March 27, 1933.

Dear Faculty Member,

This is your new sewed copy of the catalog for your personal use. We are sorry to have to ask you to make the following corrections:

Errata and Addenda to March, 1933 catalog.

Page 44, Paragraph 1
Change date September 13, 14, 1932 to September 12, 13, 1933

Page 44, Paragraph 2
Change date May 18, 1932 to May 18, 1933
Substitute for the phrase: "At least three additional units must be selected" the following: "Not more than three units may be presented", etc.

Page 47, last paragraph
After French 111-112, 211-212 insert 221

Page 48
Omit first paragraph, as these courses are listed on preceding page.

Page 51
At top of Group B, insert "Art"

Page 54
Omit entire set of regulations under heading "Registration denied" - as the new set of regulations is printed on the preceding page.

Page 58
Under Engineering Science insert
Course 101 . . . . . . . . . $1.00
Change fee for courses 113 and 114 from $10.00 to $1.00 (omit 114)

Page 62
Last statement under Art courses, change 211 and 212 to 101 and 112 respectively.

Page 75
Under course 111-112, omit course 112. Mark "First semester only".
For course in Statistical Graphics, insert number 101. Mark, "Offered BOTH semesters.
Under course 113-114, omit course 114. Mark "First semester only" and change credit from 3 to 2 hours.
Bulletin of
Denison University
A Christian College of Liberal Arts
Founded 1831
Announcements
For the Year 1933-1934
Catalogue Number for 1932-33

Prepared by the Committee on Catalogue
and published for the University at
GRANVILLE, OHIO
1933
For information concerning Denison University
Address
DONALD R. FITCH, REGISTRAR AND EXAMINER
Granville, Ohio

The Conservatory of Music
KARL H. ESCHMAN, DIRECTOR
Granville, Ohio

All gifts, legacies and bequests for any department of the University or any phase of its work should be made payable to
DENISON UNIVERSITY
Granville, Ohio.
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The Calendar for 1933

The Calendar for 1934
## The University Calendar

### 1933

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Recess begins</td>
<td>Friday, March 31, 4 P.M.</td>
</tr>
<tr>
<td>Spring Recess ends</td>
<td>Monday, April 10, 8 A.M.</td>
</tr>
<tr>
<td>Memorial Day (holiday)</td>
<td>Tuesday, May 30</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Thursday-Friday, June 1-9</td>
</tr>
<tr>
<td>Meeting of the Board of Trustees</td>
<td>Saturday, June 10</td>
</tr>
<tr>
<td>Alumni Day</td>
<td>Saturday, June 10</td>
</tr>
<tr>
<td>President's Reception</td>
<td>Saturday, June 10</td>
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<tr>
<td>Baccalaureate Sermon</td>
<td>Sunday, June 11</td>
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<tr>
<td>Commencement</td>
<td>Monday, June 12</td>
</tr>
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### COLLEGE YEAR 1933-1934

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>First Semester opens</td>
<td>Monday, September 11</td>
</tr>
<tr>
<td>Freshman Week</td>
<td>Monday-Thursday, September 11-14</td>
</tr>
<tr>
<td>Registration of Former Students</td>
<td>Wednesday, September 13</td>
</tr>
<tr>
<td>Registration of New Students</td>
<td>Thursday, September 14</td>
</tr>
<tr>
<td>Classes organized</td>
<td>Friday, Sept. 15, 8 A.M.</td>
</tr>
<tr>
<td>First Convocation</td>
<td>Friday, Sept. 15, 10 A.M.</td>
</tr>
<tr>
<td>Thanksgiving Recess begins</td>
<td>Wednesday, Nov. 29, 12:30 P.M.</td>
</tr>
<tr>
<td>Thanksgiving Recess ends</td>
<td>Monday, Dec. 4, 8 A.M.</td>
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<tr>
<td>Christmas Recess begins</td>
<td>Friday, Dec. 15, 4 P.M.</td>
</tr>
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### 1934

