken in Canada.

General College Course requirements in the freshman and sophomore years may have to be moved up if course sequences in a major area should require this, e.g. History 101-102 may have to be postponed if a student is to start physics in the freshman year.

Note: Directed Teaching must be taken at Calvin College to receive credit for graduation and to be recommended for a State Provisional Teacher's Certificate. This is in keeping with a general practice among colleges that student teaching be taken at the institution where the degree is earned and that is to recommend a student for a teaching certificate. Upon completion of requirements for the A.B. degree in education, a student must make application in the Education Office for the Michigan Provisional Certificate.

Nursing Program

The Nursing Courses at Blodgett Memorial Hospital in Grand Rapids, Michigan, are so arranged that the first two semesters of the total three-year program are taken concurrently at the College and at Blodgett Hospital. The courses listed below are given during this period.

FIRST SEMESTER

Courses taken at the College:	Hours	Courses taken at the Hospital:
Bible 103	3	
Biology 105	3	
Biology 107	4	Basic Nursing I
English 103	3	
Psychology 201	3	Trends in Nursing I
	<hr/>	
	16	

SECOND SEMESTER

Courses taken at the College:	Hours	Courses taken at the Hospital:
Biology 106	3	
Chemistry 101	3	
English 104	3	Nutrition
Sociology 203	3	
	<hr/>	
	12	Basic Nursing II

Upon completion of these two semesters and an additional 27 months of clinical experience at Blodgett Memorial Hospital the student is granted a diploma in nursing by the Blodgett Memorial Hospital School of Nursing. She is then eligible to write the examinations given by the Michigan Board of Registration of Nurses, and upon passing these examinations receives a certificate to practice as a registered nurse.

Applicants wishing to take the Nursing Program must make application with the Director of the School of Nursing at Blodgett Memorial Hospital. This application should be submitted during the early part of the senior year in high school. No application will be acted upon until all forms are at Blodgett. Admission to the Nursing Program is determined by the Admissions Committee of the Blodgett Memorial Hospital School of Nursing.

Pre-Librarianship

The educational requirement for professional library work is a Bachelor's degree from an accredited college and a Master's degree in library science.

Calvin College offers courses of study which are acceptable for admission to any library school and for any type of specialization. While no special major is required, the course of study should stress a broad cultural background in liberal arts and science. Proficiency in typing should also be acquired. A reading knowledge of a modern foreign language is required.

Pre-library students may be given the opportunity for part-time work experience in the library.

Pre-Library Work Counseling

Detailed information regarding types of library work, library school requirements, and work-study programs may be obtained from the Director of the Library.

**Pre-Agriculture, Pre-Forestry, Pre-Home Economics, and
Pre-Occupational Therapy**

Students interested in specializing in the fields mentioned above should see the Registrar of the College. Curricula can be arranged to enable such students to remain at Calvin for one or two years.

Courses of Instruction

Art

BOEVE (acting chairman), E. BOLT, JENSEN

- 201. Introduction to Art** **Three hours**
Information and practice in the basic elements and principles of art as applied to drawing, values, color, design, lettering, and poster work. The student learns to manipulate various art media. Prerequisite for all studio art courses and Art 306.
- 203. Creative Drawing** **Three hours**
Various media will be used to explore the possibilities and problems in drawing from a creative, personal point of view. Famous artists of the past and present will be studied to acquaint the student with a variety of approaches to the medium. Six class hours per week. Offered second semester.
- 207. Introduction to Design** **Three hours**
Pure design, design in pictorial representation, perspective drawing; various black and white media used in basic art elements, i.e. line, shape, texture, pattern. Work may include three-dimension problems. Six class hours per week.
- 208. Introduction to Design** **Three hours**
Continuation of 207. Prerequisite: 207.
Work in color — hue, value, intensity; the utilization of these elements in organization of pure design and pictorial representation. Media to include water colors, tempera, and acrylic paint. Six class hours per week.
- 210. Three-Dimensional Design** **Three hours**
Construction, carving, and modeling in various materials will be pursued in relation to problems of space, movement, balance, rhythm and integration of the total form. Six class hours per week. Offered first semester.
- 220. Print Making** **Three hours**
The course aims to give the student experience in the media of wood block printing and silk screen process. Six class hours per week. Offered first semester.
- 231. An Introduction to the History of the Fine Arts** **Three hours**
A survey of the history of architecture, painting, and sculpture in Ancient, Medieval and Renaissance times. The character of ancient art from Egypt through Rome will be followed by a study of medieval art from its beginning in the early days of the Christian era to its climax in the Gothic period of the thirteenth century. This course will be concluded with an introduction to the art of the Renaissance in Italy to 1600.
- 232. An Introduction to the History of the Fine Arts** **Three hours**
Continuation of 231. The history of art from 1600 to the present.
- 240. Contemporary Painting and Architecture** **Three hours**
A study of painting from Impressionism to the present with emphasis on Expressionism, Abstractionism, Non-objectivism and Abstract Expressionism. Architecture will be studied in relation to programming, technology, materials, and site, beginning with Sullivan, Eiffel, and Gaudy and continued into the 20th century with Wright, La Corbusier, Neutra, Mies, Vander Rohe, and Saarinen. Outside reading and papers will be required. Prerequisite: Art. 231-232. Offered first semester.

301. **Advanced Painting** **Three hours**
 Prerequisite: 207-208.
 A study of the traditions in painting emphasizing techniques and methods of communicating ideas visually. Studio work will give opportunity to experiment in various techniques and subjects. Six class hours per week.
302. **Advanced Painting** **Three hours**
 Continuation of 301.
 An exhibition will be expected of each student at the conclusion of the year. Six class hours per week.
306. **Principles of Art Education** **Three hours**
 Prerequisite: 201, or a studio art course.
 A course emphasizing methods and techniques of organizing and motivating art instruction. It includes lectures and demonstrations.

Biology

TEN BROEK (chairman), BENGELINK, A. BRATT, M. DE BOER, GEBBEN, KARSTEN, KLOOSTER, VAN HARN

A. Students expecting to do *graduate* work in Biology should take Biology 109-110 plus 24 hours of advanced course work. These 24 hours should produce a background in each of the following areas:

1. Animal morphology (Biology 201, 208, or 311)
2. Plant morphology (Biology 203 or 204)
3. Genetics (Biology 207)
4. Physiology (Biology 314*)
5. Ecology (Biology 313)
6. Systematics (Biology 301)

B. *Biology Minor*: The student minoring in biology should take Biology 109-110, plus other courses determined by major department in consultation with Biology department.

C. *Education Students Majoring or Minorng in Biology*: A student intending to teach biology in the secondary school should take the following:

Major—Biology 109-110, 201, 203 or 204, 313, 314, 207, 301.

Minor—Biology 109-110, 201, 203 or 204, and one of the following: 313, 314, 207, or 301.

105. **Human Anatomy and Physiology** **Three hours**
 An introduction to the study of human biology, including elements of anatomy, histology, and physiology. Two hours of lectures and one laboratory session per week.
106. **Human Anatomy and Physiology** **Three hours**
 Continuation of 105 which is prerequisite.
107. **Microbiology** **Four hours**
 An introduction to the principles and techniques of microbiology, with emphasis on the bacteria. Three hours of lecture and one laboratory period per week.
109. **General Biology** **Four hours**
 An introduction to the protists, plant diversity, and plant structure and function. Three hours of lecture and one laboratory period per week. Offered both semesters.
110. **General Biology** **Four hours**
 An introduction to animal diversity, structure, and function. Three hours of lecture and one laboratory period per week. Offered both semesters.

*Prerequisites are Chemistry 103-104 and Chemistry 301-302 or 303-304.

- 111. Biological Science** **Four hours**
 An introduction to the principles and concepts of biology, and the history and philosophy of biological thought for the liberal arts student. Lectures and laboratory.
- 201. Invertebrate Zoology** **Four hours**
 Anatomy, physiology, behavior and classification of animals representative of the invertebrate groups. Three hours of lecture and one laboratory session per week. Prerequisite: Biology 109-110.
- 203. Plant Morphology** **Four hours**
 A consideration of structure, life cycles, and phylogeny of the algae, fungi, and bryophytes. Three hours of lecture and one laboratory session per week. Prerequisite: Biology 109-110.
- 204. Plant Morphology** **Four hours**
 Continuation of 203 dealing with the vascular plants. Prerequisites: Biology 109-110, Biology 203 advised but not required.
- 206. Natural History of the Vertebrates** **Four hours**
 A study of the classification, identification, habits, and habitats of the vertebrate animals. The course consists of lectures, museum studies, laboratory work, and field work. Three hours of lecture and one laboratory session per week. Prerequisite: Biology 109-110. Not offered 1965-'66.
- 207. Genetics** **Three hours**
 An introduction to the principles and concepts of heredity. Three hours of lecture per week. Prerequisites: Biology 109-110.
- 207L. Genetics Laboratory** **One hour**
 An introduction to the experimental phase of genetics.
 Prerequisites: Biology 207 and consent of instructor.
- 208. Introduction to Embryology** **Four hours**
 A study of the development of animals. Three hours of lectures and one laboratory session per week. Prerequisite: Biology 109-110.
- 301. Plant Taxonomy** **Four hours**
 An introduction to the principles and concepts of plant systematics with laboratory and field work in the identification of plants. Three lectures and one laboratory session per week, plus three all-day Saturday field trips in the spring. Prerequisites: Biology 109-110, Biology 203 or 204, or consent of instructor.
- 306. Biological Problems** **Two hours**
 The history of biology and the evidences for evolution and organic teleology are considered. Lectures, assigned readings, recitation, and reports. Prerequisite: Biology 109-110 or equivalent courses. Not offered 1965-'66.
- 307. Parasitology** **Four hours**
 An introduction to the study of the parasites of man and of common animals. Classification, life-cycles of the parasites, and reactions of the hosts will be studied. Three lectures and one laboratory period per week. Prerequisite: Biology 109-110.
- 308. Histology** **Four hours**
 A study of mammalian tissues. The relationship of microscopic structure to function is emphasized. Three lectures and one laboratory period per week. Prerequisites: Biology 109-110, 105-106, or consent of instructor.
- 311. Comparative Anatomy of Vertebrates** **Five hours**
 A comparative study of the anatomy of vertebrate animals. Three lectures and two laboratory sessions per week. Prerequisites: Biology 109-110, Biology 208 recommended.

- 313. General Ecology** **Four hours**
 An introduction to the principles and concepts of ecology. Three lectures and one laboratory or field session per week. Prerequisites: Biology 109-110, Biology 301, or consent of instructor.
- 314. General Physiology** **Four hours**
 An introduction to the principles and concepts of the physiology of plants and animals. Three lectures and one laboratory session per week. Prerequisites: Biology 109-110, Chemistry 103-104; and Chemistry 301-302 or Chemistry 303-304. Physics 201-202 strongly recommended.
- 320. Principles of Modern Biology** **Three hours**
 A course emphasizing the present day principles of the molecular, cellular, population-species, and ecosystem levels of biology, and treating the organism level to a somewhat lesser degree. Not offered 1965-'66.
- 321. Principles of Modern Biology** **Three hours**
 Continuation of Biology 320, which is prerequisite. Not offered 1965-'66.
- 380. Biology Journal Seminar** **One hour**
 This course consists of the presentation and discussion of papers from biological journals and is open to majors in biology at the Junior and Senior levels.

Chemistry

DIRKSE (chairman), BROENE, †DE VRIES, VANDER LUGT, WOLTHUIS

A student who plans to do graduate work in chemistry and who expects to receive certification by the American Chemical Society Committee on the Professional Training of Chemists should complete the following courses: Chemistry 103-4, 201, 301-2, 305, 307-8, 309, 310, 320. In related fields, he should complete mathematics through calculus, and Physics 205, 206, 303, 304. Students planning to enter graduate school should have a reading knowledge of both German and French.

Students who desire a chemistry major for teaching in secondary schools may select Physics 201-2 or Physics 205-6 as partial fulfillment of the Chemistry major sequence.

- 101. Chemistry for Nurses** **Three hours**
 A one-semester course designed for students in the regular pre-nursing course. A survey of inorganic, organic, and biological chemistry as applied to the field of medicine. Three classroom hours per week.
 No prerequisite.
- 103. General Chemistry** **Four hours**
 A study of the basic laws, theories and principles of chemistry, with emphasis on the laws of chemical combination, theories of atomic structure and chemical bonding, the periodic law, kinetic theory, and chemical and physical equilibria. Three classroom hours and one laboratory period per week.
 Prerequisite: a high school chemistry course is strongly recommended.
- 104. General Chemistry** **Four hours**
 A continuation of the study of chemical principles with emphasis on the nonmetallic elements and their compounds. The laboratory work deals with the systematic separation and identification of anions and cations. Three classroom hours and one laboratory period per week. Prerequisite: Chemistry 103.
- 201. Quantitative Analysis** **Four hours**
 Two hours of classroom work and two three-hour laboratory periods each week. This course consists of a study of the theory and practice of

†On leave of absence first semester, 1965-66.