<table>
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<tr>
<th>Event</th>
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<tr>
<td>Christmas Recess ends</td>
<td>Tuesday, Jan. 2, 8 A.M.</td>
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<tr>
<td>Mid-year examinations</td>
<td>Thursday-Friday, Jan. 18-26</td>
</tr>
<tr>
<td>Second Semester begins</td>
<td>Monday, January 29</td>
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<td>Registration of all students</td>
<td>Monday, January 29</td>
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<tr>
<td>Washington's birthday (holiday)</td>
<td>Thursday, February 22</td>
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<tr>
<td>Spring Recess begins</td>
<td>Friday, March 30, 4 P.M.</td>
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<tr>
<td>Spring Recess ends</td>
<td>Monday, April 9, 8 A.M.</td>
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<tr>
<td>Memorial Day (holiday)</td>
<td>Wednesday, May 30</td>
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<tr>
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<td>Thursday-Friday, May 31-June 8</td>
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<tr>
<td>Commencement</td>
<td>Monday, June 11</td>
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  Ohio University
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A.B., Denison, 1875; A.M., Denison; Ph.D., Chicago, 1905.

CHARLES L. WILLIAMS
Professor Emeritus of English Literature and Rhetoric

H. RHODES HUNDLEY
Professor and Dean of Doane Academy
A.B., Richmond, 1888; Grad. Crozer Seminary, 1895; A.M., Denison, 1910; D.Sc., Bucknell, 1900.
Willis A. Chamberlin  
*Professor of Modern Languages*  
A.B., Denison, 1890; A. B., Harvard, 1891; A.M., Denison, 1894;  
Ph.D., Chicago, 1910.

Malcolm E. Stickney  
*Professor of Botany*  

Paul Biefeld  
*Professor of Astronomy and Director of Swasey Observatory*  
B.S. in E.E., Wisconsin, 1894; Ph.D., Zurich, 1900.

Forbes B. Wiley  
*Benjamin Barney Professor of Mathematics*  
A.B., Kalamazoo, 1906; A.B., Chicago, 1906; Ph.D., Chicago, 1914.

Thomas A. Lewis  
*Professor of Psychology*  
A.B., William Jewell, 1905; Ph.D., Johns Hopkins, 1910.

William Clarence Eraugh  
*Professor of Chemistry*  
B.S., Pennsylvania, 1898; Ph.D., Pennsylvania, 1901.

Walter J. Livingston  
*Professor of Physical Education*  
B.S., Denison, 1909.

Karl H. Eschman  
*Professor of Music and Director of the Conservatory*  

Frederick G. Detweiler†  
*Professor of Sociology*  
*Dean of Men*  
A.B., Denison, 1917; B.D., Colgate-Rochester Divinity School, 1908;  
Ph.D., Chicago, 1922.

†On leave of absence first semester, 1932-1933.
LINDLEY RICHARD DEAN
Eliam E. Barney Professor of Classical Languages
A.B., Dartmouth, 1909; Ph.D., Princeton, 1914.

ARTHUR WARD LINDSEY
Professor of Zoology
A.B., Morningside, 1916; M.S., Iowa, 1917; Ph.D., Iowa, 1919.

KATE S. HINES
Librarian Emeritus
A.M., Denison.

FRANK J. WRIGHT†
Professor of Geology
A.B., Bridgewater, 1908; A.M., Virginia, 1911; Ph.D., Columbia, 1918.

JOSEPH L. KING
Professor of English
A.B., Richmond, 1913; A.M., Columbia, 1922; Ph.D., Columbia, 1927.

FREDERICK W. STEWART
Professor of Christian Education
A.B., Rochester, 1901; A.M., Colgate-Rochester Divinity School, 1907; B.D., 1914.

CHARLES F. WEST*
Professor of Political Science
A.B., Ohio Wesleyan, 1918; A.M., Ohio Wesleyan, 1919;

HELEN A. BARR
Professor of Physical Education

E. BASIL HAWES
Professor of Education
Ph.G., Starling Med. Col., 1908; B.S., Ohio State, 1913;
M.S., Ohio State, 1914.

†Acting Dean of Men, first semester, 1932-1933.
*On leave of absence, 1932-1933.
BRUCE D. GREENSHIELDS*  
Professor of Engineering Science  
B.S., Oklahoma, 1920; C.E., Oklahoma, 1927.

LEON E. SMITH  
Henry Chisholm Professor of Physics  
B.S., Ottawa, 1919; Ph.D., Pennsylvania, 1926.

HAROLD H. TITUS  
Maria Theresa Barney Professor of Philosophy  
A.B., Acadia, 1920; B.D., Colgate-Rochester Divinity School, 1923;  
Th.M., 1924; Ph.D., Chicago, 1926.

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A.B., Michigan, 1918; A.M., Michigan, 1921; Ph.D., Michigan, 1933

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B.S., N. W. Missouri State Teachers College, 1921;  
A.M., Chicago, 1924; Ph.D., Chicago, 1929.

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Dean of Women  

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B.S., Pennsylvania, 1922; A.M. Pennsylvania, 1924;  
Ph.D., Pennsylvania, 1928.

L. DONALD DOTY  
Acting Professor of Engineering Science  
1932-1933  
B.S., Denison, 1925.

*On leave of absence, 1932-1933.
DENISON UNIVERSITY BULLETIN

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A.B., McMaster, 1903; A.M., Columbia, 1919.

MIRIAM AKERS
Associate Professor of Classical Languages

ERI J. SHUMAKER
Associate Professor of English

W. ALFRED EVERHART
Associate Professor of Chemistry
A.B., Miami, 1914; M.S., Lehigh, 1922; Ph.D., Ohio State, 1930.

FANNIE JUDSON FARRAR
Assistant Professor of Music

RICHARD H. HOWE
Assistant Professor of Physics
B.S., Denison, 1920; M.S., Denison, 1925.

ALMA B. SKINNER
Assistant Professor of Modern Languages
Ph.B., Denison, 1905; A.M., Columbia, 1925.

JOHN LARMORE
Assistant Professor of English

EDSON RUDD
Assistant Professor of Mathematics
Ph.B., Denison, 1913; M.S., Denison, 1923.
SIDNEY JENKINS

Assistant Professor in Physical Education
B.S., Denison, 1920.

DANNER LEE MAHOD

Assistant Professor of English
B.S., Davidson, 1922; M.S., Virginia, 1923.

GEORGE D. MORGAN

Assistant Professor of Zoology
B.S., Denison, 1924; M.S., Pittsburg, 1926.

F. DEWEY AMNER

Assistant Professor of Modern Languages

A. COLLINS LADNER*

Assistant Professor of Mathematics and Engineering
A.B., Brown, 1912; A.M., Brown, 1913.

THOMAS R. WILEY

Assistant Professor of Modern Languages
A.B., Ohio State, 1923; A.M., Ohio State, 1927.

HARVEY A. DEWEERD

Assistant Professor of History
A.B., Hope College, 1924; A.M., Michigan, 1925.

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Librarian
A.B., Rochester, 1913; B.S., Simmons, 1916.

CHARLOTTE RICE

Assistant Professor of Psychology
A.B., Ohio Wesleyan, 1926; Ph.D., Johns Hopkins, 1929.

CHOSABURO KATO

Assistant Professor of Mathematics
B.S., Denison, 1925; M.S., Chicago, 1927.

*On leave of absence, 1932-1933.
GEORGE E. RICH
Assistant Professor in Physical Education
A.B., Michigan, 1928; LL.B., Michigan, 1930.

F. HILLIS LORY
Assistant Professor of Political Science
A.B., Morningside, 1922; A.M., Columbia, 1930.

CHARLES L. MAJOR
Assistant Professor of Education

HOWARD A. BAKER
Assistant Professor of Economics
A.B., Swarthmore, 1929.