- acidimetry, alkalimetry, permanganometric and iodometric analyses, and gravimetric determinations. Prerequisite: Chemistry 104.
- 204. Physical Chemistry for Pre-Medical Students** **Three hours**
A study of the states of matter, properties of solutions, chemical kinetics, and the colloidal state. Three lecture hours per week. Prerequisite: Chemistry 201.
- 301. Organic Chemistry** **Four hours**
A study of the various homologous series of organic compounds. Emphasis is placed on aliphatic compounds in this course. Three hours in classroom and one three-hour laboratory period per week. Prerequisite: 103 and 104. Chemistry 201 is desirable.
- 302. Organic Chemistry** **Four hours**
Continuation of 301, with emphasis on aromatic compounds and isolated topics. Hours the same. Prerequisite: 301.
- 303. Organo-Biochemistry** **Four hours**
A study of organic compounds, with special emphasis on their biochemical significance. Includes a study of bio-chemistry — carbohydrates, liquids, proteins, digestion, metabolism, etc. For pre-nursing, pre-medical technology students, and for teachers with a minor in chemistry. Three hours of classroom work and three hours of laboratory per week. Prerequisites: 103 and 104.
- 304. Organo-Biochemistry** **Four hours**
Continuation of 303. Hours the same.
- 305. Qualitative Organic Analysis** **Four hours**
Two hours of lectures and two or three three-hour laboratory periods per week. This course is based on Shriner and Fuson's text. Prerequisite: 302.
- 307. Physical Chemistry** **Four hours**
A study of the kinetic theory of gases, solids and liquids. Three lecture hours and one laboratory period per week. Prerequisites: Chemistry 104, Mathematics 112.
- 308. Physical Chemistry** **Four hours**
Continuation of 307. Hours the same. A study of electro-chemistry, chemical thermodynamics and kinetics.
- 309. Advanced Quantitative Analysis** **Four hours**
This course consists of two lecture hours and two laboratory periods per week. A study of optical, electrometric, chromatographic, and radiochemical methods of analysis. Emphasis is placed on the theoretical basis for each method. Prerequisite: Chemistry 307.
- 310. Advanced Inorganic Chemistry** **Three hours**
A course dealing with the chemistry of the elements with emphasis on chemical periodicity and the nature of chemical bonding. Crystal field theory and ligand field theory are discussed in connection with the chemistry of the transition metals. Prerequisite: Chemistry 308.
- 320. Chemical Research** **Three hours**
Library and laboratory research on an assigned problem. Only for approved Seniors majoring in chemistry.

Dutch

FRIDSMA (chairman), LAGERWEY

The Queen Juliana Chair of the Language and Culture of the Netherlands

- 101. Elementary Dutch** **Four hours**
An introductory course in the comprehension and use of spoken and written Dutch.

102. **Elementary Dutch** **Four hours**
Continuation of 101
201. **Intermediate Dutch** **Three hours**
Selected readings of modern Dutch prose and poetry. Review of grammar and syntax; collateral reading reports.
202. **Intermediate Dutch** **Three hours**
Continuation of 201.
205. **Readings in Dutch Church History I** **Three hours**
A study, in the Dutch language, of Source Documents pertaining to the History of the Reformed Churches in the Netherlands in the period 1450-1700.
206. **Readings in Dutch Church History II** **Three hours**
Continuation of 205 for the period 1700-1945.
305. **Dutch Classics** **Three hours**
Study and discussion of several Dutch literary texts representative of the classical and modern periods of Dutch literature. Required outside reading and essays.
306. **Dutch Classics** **Three hours**
Continuation of 305.

Economics

BROUWER (chairman), KUIPERS, PRUIS

Students who plan to major in Economics should take Mathematics 205 and 206. These courses, however, do not apply toward a major in economics.

103. **Economic History (United States)** **Three hours**
A review of the economic development of this country from the time of colonization to the present day. Special emphasis is placed on the development of the transportation system, the history of the tariff question, the development of unionism, the history of the banks, and the development of government regulation in our economic system. Not offered 1965-'66.
201. **Principles of Economics** **Three hours**
A review of the fundamental principles underlying modern economic life. Not open to Freshmen except by special permission. Students electing 201 are expected to take 202.
202. **Principles of Economics** **Three hours**
A continuation of the principles of economics and an application of the same to current industrial problems and institutions.
203. **Principles of Economics** **Three hours**
A one-semester course in economic principles and their application to questions of public policy. Intended especially for pre-engineering students. Open to others who desire a course in economics, but who do not plan to take a minor or major in this field and for whom Economics 201 and 202 are not prescribed. This course may serve as a prerequisite to advanced courses for students not concentrating in economics. Not open to Freshmen.
301. **Money and Banking** **Three hours**
A study of the nature and functions of money, with a view to the understanding of the role of currency systems in our national and international life. Prerequisites: 201 and 202 or their equivalents.
302. **Financial Principles** **Three hours**
An introductory course in business finance including study of forms of business organization, types and sources of capital, and other areas of financial administration. Prerequisite: 305.

- 303. Labor Economics** **Three hours**
 The problems of labor-management relations are considered from the standpoint of economic and social principles. The labor market, wages and hours, unemployment, and economic insecurity are analyzed in the light of developing labor legislation and trade unionism. Prerequisites: 201 and 202.
- 305. Essentials of Accounting** **Three hours**
 First semester of a one-year introductory course in accounting. Intended to give students the necessary accounting background for entrance into schools of business administration or for business uses when graduated from college. Emphasis is placed on the principles of accounting and the accounting procedure in corporations. Prerequisites: 201 and 202 or their equivalents.
- 306. Essentials of Accounting** **Four hours**
 Continuation of 305.
- 307. Essentials of Accounting** **Three hours**
 A one-semester course designed for those who desire a course in accounting, but who are unable to take a full year's work in the subject (namely, pre-engineering, pre-law, sociology and political science majors). Not open to economics and business administration majors or to Freshmen.
- 309. Business Law: Contracts** **Three hours**
 Deals with the main principles of contract: offer, acceptance, consideration, capacity of the parties, legality of object, the formal requisites of agreements under the statute of frauds, the operation of contracts in business and their interpretation by the courts.
- 311. History of Economic Thought** **Three hours**
 A systematic study of the development of economic doctrine, emphasizing the development of economic thought from Smith through Keynes; it introduces the student to the way in which economic thinking and analysis emerge and develop against the background of changing historical conditions. Prerequisite: Principles of Economics, or permission of instructor.
- 312. Cost Accounting** **Three hours**
 Principles and methods of accounting for manufacturing and operating costs, with emphasis on cost analysis for managerial control. Prerequisite: 306, or 305 and permission of instructor.
- 314. International Economics** **Three hours**
 A general course in the field of international economic relations. The fundamentals of international trade theory are stressed, including the balance of payments, problems of international dis-equilibrium, trade barriers, and efforts to promote international economic stability and growth.

Education

VAN BRUGGEN (chairman), BOS, DE BEER, *P. DE BOER, HAMILTON, HENDRICKS, HOEKSTRA, KASS, D. OPPEWAL, SNAPPER, VANDER ARK, YOUNGS, ZYLSTRA

A. PSYCHOLOGY

- 202. Educational Psychology** **Three hours**
 A psychological study of the learner, the learning process, and the kinds of learning. Psychology 201, or its equivalent, is a prerequisite.

B. HISTORY

- 203. Historical and Philosophical Foundations of Education** **Three hours**
 On the assumption that the history of education in any period or social order should be viewed against the background of the more general and

*On leave of absence 1965-66.

historical development of the period, this course aims to study the relationship between the growth of educational theory and practice in Western European civilization (through the Reformation) and its intellectual and cultural bases. Offered first semester.

- 204. Historical and Philosophical Foundations of Education** **Three hours**
Continuation of Education 203, with emphasis on the development of American education. Offered second semester.

C. PRINCIPLES

- 314. Principles of Teaching in Secondary Schools** **Three hours**
A general methods course to give the student a perspective of educational practices at the secondary level. This includes an analysis of objectives, teaching plans and techniques, pupil guidance and discipline, and testing and appraisal. Prerequisites: Psychology 202 and Education 203 and 204. Offered concurrently with Education 344.
- 315. Principles of Teaching in Elementary Schools** **Three hours**
A study of the principles, methods, and techniques appropriate to the direction of the learning process. Prerequisites: Psychology 202; Education 203 and 204. Offered concurrently with Education 343.

D. PROFESSIONAL COURSES

- 220. Teaching Arithmetic in Elementary Schools** **Three hours**
Both content and methods in arithmetic throughout the grades will be considered. Prerequisite: Psychology 202.
- 222. Elementary School Music (A Methods Course)** **Three hours**
Prerequisite: Music 221.
- 225. Children's Literature** **Three hours**
This course is offered in order to develop a knowledge of and an interest in good literature on the elementary level. The development of skill in story telling on the part of the teacher is also emphasized.
- 231. Audio-Visual Aids in Education** **Three hours**
The study of multi-sensory aids to learning, oriented in psychology. Includes study of graphic media, multi-dimensional models, field trips, magnetic recording, projected material and associated equipment, radio and television. Three class sessions include laboratory period.
- 307. School Administration** **Three hours**
A study of the structure, organization, administration and management of the elementary and secondary school. Development of professional leadership and supervisory practices.
- 310. Educational Measurements** **Three hours**
A survey course of present-day practices of measuring the results of teaching. Mental testing is included.
- 322. Teaching Reading in Elementary Schools** **Three hours**
A study of the physiological, psychological, and behavioral prerequisites for success in reading, a sequential analysis of reading skills, and a consideration of the broader area of language arts.
Section A is geared toward the primary grades, Kindergarten through grade 3.
Section B is geared toward the intermediate grades 4 through 6.
Prerequisites: Psychology 202 and Education 203-204. Offered concurrently with Education 343.
- 340. Curriculum** **Two hours**
A study of curriculum requirements for grades four through six, and of the fundamental teaching procedures applying to children of later childhood. Observation required. Not offered 1965-66.

- 343. Directed Teaching, Including Observation and Participation** **Eight hours**
For students planning to teach in the elementary schools. Offered both semesters.
- 344. Directed Teaching, Including Observation and Participation** **Eight hours**
For students planning to teach in junior or senior high schools. The course seeks to orient the student to classroom teaching by integrating observation, participation, and actual teaching. A study of theory of teaching parallels daily work in the junior or senior high school classroom in order to help the student make explicit to himself a distinctly Christian view of theory and practice in education.

Engineering

BOSSCHER (acting chairman)

- 101. Engineering Drawing and Graphical Solutions** **Three hours**
1. A study of basic topics in engineering drawing to provide facility in the transmission of ideas through accepted graphical means. Areas covered include orthographic projection, freehand sketching, pictorial representation, auxiliary views, sections and conventions, basic dimensioning, and fasteners, culminating in the production of the working drawing.
2. A study of selected techniques in graphical mathematics and data presentation including graphical algebra and calculus, the determination of empirical equations from experimental data, functional scales, and basic nomography.
- 102. Descriptive Geometry and Concept Design** **Three hours**
1. A study of basic graphical techniques for the solution of the spatial relationships involved in the solution of point, line, plane, and surface problems in three dimensions.
2. A study of and involvement in the engineering design process at the concept level through the medium of lectures and assigned design projects.
- 205. Principles of Engineering Materials** **Three hours**
An introductory course in the science of engineering materials. Engineering properties are correlated with internal structures — atomic, crystal, micro, macro — and service environments — mechanical, electrical, thermal, chemical. There are tours through various plants. Students should keep Thursday afternoon open on their schedules for such tours. Prerequisite: Chemistry 104.
- 301. Statics** **Three hours**
Study of fundamental principles of mechanics and their application to the simpler problems of engineering. Forces, components, moments, cables, friction, centroids, moments of inertia. Recitations, lectures, problems. Must be preceded or accompanied by Mathematics 211 and Physics 201 or 203.
- 304. Strength and Elasticity of Materials** **Four hours**
Application of principles of mechanics to solution of problems in stress and strain of engineering materials, including resistance to force, bending, torque, shear, eccentric load, deflection of beams, buckling of columns, and compounding of simple stresses. Recitations, lectures, and problems. Prerequisite: Engineering 301.
- 306. Dynamics** **Three hours**
Motion of a particle, dynamics of moving bodies, Newton's laws, simple harmonic motion, elementary vibration problems, balancing, pendulums, impulse and momentum, work and energy. Recitations, lectures, problems. Must be preceded or accompanied by Mathematics 212 and Physics 202 or 204.

English

TIMMERMAN (chairman), BLANKESPOOR, HARPER, HOLKEBOER, JANSSEN, KUIPER, P. OPPEWALL, SLINGERLAND, *TEN HARMSSEL, TIEMERSMA, VANDER WEELE, VAN HOUTEN, VAN NUIS, VAN'T HUL, WALTERS, WIERSMA, ZYLSTRA

All Freshmen must take Freshman English (103 and 104).

Sophomores who plan to take only 12 hours of English should take the comprehensive course in English Literature (English 203-204). Sophomores who plan to take more than 12 hours of English or who plan to become English minors are strongly urged to take English 203-204. Sophomores who plan to become English majors should *not* take English 203-204 but should elect American Literature (English 201-202) and thereupon proceed directly to the 300-courses.

Sophomores who plan a major or minor concentration in English may take a 300-English course concurrently with English 201 and 202.

Upperclassmen who elect English as the subject of their major or minor concentration should try to pursue as many of the special period and author 300-courses as their programs of study allow. Such students should consult the department in the selection of these courses.

An English major program (24 hours) ordinarily consists of the following courses: English 103-104, 201-202, 309, 307 or 308, 316, 302 or 310. Additional courses may be taken in terms of the student's preferences and schedule.

Students planning to pursue *graduate* studies should normally achieve a college major in English of at least thirty hours. Such students should also achieve a reading knowledge of Latin, German, and French.