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Acting Assistant Professor of Geology
A.B., Denison, 1925; A.M., Columbia, 1928.

MARY RECKARD FITCH*
Instructor in Voice

WILLIAM WELLS
Instructor in Violoncello

HELEN I. BADENOCH
Instructor in Physical Education

SAMUEL GELPER
Instructor in Violin

ALLAN FABER SCHIRMER*
Instructor in Voice
B.Mus., Northwestern, 1926; A.B., Denison, 1931.

*On leave of absence, 1932-1933.
CATALOGUE NUMBER

THOMAS ROGERS
Instructor in Physical Education
Ph.B., Denison, 1925.

WILLIAM N. FELT
Instructor in Modern Languages
A.B., Clark, 1926; A.M., Middlebury, 1931.

BRAYTON STARK
Instructor in Organ
A. A. G. O., 1928.

SUE HAURY
Instructor in Piano

HELEN PETROSKEY
Instructor in Physical Education
B.Ed., Univ. of California at Los Angeles, 1923; A.M., Ohio State, 1931.

RICHARD WOELLHAF
Instructor in Speech
A.B., Michigan, 1927; A.M., Michigan, 1930.

GWENDOLEN CADLEY MIRISE
Instructor in Education
B.Sc., Ohio State, 1925; A.B., Ohio State, 1926; A.M., Ohio State, 1929.

CAROL M. MCNEIL
Instructor in Public School Music

REGINALD WHIDDEN
Instructor in English
A.B., McMaster, 1925; A.M., McMaster, 1928.

DOROTHY DUNN
Instructor in Voice
A.B., Miami, 1925
Officers of Administration

AVERY ALBERT SHAW, A.M., D.D., LL.D., D.C.L.
President

FREDERICK G. DETWEILER, A.M., PH.D.
Dean of Men

HELEN OLNEY, B.Sc., A.M.
Dean of Women

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Registrar and Examiner

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Bursar

CLARENCE M. EDDY, A.B.
Secretary of Promotion of Interest

CLARENCE D. COONS, M.S.
Business Manager

RUSSEL H. WILLIAMS, M.D.
Physician

JOHN BJELKE, A.M.
Secretary of the Alumni

MRS GEORGE GROGAN, A.B.
Assistant in Library

SARAH DAVIS, A.B.
Assistant in Library

RUTH TAYLOR, A.B., B.S.
Assistant in Library

MRS. N. H. OVERTURF
Assistant to Registrar
CATALOGUE NUMBER

Martha Geach
Assistant to Bursar

Mrs. Lillian Moore
Director of Women's Dining Halls

Mrs. Elizabeth Biggs
Matron of Women's Dormitories

Rilda M. Marsh, M.R.E.
Secretary to President

Mrs. Clara T. Brumback, Ph.B.
Secretary to Dean of Women

Marjorie Louise Wellman, A.B.
Secretary to Dean of Men

Mabel Batchelor, A.B.
Secretary to Registrar

Mabel Greiner, A.B.
Secretary to Bursar

Mary Scarritt, Ph.B.
Assistant to Alumni Secretary

Ruth Hopkins, R.N.
Nurse

Lillian Vensel, R.N.
Assistant Nurse

Mrs. Elizabeth Cooper
House Mother in Parsons Hall
Committees of the Faculty, 1932-1933

Executive Council

A. A. Shaw  
D. R. Fitch  
H. R. Hundley  
Helen Olney  
F. B. Wiley

Committee on Absences

Helen Olney  
F. G. Detweiler  
C. Kato  
A. B. Peckham  
F. W. Stewart

Committee on Admission

D. R. Fitch  
J. L. Bjelke  
F. G. Detweiler  
Helen Olney

Committee on Advanced Degrees

P. Biefield  
W. A. Chamberlin  
F. G. Detweiler  
Helen Olney

Committee on Athletics

W. J. Livingston  
H. Barr (3 yrs.)  
A. J. Johnson (3 yrs.)  
Helen Olney (2 yrs.)  
A. B. Skinner (1 yr.)  
E. J. Shumaker (2 yrs.)

Committee on Budget

A. A. Shaw  
W. A. Chamberlin  
C. D. Coons  
L. R. Dean  
L. J. Gordon  
A. W. Lindsey  
F. W. Stewart

Committee on Catalogue

W. T. Utter  
D. R. Fitch  
E. Rupp  
H. H. Titus  
W. N. Felt  
Helen Olney

Committee on Chapel

J. L. King  
F. D. Ammer  
F. G. Detweiler  
W. N. Felt  
Helen Olney

Committee on Community Service

W. A. Chamberlin  
J. L. Bjelke  
C. D. Coons  
R. H. Howe  
S. Jenkins  
Mrs. L. Moore  
A. Odebrecht  
T. R. Wiley

Committee on Curriculum

L. R. Dean  
F. G. Detweiler  
Leland J. Gordon  
J. L. King  
A. W. Lindsey  
Helen Olney  
L. E. Smith  
F. J. Wright

20
CATALOGUE NUMBER

Committee on Debate and Oratory
L. G. Crocker (2 yrs.) A. M. MacNeill F. H. Lory (3 yrs.)
(2 yrs.) Richard Woellhaf
Helen Olney (3 yrs.) (1 yr.)

Committee on Fraternities
F. G. Detweiler, Chairman A. J. Johnson, Lambda Chi Alpha
W. A. Chamberlin, Sigma Chi L. G. Crocker, Sigma Alpha
E. C. Rupp, Beta Theta Pi Epsilon
D. L. Mahood, Phi Gamma Delta T. A. Lewis, Beta Kappa
A. Odebrecht, Kappa Sigma L. R. Dean, American Commons
H. R. Hundley, Phi Delta Theta Club

Committee on Freshmen Orientation
F. J. Wright H. A. Baker Helen Olney
H. Barr T. Rogers
F. G. Detweiler E. J. Shumaker
W. J. Livingston R. H. Williams

Committee on the Improvement of Teaching
F. B. Wiley W. A. Chamberlin A. W. Lindsey
F. G. Detweiler Helen Olney
L. J. Gordon H. H. Titus

Committee on Library
A. A. Shaw W. A. Chamberlin A. W. Lindsey
A. L. Craigie W. T. Utter

Committee on Music
K. H. Eschman L. G. Crocker (3 yrs.) S. Gelfer (1 yr.)
(2 yrs.)
D. E. Dunn (3 yrs.) C. M. McNeil (1 yr.)

Committee on Plays and Musical Performances
L. G. Crocker H. Badenoch D. Mahood
S. Haury R. Woellhaf
J. L. King

Committee on Registration
D. R. Fitch F. G. Detweiler L. E. Smith
Helen Olney F. B. Wiley
Committee on Research
W. C. Ebaugh
P. Biefeld
A. W. Lindsey
M. E. Stickney

Committee on Rules and Regulations
K. H. Eschman
F. G. Detweiler
L. D. Doty
F. McCann
Helen Olney

Committee on Schedule
D. R. Fitch
W. A. Everhart
R. H. Howe
J. C. Larmore
G. D. Morgan

Committee on Student Affairs
L. R. Dean
F. G. Detweiler
F. H. Lory
Helen Olney
H. H. Titus

Committee on Student Aid
A. J. Johnson
F. G. Detweiler
Helen Olney

Student Health Council
A. A. Shaw
H. Barr
T. Craig
F. G. Detweiler
V. English
A. J. Johnson
W. J. Livingston
Mrs. Lillian Moore
Helen Olney
R. H. Williams

Committee on Student Publications
J. L. King (1 yr.)
A. M. MacNeill
A. Odebrecht (2 yrs.)
R. Whidden (3 yrs.)