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| 103. | Freshman English
Grammar, rhetoric, and composition. Textbooks and periodic themes. | Three hours |
| 104. | Freshman English
Continuation of 103. | Three hours |
| 103. | Honors Freshman English
An enriched Freshman English program including the essential formal disciplines of 103 and 104. Wide and intensive reading in the various literary types. Enrollment in the course is voluntary. Selection to be made from interested students upon distinguished achievement in the Departmental tests to be announced during registration. | Three hours |
| 104. | Honors Freshman English
Continuation of 103. | Three hours |
| 201. | American Literature
Analysis of important writings in the colonial and revolutionary periods. Emphasis upon culture and writings of the New England Group. Textbooks, collateral reading, and reports. | Three hours |
| 202. | American Literature
Continuation of 201. Intensive study of Whitman and Twain. Survey of realistic movement, the new poetry, and important twentieth century fiction and criticism. Textbook, collateral reading, and reports. | Three hours |
| 203. | English Literature
A comprehensive study of English literature from Chaucer through Pope. The course is conducted intensively in the major authors rather than inclusively of all of them. Textbook, library reading, assigned papers, classroom analysis and discussion of important works. | Three hours |
| 204. | English Literature
Continuation of 203. The course proceeds from Johnson through Eliot. | Three hours |

*On leave of absence 1965-66.

- 205. Advanced Composition** **Three hours**
 A practical course in advanced expository writing. Intensive reading in the formal essay and biography, with much systematic writing in such types of composition as description, the formal and informal essay, the informative and feature article, the editorial, the book review, and the like. Open by permission only to qualified students (B average in Freshman English).
- 301. Literature of the Romantic Period** **Three hours**
 Intensive critical analysis of the work of Wordsworth, Coleridge, Byron, Keats, and Shelley, and a survey of other English poets writing in the years 1798-1830. Textbooks and critical papers.
- 302. Poetry of the Victorian Period** **Three hours**
 Intensive critical analysis of the works of Tennyson, Browning, and Arnold seen in relation to relevant cultural influences; a survey of the Pre-Raphaelite Movement; and consideration of the principal poems of Swinburne and Meredith. Textbook and brief course paper.
- 303. Contemporary Fiction** **Three hours**
 A study of English and American fiction, in its continental relations, from 1890 to the present time. Collateral reading and reports.
- 304. Contemporary English Poetry** **Three hours**
 A study of the lyric and dramatic poetry of England, in its continental relations, from 1890 to the present time. Textbook, collateral reading, and reports.
- 306. Creative Writing** **Three hours**
 A practical course in the writing of imaginative prose and poetry, major emphasis to fall on the short story and lyric poem. Class sessions devoted to an analysis of the techniques employed by contemporary writers and to an analysis of student writing. A minimum of twelve assignments required. Prerequisite: publication in a periodical other than a school newspaper. Published piece will be evaluated at time of registration.
- 307. Literature of the Seventeenth Century** **Three hours**
 A study of important poetry and prose in England from Donne to Dryden with particular emphasis upon the poetry of Donne, Herbert, Vaughan, Traherne, and Herrick, and upon the prose of Donne, Browne, and Taylor. Textbooks and a critical report.
- 308. Milton** **Three hours**
 An intensive study of the works of John Milton. Textbook, collateral reading, and reports.
- 309. Shakespeare** **Three hours**
 An intensive study of the sonnets and about fifteen plays of Shakespeare. Textbook and reports.
- 310. Nineteenth Century English Prose** **Three hours**
 An intensive study of such representative English prose of the nineteenth century, exclusive of fiction, as the works of Carlyle, Ruskin, Arnold, Huxley, Mill, Newman, Pater, Stevenson, and others. Textbook and reports.
- 312. The English Novel** **Three hours**
 A survey of the English novel from the beginning through Hardy. Emphasis upon the art and thought of the major novelists with special attention to the development of differing techniques and schools of fiction. Textbook, collateral reading, and reports.
- 313. Chaucer** **Three hours**
 A study of the General Prologue, representative Canterbury Tales, and Troilus and Criseyde. Emphasis will fall upon Chaucer's literary genius and the reflection in his work of the major cultural phenomena of his time. Collateral reading.

315. The Principles of Literary Criticism **Three hours**

A course in critical theory, historically and normatively pursued. Analysis of the principal contributions to Western literary criticism. Emphasis on Plato, Aristotle, Longinus, Horace, Sidney, Dryden, Pope, Lessing, Wordsworth, Coleridge, Shelley, Poe, Arnold, and Eliot. Method: *explication de texte*. Textbook and critical papers.

316. Literature of the Eighteenth Century **Three hours**

A study of English poetry and prose from Dryden through Burns. Emphasis upon the neo-classicists: Dryden, Pope, Addison, Swift, and Johnson, and a study of the beginnings of the romantic outlook in Gray, Thomson, and Cowper. Textbook, collateral reading, and reports.

319. Non-Shakespearean Drama of the Renaissance **Three hours**

This course will examine, in turn, the medieval background of English drama, the developments in drama during the Tudor Age, and the works of later Elizabethan and Jacobean dramatists.

329. American Classics **Three hours**

A critical study of American masterpieces as the literary embodiment of the evolving minds, ways, and values of the American cultural process. Emphasis upon selected writings of Edwards, Franklin, Emerson, Hawthorne, Melville, Whitman, Twain, H. James, Adams, Frost, Eliot, Hemingway, Faulkner.

Open only to non-English majors. May not be substituted for 203-204. May not be taken in addition to 201 and 202.

334. The Development of the English Language **Three hours**

An analysis of the sound, grammatical, and vocabulary changes that have occurred throughout the history of the English language based on an intensive study of the Oxford English Dictionary and selected passages from Chaucer, Shakespeare, and various English translations of the Bible.

380. Advanced English Studies **One hour**

Intensive study of selected texts in English literature, with readings in articles appearing in professional journals, leading to the preparation and presentation of a detailed paper. Open, by permission of the current director, to seniors majoring in English, and recommended for all those who intend to do graduate work in English. Conducted by various members of the department.

French

FRIDSMA (chairman), HOLKEBOER, A. OTTEN, L. WESTRA

Students wishing to major in French ought to present twenty-four hours of work beyond the elementary level. Permission to major in French must be obtained from the head of the department.

The facilities and materials of the Language Laboratory are available to all students of French.

101. Elementary French **Four hours**

An introductory course in the comprehension and use of spoken and written French.

102. Elementary French **Four hours**

Continuation of 101.

201. Intermediate French **Three hours**

Further training in spoken and written French, study of the structure of the language, and reading in significant French literature.

202. Intermediate French **Three hours**

Continuation of 201.

- 207. Readings in French Literature I. Three hours**
An introduction to the major writers and movements in the history of French literature from the Middle Ages through the eighteenth century. Extensive reading, lectures, *explications de texte*. Prerequisite 202.
- 208. Readings in French Literature II. Three hours**
Continuation of French 207. Study of the nineteenth and twentieth centuries.
- 305. Literature of the Seventeenth Century Three hours**
A study of the growth and spirit of Classicism, with emphasis on representative authors.
- 306. Literature of the Seventeenth Century Three hours**
Continuation of 305.
- 307. Literature of the Eighteenth Century Three hours**
Lectures and discussion on the history of the literature and thought of the eighteenth century. Critical reading and analysis of the works of the principal writers of the period with special attention to Montesquieu, Voltaire, Rousseau, and Diderot. Not offered 1965-'66.
- 308. Literature of the Nineteenth Century Three hours**
A study of major movements and writers in nineteenth century France to 1870. Not offered 1965-'66.
- 309. Contemporary French Literature Three hours**
A detailed study of major writers and movements from 1870 to 1914. Extensive reading of significant fiction and drama, and intensive study of poetry beginning with Rimbaud, Verlaine, and Mallarmé. Not offered 1965-1966.
- 310. Contemporary French Literature Three hours**
A study of French literature and thought since the first World War, ending with a survey of the current literary scene. Lectures, critical analysis of texts, reports. Not offered 1965-'66.
- 321. Advanced French Two hours**
A course for the advanced student preparing for graduate study or for the teaching of French. A wide variety of exercises, compositions and drills is designed to develop in the student a high degree of competence in speaking, reading and writing idiomatic French. Three class meetings per week. (This course should be taken, if possible, in the senior year.) Not offered 1965-'66.
- 322. Advanced French Two hours**
Continuation of French 321

Geography

IPPEL (chairman)

- 103. Principles of Geography Three hours**
A study of the fundamental principles underlying the relationship between man and his environment.
- 205. Geography of North America Three hours**
A survey of the elements of the natural environment of the major regions of the United States and Canada in their relationship to the cultural landscape. Intended for those specializing in education or in the social sciences. Offered only second semester.

- 206. Geography of South America** **Three hours**
 A study of the geographic structure of South America in relation to human adjustment and culture. Intended for those specializing in education or in the social sciences. Not offered 1965-'66.
- 207. Geography of the Far East and the Pacific Area** **Three hours**
 A study of the geographic and historical background of India, China, Japan, Soviet Asia, Australia, and minor areas of the Far East and the Pacific. The course also deals with the geographic aspects of certain problems dealing with industry, agriculture, and population. Not offered 1965-'66.
- 209. Geography of the Caribbean Area** **Three hours**
 A study of the geographic and historic background of this area. The course deals with the geographic aspects of certain problems related to industry, agriculture, and population. Not offered 1965-'66.

German

FRIDSMA (chairman), **BOERSMA**, **BRASHLER**, ***W. BRATT**, **HEGEWALD**, **KRAJENBRINK**, **KREUZER**, **ROSENBOOM**

Freshmen who have had three years of German in high school should take German 202 immediately upon enrollment in the fall.

- 101. Elementary German** **Four hours**
 A beginners' course stressing both written and spoken German and aiming at familiarity with basic grammatical patterns.
- 102. Elementary German** **Four hours**
 Continuation of 101.
- 201. Intermediate German** **Three hours**
 Selected prose readings. Grammar review, composition, and collateral reading reports. Prerequisites: 101 and 102.
- 202. Intermediate German** **Three hours**
 More advanced readings in prose and/or poetry. Grammar review and composition continued. Collateral reading reports. Prerequisite: 201, or three units of high school German.
- 205. Advanced Oral and Written Composition** **Two hours**
 Prerequisite: 202.
- 207. Readings in Major German Authors I** **Three hours**
 Basic introduction to German literature. Selected readings in major German authors from 1750 on. Assigned readings and papers. Prerequisites: German 201-202.
- 208. Readings in Major German Authors II** **Three hours**
 Continuation of 207.
- 301. Classicism** **Three hours**
 The origins of the classical ideal during the seventeenth and early eighteenth centuries. Readings from Klopstock, Lessing, Goethe, and Schiller. Prerequisite for either semester: 202. Not offered 1965-'66.
- 302. Classicism** **Three hours**
 Continuation of 301.
- 303. Romanticism** **Three hours**
 The literary theory and philosophical-religious basis of the German romantic movement as reflected in representative works of both earlier and later Romanticists. Prerequisite: 202. Not offered 1965-'66.

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- 304. Realism** **Three hours**
 Reading in the literary prose of the latter half of the nineteenth century. A survey of the intellectual and cultural changes immediately preceding this era and an analysis of some literary works characteristic of the period. Prerequisite: 202. Not offered 1965-'66.
- 305. Early Nineteenth Century Drama** **Three hours**
 A comprehensive study of the lives and works of leading German dramatists of the early nineteenth century. Assigned readings. Papers on related subjects. Prerequisite: 202.
- 306. Later Nineteenth Century Drama** **Three hours**
 A study of Hebbel and Hauptmann and their times. Assigned reading and reports. Prerequisites: 202 and preferably 305.
- 307. Studies in Modern German Literature I** **Three hours**
 A comprehensive study of the major writers and movements from 1890 to the present. Among the figures considered are Mann, Rilke, Kafka, Hesse, and Brecht. Assigned readings and papers. Prerequisites: German 207-208 or permission of instructor.
- 308. Studies in Modern German Literature II** **Three hours**
 Continuation of 307.

Greek

RADIUS (chairman), HARRIS, R. OTTEN, WEVERS

- 101. Beginners' Greek** **Four hours**
 Text: Crosby and Schaeffer, *An Introduction to Greek*.
- 102. Beginners' Greek** **Four hours**
 Continuation of 101. Completion of the text and the reading of the first book of Xenophon *Anabasis*, or its equivalent.
- 201. Intermediate Greek** **Three hours**
 Reading in Attic prose, particularly Plato's *Apology* and earlier *Dialogues*.
- 202. Intermediate Greek** **Three hours**
 An introduction to Greek poetic forms through readings in the Homeric epic and Attic drama.
- 311. Greek History** **Three hours**
 The political, social and cultural history of the Greek city-states up to the time of the Roman conquest. Some attention is also given to the history of the Near and Middle East. Open only to Juniors and Seniors who are Pre-Law, Pre-Seminary, History or Classics majors; others must secure permission.
- 313. New Testament Greek** **Three hours**
 The Gospel according to St. Mark is read with some notice of the parallel passages in the other Gospels. A study is made of the special features of Hellenistic Greek. The significance of lexical and syntactical detail for the interpretation of the text is everywhere emphasized.
- 314. New Testament Greek** **Three hours**
 A study is made of some of the Pauline Epistles. Prerequisite: 313.
- 319. Plato's Republic** **Three hours**
 The Greek text is studied. This course aims at an understanding and evaluation of Plato's views as presented especially in the Republic. Prerequisite: two years of Greek.
- 320. Plato's Republic** **Three hours**
 Continuation of 319, which is also a prerequisite.

History

IPPEL (chairman), **R. BOLT**, **BRINKS**, **DE BEER**, **DE BIE**, **GROEN**, **JELLEMA**, **MARSDEN**, **MILLER**, **RADIUS**, **RIENSTRA**, **STRIKWERDA**, **SWIERENGA**, **VAN KLEY**, **WEVERS**

History majors in either the general A.B. or the B.A. in Ed. programs are required to complete a minimum of 30 hours of history including History 101-102, American History 215-216, and the Senior Seminar History 391, plus at least two of the following year sequences: Greek and Roman History 311-312; Medieval History 307-308; Early Modern European History 309-310; Modern and Contemporary History 205-206; English History 203-204 or 313-314; and Russian and Eastern European History 211-212. Economics 201-202 and Political Science 203-204 are recommended, and suggested minors are economics, political science, English, foreign language, or philosophy. If possible at least two years of a modern foreign language or its equivalent should be completed except for students with a strong interest in ancient history, in which case two years of Greek or Latin is recommended.

Majors working toward a secondary State Provisional Teacher's Certificate are advised to follow the general A.B. program while meeting the minimum certification requirements of 20 hours of professional education courses, including psychology. Such courses should be so arranged as to avoid splitting year units in subject matter fields. Any student expecting to teach a second field is advised to complete at least 18 hours in that subject in order to meet the conditions of the North Central Association.

A minor in history should include History 101-102 and American History 215-216. A minimum of 18 hours should be completed by any student expecting to teach history.

A student who wishes to be identified as a departmentally-approved major must file written application with the chairman of the department at the close of his sophomore year. No student with a general average in history below B- will be recommended for advanced training.

History 101 and 102 are required of every Freshman who expects to earn the Bachelor of Arts degree.

- | | |
|---|--------------------|
| 101. Growth of Western Civilization | Three hours |
| Surveys of Egyptian, Mesopotamian, Greek, and Roman History. The founding and spread of Christianity. The barbarian invasions, feudalism, the Church, the Empire, the Renaissance, and the Reformation. (Juniors and Seniors will be required to do additional work to receive full credit.) | |
| 102. Growth of Western Civilization | Three hours |
| Continuation of 101. Outlines the rise of the great powers, the several revolutions of modern history, the Napoleonic period, and the major political phenomena of the nineteenth and the twentieth centuries. (Juniors and Seniors will be required to do additional work to receive full credit.) | |
| 203. English History | Three hours |
| The development of Britain from Roman times, through the Anglo-Saxon period, Norman England, the Middle Ages, with emphasis on the Tudor and Stuart eras. Not offered 1965-'66. | |
| 204. Great Britain Since 1714 | Three hours |
| The development of Britain in the eighteenth, nineteenth and twentieth centuries with emphasis upon the growth of democracy and the establishment of the British Empire. Not offered 1965-'66. | |
| 205. Modern and Contemporary Europe Since 1815 | Three hours |
| Western Europe from the Congress of Vienna to about the end of the century. Outlines political and economic history and examines nationalism, liberalism, socialism, Darwinism, and industrialism. Not open to Freshmen. | |

- 206. Modern and Contemporary Europe Since 1815** **Three hours**
Continuation of 205. Western Europe from about 1900 to the present, with particular emphasis on Russia and the modern Near Eastern Question. The problems of the new economic and political balance of power, the conflict of ideologies, cultural relativism, the new age of conservatism. Not open to Freshmen.
- 209. Canadian History** **Three hours**
A tracing of the political, economic, and cultural history of Canada and the Atlantic Provinces to the Quebec Conference of 1864. Lectures and student reports.
- 210. Canadian History** **Three hours**
Continuation of 209. A survey of Canada's history from the Confederation to the present. Includes an analysis of cabinet or parliamentary government. Lectures and student reports.
- 211. Russian and Eastern European History** **Three hours**
The study of Russian and East European history from the Byzantine and Slavic origins up to the Congress of Vienna. Assigned readings and reports.
- 212. Russian and Eastern European History** **Three hours**
The study of Russian and East European history from the Congress of Vienna to the near present. The course will be concentrated upon the causes, nature, and consequences of the Russian Revolution. Assigned readings and reports.
- 215. American History** **Three hours**
European backgrounds, colonial development, the Revolution, the onset of the national period, Jacksonianism, sectionalism, and the Civil War.
- 216. American History** **Three hours**
Continuation of 215. The aftermath of the Civil War, the economic phenomena and political history of the late nineteenth century, the Roosevelt and the Wilson eras, the New Deal and the Second World War.
- 217. Introduction to Far Eastern Civilization** **Three hours**
An introduction to the history of East Asian civilizations from the earliest times to the present day. Primary emphasis will be placed on the civilizations of China and Japan, and special attention will be given to the contacts between East Asia and the West.
- 218. Introduction to Far Eastern Civilization** **Three hours**
Continuation of 217.
- 303. American Diplomatic History** **Three hours**
The diplomatic relations of the United States since 1789, with emphasis upon colonial background, problems of a New Nation, War of 1812, Monroe Doctrine, and expansionist problems prior to the Civil War.
- 304. American Diplomatic History** **Three hours**
A continuation of 303 with particular emphasis upon the changing role of the United States in world affairs as shown in the Spanish American War, relations with Latin America, and participation in two World Wars.
- 305. Latin American History** **Three hours**
An account of the history, government, and the social and economic development of the Central and South American colonies of Spain, and Portugal. Not offered 1965-'66.
- 306. Latin American History** **Three hours**
Continuation of 305. Presents the histories and governments of the several Central and South American countries during their national periods to the present. Not offered 1965-'66.

- 307. Medieval History** **Three hours**
 The study of European history from the establishment of Christianity as a civilizing force to the twelfth century rise of cities. Three or four interpretive papers are to be written. For Juniors and Seniors.
- 308. Medieval History** **Three hours**
 Continuation of 307, from the Renaissance of the twelfth century to the Italian Renaissance. Intellectual and religious developments are emphasized. The same requirements as for 307.
- 309. Modern Europe to 1648** **Three hours**
 A history of Europe between 1500 and 1648, with primary emphasis on the various phases of the Reformation, the Counter-Reformation, and the wars of religion.
- 310. Modern Europe: 1648 to 1815** **Three hours**
 The age of Louis XIV, the Age of Reason, the Enlightenment. Includes the intellectual, religious, and cultural movements, as well as the colonial conflicts. Ends with the French Revolution.
- 311. Greek History** **Three hours**
 The political, social and cultural history of the Greek city-states up to the time of the Roman conquest. Some attention is given also to the history of the Near and Middle East. Open only to Juniors and Seniors who are Pre-Law, Pre-Seminary, history or classics majors; others must secure permission.
- 312. Roman History** **Three hours**
 The history of Rome from the foundation of the city to A.D. 565, the death of Justinian. The emphasis falls on the development of the constitution and its effect upon, and how in turn it was affected by, the expansion of Rome over the Mediterranean. Economic, social, and literary history studied in their relation to the political. The decline of paganism and the rise of Christianity are reviewed in their relation to each other. Pre-requisite: 311.
- 313. English Constitutional History** **Three hours**
 A study of the origins and subsequent developments of English legal institutions, law, and constitutional usages from Anglo-Saxon times to the close of the Middle Ages.
- 314. English Constitutional History** **Three hours**
 Continuation of 313.
- 315. American Constitutional History** **Three hours**
 A study of the development of American political ideas, institutions and practices from colonial precedents to contemporary problems. Emphasizes the origin, character, and evolution of the American constitution and the court decisions which interpret it. Not offered 1965-'66.
- 316. American Constitutional History** **Three hours**
 A continuation of History 315. Not offered 1965-'66.
- 325. Dutch History** **Three hours**
 An introduction to the history of the Netherlands from its medieval beginnings to the present day. Not offered 1965-'66.
- 326. Dutch History** **Three hours**
 Continuation of 325. Not offered 1965-'66.
- 327. Social and Intellectual History of the United States** **Three hours**
 A study of influential ideas, systems of thought, religious values and individuals prominent in the development of American culture and society from pre-Revolutionary times to the present.

- 328. Social and Intellectual History of the United States** Three hours
A continuation of History 327.
- 391. Seminar in History** Three hours
A course taught by the staff in the history of history, the interpretation of history, historical bibliography, and the writing of history. Required of all majors as defined in the departmental requirements, during the senior year, and open to others by permission. Offered each semester.

Latin

RADIUS (chairman), HARRIS, R. OTTEN, VAN VUGT, WEVERS

Pre-Seminarians — (see page 62)

Others —

- Those who have had one year in high school take 101.
Those who have had two years in high school take 105.
Those who have had three years in high school take 202.
Those who have had 101-2 in college take 201.
- 101. Elementary Latin** Four hours
For students who have had only one unit of high-school Latin or who have had no Latin. Emphasis is placed on the essentials of grammar and a basic vocabulary with constant comparison to English. *Sententiae* from the principal Latin authors will be read.
- 102. Elementary Latin** Four hours
A continuation of 101. Emphasis is placed on grammar and the early reading of longer selections of authentic Latin dealing with Roman history and culture. Prerequisite: 101 or its equivalent.
- 105. Intermediate Latin** Three hours
For students who enter with two units of high-school Latin. A thorough review of the essentials of grammar will accompany the reading of selected Latin prose.
- 106. Intermediate Latin** Three hours
A continuation of 105. An introductory reading of Vergil's *Aeneid* in English translation leading to a study of selected books and passages in Latin.
- 201. Latin Readings** Three hours
For students who have had one year of Latin in college. Open only by special permission to those who enter with two units of high-school Latin. Selected authors will be read with some attention to review of syntax.
- 202. Vergil's Aeneid** Three hours
For those who have had 201 or three units of high-school Latin. A study of the Latin epic. The whole of the *Aeneid* will be read in English translation. Selected books will be read in Latin with a study of the prosody of Vergil. Offered both semesters.
- 205. Readings in Latin Literature I** Three hours
Intensive reading in the major writers of prose from the Late Republic to the Early Empire. Collateral reading in the literary history of the period. Prerequisite: 106 or 202.
- 206. Readings in Latin Literature II** Three hours
Intensive reading in the major writers of poetry from the Late Republic to the Early Empire. Collateral readings in the literary history of the period. Prerequisite: 106 or 202.

- 206. Readings in the Church Fathers** **Three hours**
 Reading of selected portions of Lactanius' *Divinae Institutiones* and other patristic literature. Prerequisite: 105 or 201.
- 301. Lucretius and Cicero** **Three hours**
 Selections from Lucretius and Cicero, designed to portray some of the major issues posed by classical thought. Collateral reading and reports. Alternates with Latin 303. Prerequisite 205 or 206.
- 302. Seneca and Augustine** **Three hours**
 Readings from Seneca and Augustine, selected to complete the survey begun in 301 and to give the first significant Christian critique of classical thought as delineated in the *De Civitate Dei* of Augustine. Collateral reading and reports. Alternates with 304. Prerequisite 205 or 206.
- 303. Latin Poetry** **Three hours**
 A study of Latin poetry from Catullus through the Elegiac Poets, with some attention to early Christian and Medieval Poetry. Collateral reading and reports. Alternates with 301. Prerequisite 205 or 206. Not offered 1965-'66.
- 304. Roman Historical Thought** **Three hours**
 Representative selections from such historians as Sallust, Livy, Tacitus, and Suetonius. Collateral reading and reports. Alternates with 302. Prerequisite 205 or 206. Not offered 1965-'66.
- 312. Roman History** **Three hours**
 The history of Rome from the foundation of the city to A.D. 565, the death of Justinian. The emphasis falls on the development of the constitution and its effect upon, and how in turn it was affected by, the expansion of Rome over the Mediterranean. Economic, social and literary history studied in its relation to the political. The decline of paganism and the rise of Christianity are viewed in their relation to each other. Prerequisite: Greek 311 or History 311.
- 327. Latin Grammar and Writing** **Three hours**
 A thorough review of Latin grammar and syntax will be made, and attention will be given to Latin writing. There is also included an exposition of the pedagogy of presenting Latin grammar. For this reason the course should be postponed to the senior year of students who plan to teach Latin. Prerequisite: consult instructor. Offered both semesters.

Mathematics

SINKE (chairman), BOONSTRA, NYHOFF, TULS, VELDKAMP, ZWIER

Students who wish to major in mathematics should take Mathematics 101, 103, and 104 in high school. These courses will not be credited toward a college major in mathematics.

Qualified students (those whose preparation includes four semesters of algebra, two semesters of geometry, and one semester of trigonometry) who are planning to major in mathematics are directed to enroll in Mathematics 111, which is the first course in the major program.

Minimum requirements for a major in mathematics include: Mathematics 111, 112, 211, 212, plus two additional courses from those numbered 300 or above. Students planning to pursue graduate studies in Mathematics should take Mathematics 311, 312, 308, 309, and 310. Such students are urged to acquire a reading knowledge of two foreign languages.

Prospective teachers of high school mathematics (who must present 30 hours of mathematics in the major program) must take, in addition to the analytic geometry and calculus sequence, Mathematics 309 and 320, plus two additional courses numbered 300 or above.

Prospective secondary teachers who minor in mathematics must take Mathematics 111, 112, 211, or their equivalent, together with Mathematics 309 and Mathematics 320 in their minor program.

A student who desires to major in mathematics must receive departmental approval. He must file application for such approval with the chairman of the department not later than the beginning of the junior year.