Committee on Teaching Appointments
E. B. Hawes
C. L. Major
G. C. Mirise

Committee on Vocational Guidance
T. A. Lewis
H. A. DeWeerd
K. H. Eschman
F. J. Farrar
Helen Olney
C. Rice
Faculty Members of the Boards of Control

Board of Control of Athletics

MEN
W. J. Livingston, elected for 3 years...Term expires February, 1936
A. J. Johnson, elected for 2 years...Term expires February, 1935
E. J. Shumaker, elected for 1 year...Term expires February, 1934

WOMEN
A. B. Skinner, elected for 3 years...Term expires February, 1936
H. A. Barr, elected for 2 years...Term expires February, 1935
H. Olney, elected for 1 year...Term expires February, 1934

Board of Control of Debate and Oratory

MEN
R. Woellhaf, elected for 3 years...Term expires February, 1936
F. H. Lory, elected for 2 years...Term expires February, 1935
L. G. Crocker, elected for 1 year...Term expires February, 1934

WOMEN
L. G. Crocker, elected for 3 years...Term expires February, 1936
H. Olney, elected for 2 years...Term expires February, 1935
A. M. MacNeill, elected for 1 year...Term expires February, 1934

Board of Control of Music

MEN
S. Gelfer, elected for 3 years...Term expires February, 1936
L. G. Crocker, elected for 2 years...Term expires February, 1936
K. H. Eschman, elected for 1 year...Term expires February, 1934

WOMEN
C. McNeil, elected for 3 years...Term expires February, 1936
D. E. Dunn, elected for 2 years...Term expires February, 1935
K. H. Eschman, elected for 1 year...Term expires February, 1934

Board of Control of Student Publications

(One board serves for both men and women)
I. L. King, elected for 3 years...Term expires February, 1936
R. Whidden, elected for 2 years...Term expires February, 1935
A. Odebrecht, elected for 1 year...Term expires February, 1934

EXECUTIVE COUNCIL
F. B. Wiley, elected for 1 year...Term expires February, 1934

COMMITTEE ON LIBRARY
A. W. Lindsey, elected for 3 years (Sci. Group)...Term expires February, 1936
(W. A. Chamberlin, Language, 2 yrs. 1935; W. T. Utter, Soc. Sci. 1 yr. 1934)

COMMITTEE ON BUDGET
F. J. Wright, Science Group, elected for 1 year...Term expires February, 1934
L. J. Gordon, Soc. Sci. Group, elected for 1 year...Term expires February, 1934
L. R. Dean, Language Group, elected for 1 year...Term expires February, 1934

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DENISON UNIVERSITY

HISTORY

On December 13, 1831, The Granville Literary and Theological Institution opened its doors to students. The purpose of the founders, as expressed in an address of the next year, was "to furnish the means of obtaining a thorough Classical and English education, which shall not be inferior to what can be obtained in any institution, of whatever name, in the Western country." The Institution was the creation of a group of earnest men who in 1830 had formed the Ohio Baptist Education Society. These founders were men of deep religious convictions; they saw the need of an educated ministry but they envisaged a college which should have more than the training of ministers as its purpose. Their spirit was Christian rather than narrowly sectarian; the college has grown on this tradition.

The institution was originally designed as a manual labor school, each student being required to spend a portion of each day in physical labor, mostly in mechanical work in the shop, with some employment also available on the farm which adjoined the campus. This plan was abandoned within five years owing to lack of equipment, although down to 1843 the annual catalogue carried a note stating that opportunities for manual labor were available to a limited extent to those who might desire it. The theological department was limited in its instruction, lectures on the preparation and delivery of sermons, on church history and on pastoral duties being added to the subjects taken in regular course. This department, never well-manned or well-equipped, was definitely abandoned in 1870.