- 101. Advanced Algebra** **Three hours**
 For those who have had only one year of high school algebra. Fundamental operations, special products, factoring, fractions, linear equations, ratio, proportion, variation, linear systems, quadratic equations, exponents, radicals, logarithms. Offered each semester.
- 103. College Algebra** **Three hours**
 This course is the equivalent of Algebra 4 in high school. Theory of quadratics, inequalities, complex numbers, systems of quadratics, theory of equations, binomial theorem, mathematical induction, progressions, determinants, partial fractions, infinite series. Offered each semester.
- 104. Plane Trigonometry** **Three hours**
 Prerequisite: 101 and Plane Geometry. Offered each semester.
- 109. Elements of Modern Mathematics** **Four hours**
 A course designed to acquaint the general college student with the basic concepts of mathematics, using logic and sets. Emphasis falls on understanding rather than on manipulative skill. Prerequisite: one year of high school algebra and one year of geometry, or permission of the instructor. *Not open to mathematic majors.*
- 111. Analytic Geometry and Calculus** **Four hours**
 The real number system, straight lines, circles, functions, limits, derivatives, differentiation of algebraic functions, applications. Prerequisite: Four semesters of algebra and one semester of trigonometry. Offered each semester.
- 112. Calculus and Analytic Geometry** **Four hours**
 Conic sections, definite integrals, transcendental functions, formal integration, applications. Prerequisite: 111. Offered each semester.
- 205. Mathematics for Business Analysis** **Three hours**
 Functions and graphs, equations and inequalities, introduction to vectors and matrices, progressions, derivatives and integrals of simple functions. Particular emphasis falls on business applications such as optimum solutions, linear programming, interest and annuities. Prerequisite: 101.
- 206. Elementary Statistics** **Three hours**
 Description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypothesis, correlation, regression. Prerequisite: 101. For business administration students 205 is required.
- 211. Calculus and Analytic Geometry** **Five hours**
 Advanced formal integration, applications, properties of functions, parametric equations, polar coordinates, infinite series, solid analytic geometry, vectors. Prerequisite: 112. Offered each semester.
- 212. Calculus and Differential Equations** **Five hours**
 Partial differentiation, multiple integrals, differential equations of first order and first degree, orthogonal trajectories, linear differential equations, operators, variation of parameters, systems of equations, equations of higher degree, power series solutions. Prerequisite: 211.
- 308. Mathematical Statistics** **Three hours**
 Introduction to probability, frequency functions, binomial, Poisson, and normal distributions, central limit theorem, distribution of sample statistics,

- applications to hypothesis testing and estimation of parameters. Prerequisite: 212 or its equivalent.
- 309. Introduction to Modern Algebra** Three hours
 Fundamental concepts of sets, mappings, relations, and operations; the real number system, integral domains, fields, polynomial domains, the complex number field, groups, rings. Prerequisite: 211 or its equivalent.
- 310. Introduction to Linear Algebra** Three hours
 Elements of finite dimensional vector spaces, determinants, linear transformations, matrices, canonical forms. Prerequisite: 211 or its equivalent.
- 311. Advanced Analysis** Three hours
 Vector analysis, Jacobians, implicit function theorem, curvilinear coordinates, line integrals, Green's, Stokes', and Gauss' theorems. Prerequisite: 212.
- 312. Advanced Analysis** Three hours
 Infinite series, functions of a complex variable, orthogonal functions, Fourier series. Prerequisite: 212.
- 320. Foundations of Geometry** Three hours
 Modern elementary geometry, theorems of Menelaus and Ceva, cross ratio, harmonic division, geometry of the circle, the inversion transformation, foundations of geometry non-Euclidean geometry, the Poincaré model.

Music

SWETS (chairman), HAMERSMA (co-chairman), DE JONGE, GEERDES, HUISMAN, KNOL, RUS

For major and minor programs in music, consult page 70.

THEORY

- 103. Theory and Harmony** Three hours
 The elements of music: tonality, notation, rhythm. A coordinated study of harmony through the ear, eye, and keyboard. Writing and harmonization of hymn tunes and chorales, sight-singing, dictation using primary and dominant seventh chords. One hour laboratory period per week required.
- 104. Theory and Harmony** Three hours
 Continuation of 103.
- 203. Theory and Harmony, Advanced** Three hours
 Continuation of 103-104. Use of all diatonic triads and seventh chords, altered chords, color chords. Problems of composition involving smaller forms. Continuation of sight-singing and dictation. One hour laboratory period per week required.
- 204. Theory and Harmony, Advanced** Three hours
 Continuation of 203.
- 303. Counterpoint** Three hours
 The principles of contrapuntal composition, including a study of species counterpoint and a detailed analysis of Palestrinian counterpoint.
- 304. Counterpoint** Three hours
 Continuation of 303.
- 315. Arranging** Three hours
 The problems involved in writing for orchestra, band, and choir. A survey of the technical limitations of each instrument and of the human voice. Arrangements written by class members will be performed by student organizations whenever practical. Prerequisite: 103-104. Not offered 1965-'66.
- 316. Arranging** Three hours
 Continuation of 315. Not offered 1965-'66.

HISTORY AND LITERATURE

- 211. Introduction to Music Literature** **Three hours**
 General course designed to develop intelligent discrimination in the listener. Structural principles and aesthetic content of music with reference to the various forms and styles will be considered. The course is planned to give a general idea of the entire realm of music and is intended alike for the technical musician and those who wish to become merely intelligent listeners.
- 212. Music Literature** **Three hours**
 Continuation of 211.
- 219. Church Music** **Two hours**
 A historical survey of the worship music of the ancient Hebrews, the early Christian church, the Roman church and the churches of the Reformation. A study of the development of plain song, the Lutheran chorale and the Genevan-Dutch psalm tunes. Not offered 1965-'66.
- 220. Church Music** **Two hours**
 A historical survey of the music of the church in post-Reformation England and America. A study of the organ and its literature and of the English hymn. Principles of appropriate worship music are discussed in the light of the history of the music of the church. Prerequisite: 219. Not offered 1965-'66.
- 305. History of Music** **Three hours**
 The development of the art of music from the earliest times to the present. Oratorio and church music, the opera, songs, and instrumental music. Biographies of composers. Representative compositions of each main period presented in class. Lectures, collateral reading, term papers, and textbook work.
- 306. History of Music** **Three hours**
 Continuation of 305.
- 307. Form** **Two hours**
 A study of the development of musical forms, beginning with the early plain song, masses, motets, madrigals, and continuing through early orchestral and instrumental compositions. The relationship of musical form to problems of tonality, rhythm, unity and variety. Not offered 1965-'66.
- 308. Form** **Two hours**
 Continuation of 307. Not offered 1965-'66.
- 311. Symphonic Literature** **Three hours**
 A study of the development of the Symphony from the early sonatas, suites, and overtures, to the modern symphony.
- 312. Symphonic Literature** **Three hours**
 Continuation of 311. The second semester will be devoted primarily to the symphonic poem.
- 326. Chamber Music** **Three hours**
 A general course designed to provide the historical and musical background necessary for perceptive listening to music for small ensembles. The Cayvan Collection of recordings and scores will be used to give the student an insight into music written for trios, quartets, and quintets of string or wind instruments. The course is designed for the general college student who wishes to acquaint himself with this medium of musical expression.

MUSIC EDUCATION

- 221. Elements of Music** **Three hours**
 A course designed to give basic training in the melodic, rhythmic and harmonic elements of music for the prospective grade teacher. Special at-

tention is given to coordinating the ear, eye, voice, and piano keyboard. Not open to students who have taken Music 103.

- 222. Elementary School Music** **Three hours**
 A course designed to prepare the regular grade teacher for teaching music in the grades. Includes the study of child voice problems, rote-song teaching, conducting, music-reading, and an evaluation of basic music texts and supplementary music materials. Collateral reading. Prerequisite: Music 221 or its equivalent. Not open to students who have taken Music 331.
- 313. Conducting** **One hour**
 A beginning course in basic, general conducting, working with hymns, folksongs, and choral literature. One hour of class and one hour of conducting lab per week is required. Prerequisite 103-104.
- 314. Conducting** **One hour**
 A continuation of 313, with students studying in their area of special interest in either instrumental or choral conducting. One hour of class and one hour of conducting lab per week is required. Prerequisite: 313.
- 331. Advanced Elementary School Music** **Three hours**
 A course designed to prepare the vocal music education major for teaching, organizing and administering all aspects of vocal music in the elementary grades. Must not be taken later than junior year. Prerequisite: Music 103-104, or equivalent.
- 332. Secondary School Vocal Music** **Three hours**
 The study and evaluation of the aims, content, and procedures of a vocal music program for junior and senior high schools. Includes consideration of the changing voice, voice-testing and classification, general music class, and the principles underlying the organization and development of choral groups. Collateral reading. Must not be taken later than junior year. Prerequisite: Music 103-104 or equivalent.
- 333. Organization and Administration of Instrumental Music** **Three hours**
 Problems in the organization of a school instrumental program, beginning with the establishment of elementary school rhythm bands; principles of class instruction in orchestra and band instruments; evaluation of methods of class instruction; orchestra and band organization; repertoire. Must be taken no later than the junior year.

APPLIED MUSIC

All applied music students should study with a member of the college staff. In case of an overload in the department, it may be necessary for the chairman of the department to recommend that the student study with an approved teacher in the community. This recommendation will be made only in an emergency.

Applied music concentrates are required to give the equivalent of one half recital in the sophomore or junior year, and a full recital in the senior year.

All applied music students and all music majors are required to attend repertory class or studio class each Thursday at 1:00 p.m. Studio classes for pianists and organists meet each Tuesday at 1:00 p.m. Attendance is necessary in order to receive credit in applied music.

All applied music students must appear before a jury consisting of the members of the music faculty for examination at the end of each semester to determine placement and grade.

All entering applied music students will be given provisional placement for the semester by the instructor. Final placement will be determined by the jury at the end of the semester.

The applied music requirements of the Music Department conform to the standards set up by the National Association of Schools of Music in 1947.

A maximum of 8 semester hours of credit in Applied Music will be allowed towards the Bachelor's Degree, except for music majors concentrating in Applied Music, in which case the maximum is 16 hours.

Individual Lessons

- 109-110, 209-210, 309-310, 319-320 Organ** **One hour**
 Individual lessons in organ. Fee: \$45 per semester. Practice fee: \$15 per semester.
- 109c-110c, 209c-210c, 309c-310c, 319-320c Organ** **Two hours**
 Individual lessons for the Music Major concentrating in organ. Fee: \$45 per semester. Practice fee: \$15 per semester.
- 117-118, 217-218, 317-318, 327-328 Voice** **One hour**
 Individual lessons in voice. Fee \$45 per semester.
- 117c-118c, 217c-218c, 317c-318c, 327c-328c Voice** **Two hours**
 Individual lessons for the Music Major concentrating in voice. Fee: \$45 per semester.
- 141-142, 241-242, 341-342, 351-352 Piano** **One hour**
 Individual lessons in piano. Fee: \$45 per semester.
- 141c-142c, 241c-242c, 341c-342c, 351c-352c Piano** **Two hours**
 Individual lessons for the Music Major concentrating in piano. Fee: \$45 per semester.
- 161-162, 261-262, 361-362, 461-462 Strings** **One hour**
 Individual lessons in violin, viola, violoncello or bass violin. Fee: \$45 per semester.
- 161c-162c, 261c-262c, 361c-362c, 461c-462c Strings** **Two hours**
 Individual lessons for the Music Major concentrating in violin, viola, violoncello, or bass violin. Fee: \$45 per semester.
- 171-172, 271-272, 371-372, 471-472 Woodwinds** **One hour**
 Individual lessons in flute, oboe, clarinet, bassoon or saxophone. Fee: \$45 per semester.
- 171c-172c, 271c-272c, 371c-372c, 471c-472c Woodwinds** **Two hours**
 Individual lessons for the Music Major concentrating in flute, oboe, clarinet, bassoon or saxophone. Fee: \$45 per semester.
- 181-182, 281-282, 381-382, 481-482 Brasses** **One hour**
 Individual lessons in cornet, horn, baritone, trombone or bass horn. Fee: \$45 per semester.
- 181c-182c, 281c-282c, 381c-382c, 481c-482c Brasses** **Two hours**
 Individual lessons for the Music Major concentrating in cornet, horn, baritone, trombone or bass horn. Fee: \$45 per semester.
- 191. Percussion** **One hour**
 Individual lessons in snare drum, tympani and other percussion instruments. Fee: \$45 per semester.

Class Lessons

- 119-120. Voice** **One hour**
 Class lessons in voice for the music major concentrating in Instrumental Music Education.
- 163-164. Strings** **One hour**
 Class lessons in string instruments for the music major concentrating in Instrumental Music Education. Two class lessons per week.

- 173-174. Woodwinds** **One hour**
 Class lessons in woodwinds for the music major concentrating in Instrumental Music Education. Two class lessons per week.
- 183-184. Brasses** **One hour**
 Class lessons in brass instruments for the music major concentrating in Instrumental Music Education. Two class lessons per week.
- 193. Percussion** **One hour**
 Class lessons in percussion instruments for the music major concentrating in Instrumental Music Education. Two class lessons per week.
- 199-200. Repertory Class** **No credit**
 Students perform for their fellow students and for the music faculty to gain experience in public performance and to increase their knowledge of music literature. Attendance is required of all music majors and students of Applied Music. Others are invited.

Ensembles

- 101-102. Oratorio Chorus** **No credit**
 The study of representative works of the great masters of choral writing with a view to public performance. Handel's *Messiah* is rendered annually at Christmas time. Another oratorio is presented in the spring. Open to all who meet the requirements of voice and musicianship.
- 107-108. Radio Choir** **One hour**
 Performs weekly as the Choir of the Back to God Hour over both the NBC and the Mutual Networks. Representative works in the field of church music suitable for radio performance are used. Open only to those who meet the demands of voice and musicianship. One hour credit for each semester.
- 113-114. Varsity Band** **No credit**
 Membership in this band is open to all students who have had some experience on a wind or percussion instrument. It is designed for students whose schedules or qualifications do not permit their immediate membership in the concert band. The band plays for athletic events, Knollcrest campus activities, and other college functions. One rehearsal a week.
- 207-208. A Cappella Choir** **One hour**
 Representative works in the field of choral literature are studied and a limited number of selections are prepared for concert performance. Open only to those who meet the demands of voice and musicianship. One hour credit for each semester.
- 213-214. Band** **One hour**
 Representative works in the field of band literature are studied and prepared for concert performance. Open to all students who meet the demands of musicianship. Two rehearsals a week. One hour credit for each semester.
- 215-216. Orchestra** **One hour**
 Representative works in the field of chamber and symphony orchestra literature are studied and prepared for concert performance. Open to all students who meet the demands of musicianship. One two-hour full orchestra rehearsal per week, plus a one-hour string sectional rehearsal. One hour credit each semester.
- 227-228. Chamber Band** **No credit**
 This band offers instrumental music majors and other qualified players a chance to perform works particularly suited to a wind ensemble of about 40 members. Open to a select group of players from the Concert Band. One rehearsal per week.

Philosophy

PRINS (chairman), DE VOS, ORLEBEKE, A. PLANTINGA, RUNNER, *WOLTERSTORFF

Every candidate for the A.B. degree, General College, is required to take six hours of philosophy, exclusive of Logic. To fulfill this six-hour requirement, the student may choose any one of the following combinations, (a) being the usual sequence.

- (a) Perspectives 201 and 202.
- (b) Ethics and any one of the following: Perspectives 201, Perspectives 202, History of Philosophy: Ancient.
- (c) History of Philosophy: Ancient, followed by Perspectives 202.
- (d) Perspectives 201, followed by History of Philosophy: Modern.

Philosophy Majors:

Students who plan to major in philosophy should make application to the chairman of the department *not later than the beginning of the junior year*, and should thereafter arrange *each semester's* program in consultation with him.

Minimum total number of departmental hours required of a philosophy major is 27, distributed as follows:

Logic, History of Philosophy: Ancient, Medieval, Modern	12 hours
Kant	3 hours
Additional courses (advanced) in History of Philosophy, selection to be approved by departmental chairman	6 hours
Systematic disciplines, selection to be approved by departmental chairman	6 hours

Honors in Philosophy: All senior majors seeking honors should enroll in Philosophy 400 the second semester. The requirements for honors are:

- A. A senior thesis to be completed according to the following schedule:
 - Subject - October 15
 - Prospectus - November 15
 - Finished thesis - March 15
- B. Successful completion of departmental comprehensives during the spring term. The departmental comprehensives will be given in the following fields:
 1. History of Philosophy
 2. Systematic disciplines — not fewer than two

ELEMENTARY COURSES

(A student may elect any one of the elementary courses without having had previous courses in Philosophy.)

- | | | |
|--|---|--------------------|
| 200. Logic | A course in elementary deductive logic. Open to Freshmen. Offered each semester. | Three hours |
| 201. Perspectives of Philosophy | An introduction to philosophy which emphasizes basic differences in philosophical orientation and perspectives by way of study of the Greek mind in comparison with the Christian, more particularly as articulated by Augustine. Offered first semester. | Three hours |
| 202. Perspectives of Philosophy | Similar to 201, except that attention is centered on medieval and modern philosophy. Offered second semester. | Three hours |
| 205. Elementary Ethics | Emphasis is on the contrast between the "moral commonwealths" of ethical naturalism, and its various forms, of classic pagan and modern idealism, and of Christianity. Offered first semester. | Three hours |

*On leave of absence second semester 1965-'66.

- 220. History of Philosophy: Ancient** **Three hours**
 Historical and critical study of the philosophical questions raised in the Greek and Hellenistic periods, and of the implicit movement in the proffered solutions. Through Plotinus. Offered each semester.

INTERMEDIATE COURSES

(Intermediate courses normally presuppose three hours of Philosophy, but are open to all qualified *Juniors and Seniors*.)

- 301. History of Philosophy: Medieval** **Three hours**
 Historical and critical study of the Christian philosophical perspective from the beginnings of Christianity to the Renaissance. Offered each semester.
- 302. History of Philosophy: Modern** **Three hours**
 Historical and critical study of Western philosophy from the Renaissance to Kant. Offered each semester.
- 303. Philosophy of Science** **Three hours**
 A study of philosophical problems arising out of the method and results of modern science. Offered first semester.
- 305. Intermediate Ethics** **Three hours**
 A course in ethics which presupposes some acquaintance with the history of philosophy. (No credit is allowed for 305 if student has had 205.)
- 307. Political Philosophy** **Three hours**
 A history of political thought from the Hebrews to contemporary times, with especial emphasis on the development of democratic ideals and their application.
- 308. Aesthetics** **Three hours**
 A study of the main features of the aesthetic judgment as exemplified in the fine arts, of the relation of art to the aesthetic, and of the relation of aesthetic value to other values, such as the moral. Offered first semester.
- 320. Contemporary Philosophy** **Three hours**
 A study of the history of philosophy of the past 100 years, or some major movements of this period. Offered first semester.

ADVANCED COURSES

(Advanced courses normally presuppose six hours of Philosophy, but are open to all qualified *Seniors*.)

- A. 350-379. Advanced courses in history of philosophy.** Intensive study of some philosopher or philosophical school of the ancient, the medieval, the modern, or the contemporary period.
- 351. Plato** **Three hours**
 Study of the later Platonic dialogues. Not offered 1965-'66.
- 352. Aristotle** **Three hours**
 Advanced study of Aristotle. Offered first semester.
- 355. The Philosophy of Augustine** **Three hours**
 An attempt is made to assess the philosophy of Augustine by studying particularly the Cassiciacum dialogues in the light of the philosophy of the period. Readings of later writings down through the *De Civitate Dei* and the *De Trinitate* in selection. Offered second semester.
- 361. The Philosophy of Thomas Aquinas** **Three hours**
 A course in Thomistic thought, including analysis of portions of the *Summa Theologica*.

- 365. Kant** **Three hours**
 Study of the *Critique of Pure Reason*. Offered second semester.
- 367. The Philosophy of Kierkegaard** **Three hours**
 An intensive study of the major writings of Kierkegaard, especially *The Philosophical Fragments and The Concluding Unscientific Postscript*. Offered in 1965-'66.
- B. 380-399. Advanced courses in systematic disciplines of philosophy.**
- 381. Advanced Logic** **Three hours**
 Offered first semester 1965-'66.
- 385. Philosophy of Religion** **Three hours**
 A study of the rational justifiability of certain beliefs central to Christianity. Offered second semester 1965-'66.
- 395. Ontology (Metaphysics)** **Three hours**
 Offered first semester 1965-66.
- 400. Senior Honors Thesis** **Three hours**

Physical Education

STEEN (chairman), TIMMER, TUUK, VROON, D. ZUIDEMA, M. ZUIDEMA

REQUIRED PHYSICAL EDUCATION

Both men and women students are required to take physical education in the four semesters of their freshman and sophomore years. The Foundations course (P.E. 140) must be taken in the first semester of the freshman year.

Classes meet twice per week. Each course runs a full semester but is divided into two units of activity. Both units must be completed to receive credit for the course. Students may not repeat for credit any instructional unit.

The physical education requirement must be completed by the end of the sophomore year. Juniors and Seniors who have not fulfilled their requirements will be assigned extra work upon enrolling in a course.

Students should select the section of a course that fits their ability level. The 100 series sections are intended for beginners while the 200 series courses are intended for the more advanced in skill students. Students who were varsity letter winners in a sport in high school may not elect that sport in physical education.

FOUNDATIONS AND SPORTS ACTIVITIES

I. Foundations: 140 — Foundations and Sports Orientation; 142 — Foundations and Track/Field; 143 — Foundations and Touch Football; 144 — Foundations and Field Hockey; 145 — Foundations and Softball.

II. Team and Conditioning: 160 or 260 — Soccer and Basketball; 161 or 261 — Soccer and Volleyball; 162 or 262 — Volleyball and Touch Football; 165 or 265 — Volleyball and Baseball-Softball; 166 or 266 — Basketball and Volleyball; 167 or 267 — Basketball and Physical Fitness; 168 or 268 — Volleyball and Physical Fitness; 169 or 269 — Volleyball and Field Hockey; 170 or 270 — Soccer and Gymnastics; 171 or 271 — Soccer and Physical Fitness; 172 or 272 — Track and Combinations; 173 or 273 — Field Hockey and Body Mechanics.

III. Individual and Dual: 180 or 280 — Tennis and Badminton; 181 or 281 — Tennis and Archery; 182 or 282 — Archery and Badminton; 183 or 283 — Combatives and Golf; 184 or 284 Combatives and Tennis; 185 or 285 — Combatives and Archery; 186 or 286 — Golf and Badminton; 187 or 287 — Tennis and Handball; 188 or 288 — Body Mechanics and Tennis; 189 or 289 — Body Mechanics and Archery; 190 or 290 — Golf and Handball; 191 or 291 — Tennis and Volleyball.

PROFESSIONAL COURSES

Students desiring the degree of A.B. in Education may obtain a major in this department. Biology 105 and 106 are required for the program.

Students must meet requirements for the Red Cross First Aid Certificate. This course will be offered annually.

- 104. History and Principles of Physical Education** **Two hours**
 Traces the history of Physical Education from its early origin to present-day trends. Considers the relation of Physical Education to life and ideas. Acquaints the student with the profession of Physical Education.
- 203. Organization and Administration of Physical Education** **Three hours**
 A study of the representative programs of physical education and evaluation of these programs. Not open to Freshmen.
- 204. Community Recreation** **Two hours**
 A study of the development, administration, and use of leisure time within the community and of the community agencies organized to meet present-day recreational needs. Not open to Freshmen.
- 205. Coaching of Basketball** **Two hours**
 A consideration of the fundamentals that make up the game of basketball; team conditioning, styles of play, and team strategy.
- 206. Coaching of Spring Sports** **Three hours**
 A study of the fundamentals of track, baseball and soccer. Methods of teaching and coaching of these sports are also discussed. Not open to Freshmen.
- 207. Individual Competences — For Majors** **Four hours**
 See description of course under 208, immediately below.
- 208. Individual Competences — For Minors** **Two hours**
 The course will offer opportunity to physical education majors or minors to develop the physical condition and skills necessary for the beginning teacher of physical education. By means of a program designed to meet the individual needs of such students, it will specifically require active participation and demonstrated competence in a wide variety of sport skills. The course will run for the entire period of a student's work in the major or minor program. Students should apply for admission to this course as soon as they have decided to enter the field of physical education. Students majoring in physical education will be required to have 240 hours of participation; those minoring in physical education 120 hours.
- 222. Team Sports for Women** **Three hours**
 A study of fundamentals, history, and teaching methods of basketball, softball, soccer, and volleyball.
- 223. Teaching of Physical Education in Elementary Schools** **Three hours**
 Theoretical and practical methods in the teaching of play activities to children of the elementary grades.
- 315. Measurement and Evaluation in Physical Education** **Three hours**
 Required of all Physical Education Minor students. A study of the evaluation techniques available in physical education. Emphasis on tests of physical fitness, body mechanics, growth, motor ability, sport skills, and knowledge of health practices and sport activities. Consideration is given to the organization of evaluation programs and the use of such programs. The course gives opportunity for practical experience in administering tests. (prerequisite Physical Education 203.)
- 322. Individual Sports for Women** **Three hours**
 A study of the background, fundamentals, and teaching methods of tennis, golf, badminton, archery and bowling.

Physical Science

DIRKSE (chairman), BROENE, †DE VRIES, VANDER LUGT

110. Physical Science Four hours

This course attempts to evaluate primarily the basic assumptions used in the study of nature, the historical development of several theories and laws, and the results of modern scientific investigations in the fields of Physics and Chemistry. Emphasis is placed on the interrelation of these fields rather than on a study of each by itself. The student may elect to take Chemistry 103 or Physics 201 in place of this course. Prerequisite: Mathematics 109 or its equivalent.

Physics

GRIFFIOEN (acting chairman), KROMMINGA

A student who plans to do graduate work in Physics should complete Physics 205 and 206, as well as all of the 300-level Physics courses. In related fields, he should complete the Mathematics sequence 111, 112, 211, 212, 311, 312 before the end of the Junior year. Four semesters of algebra, two semesters of geometry and one semester of plane trigonometry should be completed in high school, if possible. A reading knowledge of two modern foreign languages is desirable for those planning to enter graduate school.

201. General Physics Four hours

This course is designed for those who do not intend to do further work in Physics. Topics will include classical physics (mechanics, sound, heat, electricity and magnetism, and light) as well as descriptive material in modern physics (relativity, quantum theory, and particle physics). Three lectures and one laboratory period per week. Prerequisite: Plane trigonometry.

202. General Physics Four hours

A continuation of 201 which is a prerequisite.

205. Introductory Physics Five hours

A course for students of science and engineering. An introduction to the major fields of physics: mechanics, heat, wave motion, electricity and magnetism, atomic and nuclear physics. Calculus will be used. Includes one three-hour laboratory period per week. Prerequisite: Mathematics 112 or its equivalent.

206. Introductory Physics Five hours

Continuation of 205, which is a prerequisite.

NOTE: Prerequisites for the following courses are Physics 206 and Mathematics 212.

301. Mechanics Three hours

The fundamental principles of Newtonian Mechanics applied to a single particle, a system of particles, and to the motion of a rigid body; a discussion of central force motion with applications to Kepler's laws and Rutherford scattering laws; the principle of virtual displacements, d'Alembert's principle and Lagrange's equations. Not offered 1965-'66.

302. Mechanics Three hours

Continuation of 301 which is prerequisite. Not offered 1965-'66.

303. Modern Physics Three hours

The theories of special relativity and wave mechanics, with applications to atomic and molecular structure and spectroscopy, X-rays, statistical mechanics, solid state physics, and nuclear physics.

†On leave of absence first semester, 1965-66.

- 304. Modern Physics** **Three hours**
Continuation of 303 which is a prerequisite.
- 305. Thermodynamics** **Three hours**
The principles of Thermodynamics with limited application to the kinetic theory of gases, chemical and electromagnetic systems.
- 306. Optics** **Three hours**
The phenomena of interference, diffraction and polarization. Two lectures and one laboratory period a week.
- 307. Electricity and Magnetism** **Three hours**
The elementary theory of electrostatics, magnetism, direct current and alternating current circuit theory, and electromagnetic waves.
- 308. Electricity and Magnetism** **Three hours**
Continuation of 307 which is a prerequisite.
- 317. Electrical Measurements** **Two hours**
This course provides experience in the techniques and theory of direct and alternating current measurements. One four-hour lecture-laboratory period per week.
- 318. Electronics** **Two hours**
This course provides an introduction to the basic electronic circuits commonly used in physics research. One four-hour lecture-laboratory period per week. Prerequisite: Physics 317 or permission of the instructor.
- 319. Modern Physics Laboratory** **Two hours**
An introduction to the basic laboratory techniques in atomic and nuclear physics and a study of some of the more important experiments on which modern physical theory is based. One four-hour lecture-laboratory period per week. Prerequisite: Physics 318 and enrollment in Physics 303, or the permission of the instructor.
- 320. Physics Research** **Two hours**
Library and laboratory research on an assigned problem. Open only to approved Seniors majoring in physics.

Political Science

IPPEL (chairman), DE BORST, WESTRA

A political science major requires a minimum of 24 hours. These must include particularly courses 203-204 (Introduction), and 305-306 (Political Thought).

Entry to any political science course which is numbered above 300 requires the completion of Political Science 203 and 204 or the permission of the instructor.

Majors in political science should present a minor in one of the following fields: Economics, History, Philosophy, or Sociology.

A minor in political science should include Political Science 203-204.

Students preparing to enter a school of law or contemplating careers in public administration should normally take Economics 307 (Essentials of Accounting) and Economics 309 (Business Law) in addition to a major in political science regardless of choice of minor. (See paragraph above.)

Students preparing for graduate work in foreign relations or who plan careers in foreign service should normally complete a political science major plus four years of a modern language plus one of the above-listed minors.

The meeting or satisfaction of any of the above-stated stipulations in no way releases students from the requirements (overall) of the General A.B. degree.

- 203. Introduction to American Government** **Three hours**
The first semester is intended as an introduction to political science: the nature of government, the state, law; constitutions, forms of government,

ideologies. Designed to provide a background for more intensive study of American government.

- 204. Introduction to American Government** **Three hours**
Continuation of 203. A detailed study of American national government, analyzing its constitutional foundations, its structure and its functions; civil liberties, political parties, pressure groups.
- 205. Government of Modern States** **Three hours**
A study of the governments of the major powers of Europe: Great Britain, France, Germany and Russia. Sketches the historical background and the major factors (social, economic, ideological) which influence the process of government in each of these countries. Special attention is paid to post-war developments, to political movements, and to comparison of democratic and dictatorial regimes. Not offered 1965-'66.
- 206. Government of Modern States** **Three hours**
Continuation of 205. Includes brief treatment of the governments of some minor European states: Switzerland, the Netherlands. Not offered 1965-'66.
- 301. State and Local Government** **Three hours**
The development and philosophy of the American federal system; constitutional bases of state and local government; state and local administrative problems; formal and informal distribution of power in local communities.
- 302. Parties, Public Opinion, and Pressure Groups** **Three hours**
A study of the basic ideas of political parties and pressure groups; party organization, finance, electoral activity; pressure groups and public opinion; analysis of the competition for power among major organized interests such as business, labor and agriculture.
- 305. History of Ancient and Medieval Political Thought** **Three hours**
The development of political theory up to the Reformation. The leading theorists from Plato to Machiavelli; Church and State in the Middle Ages; medieval constitutionalism.
- 306. History of Modern Political Thought** **Three hours**
Representative political theorists from the Reformation to the present day.
- 307. International Politics** **Three hours**
An analysis of basic factors involved in world politics; the modern state system, nationalism, militarism, imperialism; the evolution of international relations; the foreign policies of major powers.
- 308. International Politics** **Three hours**
Continuation of 307. Special emphasis is placed on problems of American foreign policy; the process of foreign policy formulation in the United States; problems of international organization.
- 309. Constitutional Law** **Three hours**
The American Constitution as interpreted by the Supreme Court. Analyzes the leading cases in which the Court has laid down principles governing the relations between the national government and the states and between the three branches of the national government; limitations on Congress; limitations on the states.
- 310. Constitutional Law** **Three hours**
Continuation of 309. Special emphasis on constitutional issues in the field of civil liberties: freedom of religion, free speech, due process of law.

Psychology

DALING (chairman), BIJKERK, KASS, *C. PLANTINGA, REYNOLDS

The following courses are recommended for those intending to minor in psychology: 201, 204, 212, plus two 300-level courses. These courses should be taken in the order in which they are listed.

The minimum total number of hours in psychology required of a psychology major is 24. This constitutes a terminal major in psychology and should include the following courses: 201, 204, 212, 300 or 302, 301 or 304, 311, plus any two other courses at least one of which is a 300-level course.

Students who expect to be recommended for graduate work in psychology should take six additional hours of 300-level courses beyond the minimum of 24 hours; they also must take six hours in Mathematics (Probability Theory and Statistics). It is recommended that the Mathematics courses be taken in the sophomore year, or at the latest in the junior year.

The following courses are recommended for those who plan to do graduate work in the area of counseling and guidance: 201, 204, 212, 300 or 302, 301 or 304, 311, 312, 308, plus any two other courses.

The following courses are recommended for those who plan to go into graduate psychology studies: 201, 204, 212, 300 or 302, 301 or 304, 308, 311, 314, plus any other course and the 400 Senior Seminar course. Students with a general average in psychology below the grade of B cannot be recommended, nor those who have not had the 400 Senior Seminar course.

All majors who plan to do graduate work in psychology are strongly urged to take a course in the Philosophy of the Social Sciences.

The first minor for a psychology major may be taken in either Group II or Group III (the second minor could be in Group I).

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| 201. General Psychology | An introductory course intended to give the beginner some orientation to the field of psychology in general in respect to viewpoints, methods, and assumptions; the major emphasis is on the motivational, emotional, and cognitional aspects of the normal adult human being. It is advisable that the student have had a course in human physiology. Not open to Freshmen, except by special permission. Offered both semesters. | Three hours |
| 202. Educational Psychology | A psychological study of the forming of personality as it takes place in the classroom of the elementary and secondary schools. The course seeks to develop a sound foundation in principle and in fact for the understanding of a child in the learning process. The observed facts of child life with reference to the classroom are interpreted according to the Scriptural doctrine of man and the Scriptural mandate in education. Psychology 201, or its equivalent, is a prerequisite. Offered both semesters. | Three hours |
| 204. Child Psychology | A study of the physical, motor, social, emotional, linguistic, intellectual and valuational development of the child. An attempt is made to trace these aspects of the human being's development from babyhood through adolescence. Course 201, or its equivalent, is a prerequisite. Offered both semesters. | Three hours |
| 207. Adolescent Psychology | A specialized course in developmental psychology directed specifically to the period from puberty to adulthood. Prerequisites: 201 and 204. Not offered 1965-'66. | Three hours |
| 209. Mental Hygiene | A study of personal attitudes toward reality and the solution of maladjustment by means of integration. Prerequisite: 201. Offered second semester. | Three hours |

*On leave of absence second semester, 1965-66.

- 212. The Psychology of Abnormal People** **Three hours**
 A study of disorders of sensation, perception, association, and so forth. Some study is made of hypnosis, hysteria, and other subjects usually considered under the heading of abnormal psychology, and especially, too, the phenomena and problems of the psychoses. Psychology 201, or its equivalent, is a prerequisite. Offered both semesters.
- 216. Psychology of Exceptional (handicapped) Children** **Three hours**
 A study of psychological disorders in children, such as mental deficiency, partial defects of intelligence, personality disorders, neuroses. Attention will be given to diverse childhood intellectual, emotional, and motivational disturbances as caused by poor environmental conditions or by constitutional defects of mind or body. Prerequisites: Psychology 201 and 204. Offered both semesters.
- 300. Advanced General Psychology** **Three hours**
 A more detailed and thorough examination than is possible in Psychology 201 of the major psychological functions of man. Emphasis will be placed on problems involved in perceiving, imagining and thinking. Prerequisite: 201. Offered first semester.
- 301. History of Psychology** **Three hours**
 A historical introduction to the problems and theories of modern psychology with special reference to the origin of divergences in the interpretation of human nature. Prerequisite: six hours of psychology. Offered first semester.
- 302. Theories of Learning** **Three hours**
 A presentation of the important conclusions of modern investigations of learning and forgetting and an evaluation of the various contributions to their explanation. The place of learning theory in general psychology is stressed. Permission of instructor required. Not offered 1965-'66.
- 304. Contemporary Schools of Psychology** **Three hours**
 A critical examination of the principal theories, systems and schools of modern psychology and their philosophical implications. Readings, discussions and individual investigations will constitute the course. Prerequisites: nine hours of psychology and preferably at least three hours of philosophy. Offered second semester.
- 308. Experimental Psychology** **Three hours**
 A critical survey of experimental methods, problems, materials, results, and conclusions, with major emphasis on perception and learning but also some attention to broader problems of personality investigation. Two classroom hours and one two-hour laboratory period per week. Prerequisites: open only to juniors and seniors intending to major in psychology or allied areas who have had a course in statistics plus at least nine hours of psychology. Offered first semester.
- 310. Social Psychology** **Three hours**
 A study of individual human behavior in reaction to social environment, of the consequences of such social interaction for human personality, and of the behavior and consciousness of groups. Prerequisite: Psychology 201 and Sociology 203 or their equivalents. Offered first semester by department of sociology, second semester by department of psychology.
- 311. Theories of Personality** **Three hours**
 An introduction to modern American and European theories concerning the psychological structure and dynamics of the human person. Prerequisite: nine hours of psychology, including Psychology 212. Offered first semester.

312. Principles of Psychological Measurements **Three hours**

This course aims to give the student a thorough introduction to the theoretical and practical issues, viewpoints, and techniques of psychological testing in the areas of both intelligence testing and projective techniques. Open only to psychology majors in their junior or senior year. Offered first semester.

314. Clinical Psychology **Three hours**

An introduction to the science, techniques, and art of employing psychological means to promote the welfare or mental health of a person. Prerequisites: Psychology 212, 311, and 312. Offered second semester.

400. Senior Seminar on Issues in Present-Day Psychology **Three hours**

The seminar consists of presentation and discussion of papers based on current psychological literature or on empirical research. The final examination will cover all the areas explored in the individual projects. Open, by permission of the current director, to seniors majoring in psychology, and recommended for all those who intend to do graduate work in psychology. Offered first semester.

Religion and Theology

J. BRATT (chairman), **W. DE BOER**, **HOLWERDA**, **MINNEMA**, **PRIMUS**, ***SMEDES**, **SPYKMAN**, **SWEETMAN**, ***C. VOS**, **L. VOS**

Students who contemplate a major in Religion and Theology or Religious Education should confer with a member of the department staff before the beginning of their junior year.

103. Biblical Theology **Three hours**

A study of the unfolding of the history of redemption as set forth within the historical framework of the Old Testament, Inter-Testament, and New Testament eras. Biblical books and Apocryphal literature are analyzed and the major themes of Scripture are explicated.

203. Principles of Missions **Two hours**

This course begins with a survey of the most pertinent Biblical material data pertaining to missions. From this data and the system of Reformed doctrine in general, the principles of missions are developed with appropriate reference to both message and method, bringing into view the work of missions both at home and abroad. Not open to Freshmen. Religion and Theology 206 is a prerequisite.

204. History of Missions **Three hours**

The record of missionary history throughout the ancient, medieval and modern periods is examined with a view to ascertaining the principles that come to expression, the methods employed, the areas covered, the chief figures, and the measure of success or failure. In the modern period the major revivals in America receive some attention. Not open to Freshmen. Religion and Theology 206 is a prerequisite.

205. Comparative World Religions **Three hours**

An analytical and critical study of the major non-Christian religions of our day, especially Primitivism, Hinduism, Buddhism, and Islamism. Attention is given to cultural and religious relationships with Christianity and problems of missionary approach. Not open to Freshmen. Religion and Theology 206 is a prerequisite.

206. Reformation Theology **Three hours**

A study of Christian doctrine as formulated in the Protestant Reformation and refined and elaborated by later Reformed theologians. Comparisons

*On leave of absence first semester 1965-'66.

are drawn between the Reformed system and that of other branches of Christendom. Calvin's Institutes of the Christian Religion serves as a basic text. Not open to Freshmen.

- 207. The Old Testament Prophetical Literature** **Three hours**
 An intensive study of the place and role of the major and minor prophets in the canon of the Old Testament, the commentary they offer upon the history of redemption in Old Testament times, together with an exploration in depth of their basic themes toward their fulfillment in New Testament revelation.
- 208. The New Testament Epistolary Literature** **Three hours**
 An intensive study of the place and role of the epistles in the canon of the New Testament, the doctrinal and ethical interpretations which they give of the redemption portrayed in the Gospels, the light they shed on the early Christian Church, and their abiding relevance and significance.
- 301. Studies in Calvinism** **Three hours**
 An historically oriented study of Calvinism and its basic concepts. Its origin and development is traced, its impact upon cultures in which it took root as well as the impact of those cultures upon it is assessed, and its contemporary relevance is evaluated. Open *only* to Juniors and Seniors.
- 302. Biblical Archaeology** **Three hours**
 A study of the pertinent archaeological data which provide a background for or throw light upon the Biblical narrative. Open to Juniors and Seniors.
- 303. General Church History** **Three hours**
 A survey of the history of the Christian Church from its beginnings to the present time.
- 304. American Church History** **Three hours**
 A consideration of the religious history of our country from the emigration period to the present. Attention will be paid to the European background, the early church beginnings in their diversity, the colonial era, the westward movement, and the major social and political developments in their influence upon the American religious scene.
- 306. History of the Christian Reformed Church** **Three hours**
 The historical antecedents and the development of the Christian Reformed Church in America.
- 308. Contemporary Theology** **Three hours**
 Selected writings of significant contemporary theologians are read and evaluated. Religion and Theology 206 and Philosophy 302 are recommended as prerequisites.
- 309. Christian Evidences** **Three hours**
 A study of the evidences of the truths of Christianity as found in the records of the Old Testament with its revelation, miracles and prophecies, in the gospel record of the supernatural and vicarious life and death and resurrection of Jesus Christ; and the confirmation of the truth of Christianity as a supernatural force in history.
- 311. History of Christian Social Thought** **Three hours**
 A study of the interrelatedness of Christian teaching and society. From the history of the Christian Church certain periods and movements will be selected demonstrating the interaction of Christian faith and social forces.
- 312. Early Christian Theology** **Three hours**
 A study of the Church's growth towards self-conscious commitment to an articulation of its faith from the subapostolic age through St. Augustine.

Development and growth of thought will be emphasized and selected writings of major theologians will be studied.

313. Roman Catholic Theology **Three hours**

The development of Roman Catholic theology from the medieval era to present times, finding its climax in Vatican II. The Counter-Reformation theology, papal encyclicals, and major schools of thought will be examined.

317. Principles of Religious Education **Three hours**

Survey and analysis of various understandings of the teaching-learning process in religious education in their theological, historical, institutional, and curricular content and organization, teaching techniques and evaluation procedures will be studied.

Sociology

VANDEN BERG (chairman), HOLSTEGE, RICE, ROTTMAN, *WILSON

A basic major in sociology is composed of 24 hours, including 203 and 204, and at least 15 upper division hours. However, a student who is preparing for graduate school either in sociology or social work, in order to receive the recommendation of the department, must take an additional three hours of upper division work and must include the following courses:

If preparing for graduate school in *Sociology*: 310, 317, 318, and 320. Mathematics 205 is strongly recommended but does not apply toward a major in sociology;

If preparing for graduate school in *social work*: 310, 317, and 320. A student intending to do graduate work in social work need not necessarily elect sociology as his (her) major.

Request for recommendation to graduate school should be made in writing on a blank provided in the sociology offices.

Anyone who minors in sociology should include a minimum of nine hours of 300-level courses.

Entry to any 300-level course requires the completion of 204 and either 203 or 210, or permission of the instructor.

203. Principles of Sociology **Three hours**

A study of the structure, functions and changes of social groups, stressing the important role that group relationships play both for the individual and for society. Fundamental concepts are discussed and an introductory view of the general field of sociology is presented. Not open to Freshmen except by special permission.

204. Social Problems **Three hours**

An investigation of the primary and secondary causes of social maladjustments in general and a survey of a number of major social problems confronting American society. These include population problems, crime and delinquency, divorce, race and minority cleavages, and urban problems. It is desirable, but not necessary, to precede this course with 203.

205. The Fields of Social Work **Three hours**

A survey of the various types of social work, including individual case work, group work, and community organization. Agencies set up to work with deviant forms of behavior and situations are studied both theoretically and in operation. Prerequisite: 203 and 204, or equivalent. Open only to sociology majors.

210. Introduction to Anthropology **Three hours**

The major areas of anthropology are critically evaluated in terms of a Biblical view of man and the world. These concern man in antiquity, the

*On leave of absence 1965-66.

origin of the races, development of culture and cultural relativity. Relevant scriptural passages are considered.

- 304. The Family** **Three hours**
 This course aims at an intensive culturally comparative and historical analysis of the family as a social and educational institution, and a discussion of divorce and other problems connected with family life. Prerequisites: 203 and 204, or equivalent.
- 306. Criminology and Delinquency** **Three hours**
 A study of the primary and secondary causes for, manifestations of, and ameliorative and preventive programs for criminal and delinquent behavior. Emphasis is placed on the implications for various community institutions, including school and church. Prerequisites: 203 or 204.
- 307. Urban Community** **Three hours**
 A descriptive and theoretical analysis of culturally variant urban communities. The emphasis is on function, process, value systems and styles of life, as well as on community structure. The suburban and "fringe" development is considered as well as urban relationships. Prerequisites: 203 or 204.
- 309. Educational Sociology** **Three hours**
 The school as a social institution, School-Community relations, social control of education, and structure of school society. Prerequisite: 203.
- 310. Social Psychology** **Three hours**
 Human behavior in relation to social environment, the shaping of personality through group membership, the impact of personality on the group, and collective behavior. (Credit applied either as psychology or sociology.) Prerequisite: Introductory courses in sociology and psychology.
- 315. Introduction to Social Case Work** **Three hours**
 The analysis of social work principles, problems, and methods based upon theoretical and case material. Prerequisites: 203 and 204, or equivalent. Open only to sociology majors.
- 317. Social Anthropology** **Three hours**
 A study of the origin and development of culture with a critical survey of prevailing theories of cultural origins such as social evolution and cultural relativism. The course will include a comparative analysis of social institutions and culture patterns, those of the United States and of widely different societies, past and present. Prerequisite: 203 or equivalent.
- 318. Advanced Sociological Theory** **Three hours**
 The development of sociology, including its European backgrounds and early beginnings in the 20th century in America. Calvinistic appraisal of sociological pioneers, selected sociological concepts, and a general analysis of contemporary journal articles. Prerequisite: at least 12 hours of sociology.
- 320. Pro-Seminar in Sociological Research** **Three hours**
 Involves the actual formulation of sociologically significant hypothesis, designing research to test them, collection and analysis of data, the use and misuse of statistics. Prerequisite: At least 12 hours of sociology.

Spanish

FRIDSMA (chairman), PETERSON, VILA

- 101. Elementary Spanish** **Four hours**
 An introductory course in the use and comprehension of oral and written Spanish.
- 102. Elementary Spanish** **Four hours**
 Continuation of Spanish 101.

201. **Intermediate Spanish** **Three hours**
Review of essential grammatical structures and further training in spoken and written Spanish. Readings from significant Spanish authors.
202. **Intermediate Spanish** **Three hours**
Continuation of Spanish 201.
207. **Readings in Spanish and Latin American Literature I** **Three hours**
An introductory survey of Spanish literature from the Middle Ages to the present. The first semester deals with Spanish Literature up to the 18th century. Emphasis will be placed on representative authors within the main literary currents. Lectures, readings, and reports. Prerequisite: Spanish 202. To be offered only if schedule will allow.
208. **Readings in Spanish and Latin American Literature II** **Three hours**
Continuation of Spanish 207. This second semester deals with Spanish Literature of the *Generación del '98* up to the present. Some representative Latin-American authors will also be studied. To be offered only if schedule will allow.
307. **Modern and Contemporary Spanish Literature I** **Three hours**
A study of the works of representative Spanish authors from 1888 to about 1936. Lectures, readings, and reports. Prerequisite: Spanish 202 or its equivalent.
308. **Modern and Contemporary Spanish Literature II** **Three hours**
Continuation of 307, from the year 1936 to the present.

Speech

BERGHUIS (chairman), **MRS. BOEVE**, **D. BYKER**, **DE KOSTER**, **JANSSEN**, **OZINGA**, **M. VANDE GUCHTE**

A student wishing to major in Speech should consult one of the members of the staff.

PRACTICE — THEORY COURSES

103. **Fundamentals of Speech — I** **Two hours**
Basic principles of public speaking on the college level, with the aim of developing proper mental, vocal, and physical habits. Offered both semesters.
104. **Fundamentals of Speech — II** **Two hours**
Continuation of 103, with emphasis on longer speeches, motivation, and rhetoric. Panel discussions, symposiums, and different types of speeches will be presented. Prerequisite: 103 or its equivalent. Offered both semesters.
106. **Diction for the Foreign Student** **Non-credit**
Particularly designed to aid the foreign student taking the pre-Seminary course who has not completely mastered the English language. Intensive drill in phonetics. Open to others by permission. Offered first semester.
109. **Speech for the Classroom Teacher** **Three hours**
Designed to: (1) improve the prospective teacher's vocal habits; (2) train the student in the use of the International Phonetic Alphabet; (3) aid the prospective teacher in handling speech activities in the classroom. Offered both semesters.
202. **Parliamentary Procedure** **One hour**
A study of the basic principles of parliamentary procedure. Opportunity will be given for developing skill in the handling of the rules of parliamentary procedure. Especially recommended for pre-seminary, pre-law, and education students. Offered second semester.

- 205. Advanced Speech Composition** **Three hours**
 Study of the psychological and rhetorical techniques involved in speech composition. Speeches and oration. Intended particularly for Juniors in the pre-seminary course. Offered both semesters.
- 207. Introduction to Speech Based on the Great Books** **One hour**
 Prerequisite to 208. A study of Adler's *How to Read a Book* intended to prepare the student for careful and critical reading of the Great Books chosen as basic for work in 208. Open to Freshmen by permission. Offered first semester.
- 208. Speech Based on the Great Books** **Two hours**
 Each student will choose one of the books from the Adler list and use it as a basis for his speeches during the semester. Emphasis on speech. Prerequisite: 207. Offered second semester.
- 215. Principles of Speech Correction** **Two hours**
 A one-semester course especially designed for the elementary and secondary school teachers. A detailed study will be made of the types, nature, and causes of speech defects, as well as of the principles and methods of speech correction. Not open to Freshmen, except by special permission. Offered both semesters.
- 219. Principles of Dramatic Productions** **Three hours**
 A study of the theory and principles of drama as revealed in representative plays from the Greek through the modern period. With a view to training the prospective coach, attention will be given to the technical aspects of production. Students will be trained in acting and in directing by means of classroom presentations of dramatic scenes. Offered both semesters.
- 225. Ancient and Medieval Orators and Theories of Speech** **Three hours**
 An historical and analytical study of ancient and medieval orators and rhetoricians, including Plato, Aristotle, Demosthenes, Cicero, Quintilian, Saint Augustine, and the patristic orators. Not open to freshmen. Offered first semester.
- 226. Renaissance and Modern Orators and Theories of Speech** **Three hours**
 An historical and analytical study of Renaissance and modern orators and rhetoricians with special reference to the social and political movements in history. Representative speeches will be selected for analysis. Not open to freshmen. Offered second semester.
- 301. Advanced Speech** **Two hours**
 A practice course, designed for pre-seminary students. Open to others only by permission. Offered second semester.
- 303. Interpretative Reading** **Three hours**
 The principles and techniques of interpretation and expression. Oral interpretation of prose and poetry. Intensive study of representative selections. Offered both semesters.
- 304. Advanced Interpretation** **Three hours**
 Continuation of 303. Application of its principles to drama. Study of development from Greek to modern drama. Collateral reading. Offered second semester.
- 311. Oral Discussion and Debate** **Two hours**
 Theory and practice of discussion and debate in their various forms. The use of analysis, evidence, and argumentation is developed. Offered first semester.
- 330. The Teaching of Speech** **One hour**
 Methods of teaching speech in the secondary schools. Attention will be given to the handling of extracurricular forensic activities. Prerequisite: a minor in speech. Offered second semester.

FORENSICS

209. Intercollegiate Peace Oratory	One hour per year
211. Intercollegiate Oratory	One hour per year
213. Intercollegiate Extemporaneous Speaking	One hour per year
220. Thespian Productions	One hour per year
<p>Membership in the Thespian group is limited and is determined annually by tryout. The members will be given training in the various practical aspects of the production of drama. Students may participate more than one year. The activity runs through the school year.</p>	
310. Intercollegiate Interpretative Reading	One hour per year
312. Intercollegiate Debating	
League Debaters	Two hours per year
Tournament Debaters	One hour per year

SUMMARY OF ENROLLMENT

Fall 1964 and Summer 1964

Seniors	545
Juniors	597
Sophomores	623
Freshmen	795
Post-graduate	35
Special	56
Summer, 1964	529
Total	<u>3,180</u>

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*On leave of absence 1965-'66.

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*On leave of absence second semester 1965-'66.

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