In 1855 the present site on the hill north of town was secured and the college was moved to the new location. This was the beginning of more rapid growth. A small endowment fund was raised, and the name was changed to Denison University. The University was fortunate in having in the Faculty and the Board
of Trustees men of faith and courage, who brought it successfully through the trying experiences of the early years.

In the period following the Civil War the University grew more rapidly. The endowment fund was doubled, reaching the sum of $100,000, and several buildings were added to the equipment. The curriculum was extended, and faculty and students increased in numbers.

In 1832, the next year after the founding of the institution for young men, a private school for young women was organized. Mr. Charles Sawyer, a merchant of Granville, was instrumental in its establishment by erecting two buildings for the school on the present lower campus. After existing more than fifty years as a private enterprise and being firmly established eventually by Dr. D. Shepardson, this school was turned over to the Baptist denomination in 1887 and affiliated with Denison. In honor of its donor, a zealous advocate of women's education, the new department was called Shepardson College for Women. An endowment was raised for its maintenance. In 1900 a closer union of the two institutions was formed by the co-ordination of Shepardson College with Denison University. Eventually the incorporation of Shepardson College with the University was effected by a change of charter in 1927. Thus Shepardson College ceased to exist as a separate institution and was merged with the University. The women students enjoy the same scholastic advantages as the men of Denison and receive the same recognition on completion of the course.

A preparatory department of the College was maintained from the beginning until the general development of high schools rendered this feature no longer essential. In 1878 the department was organized as distinct from the college under the principalship of William Rainey Harper. In 1895 it received more definiteness under the name of Doane Academy, which it carried until its operations were suspended.

During the last thirty years the University has shared in the general intellectual stimulation and has expanded rapidly in material and scholastic resources. Its standing as one of the strategic
institutions of the country has attracted private and public beneficences which have greatly increased its endowment fund and physical equipment. The endowment and other property have more than doubled in that period.

**AIM AND IDEAL**

Denison University is a Christian college in the sense that all its instruction is motivated by Christian principles. Christianity is accepted as the supreme ideal of life. There is no attempt to force religion into a particular denominational expression and all the advantages of the institution are offered without any religious distinction. There is a genuine religious atmosphere pervading the place. Through the chapel observance, the regular services of the local churches and in several student associations a large opportunity is given for religious activities and the development of Christian character.

The courses of instruction are based on the purpose of imparting a liberal training in the arts and sciences. Students are encouraged to build a broad foundation of knowledge, to form an acquaintance with several fields of thought, as a preparation for later specialization. While the entire course is planned for general rather than vocational training, it is found in practice that this procedure gives the best foundation for all kinds of professional careers. Professional schools prefer and in many cases demand it of their students. Provision is made at Denison to prepare students for the professional courses and for a start in many technical employments.

**LOCATION AND ENVIRONMENT**

Granville, a typical New England village planted among the Licking Hills by colonists from Massachusetts in 1805, is an attractive location for a college. With only about 1800 inhabitants and no mills, factories, or other industrial plants, the town takes its tone largely from the college, and the college, in so far as is possible in this age of automobiles, has the quiet and seques-
tered life so desirable for the best scholastic effort. The natural beauty of the place and the high moral and intellectual quality of life in the village make a permanent impression on the minds and spirits of those who spend their college years in this environment.

Although small and cut off to some extent from the busy hum of life, Granville can be easily reached. Its only railroad is the Toledo and Ohio Central Division of the New York Central, but it is only 27 miles east of Columbus on Route 16 and 7 miles west of Newark, a station on the Pennsylvania and the Baltimore and Ohio lines.

**GROUND AND BUILDINGS**

**ENDOWMENT AND PROPERTY**

The total amount of property invested in Denison University is nearly six million dollars. Approximately three and one half million dollars of this amount are in endowment and other funds. The grounds, buildings and equipment are valued at nearly two and one-half million dollars. Twenty-two major buildings are owned and occupied for purposes of instruction and residence.

**THE CAMPUS**

The campus of Denison University covers an area of 350 acres, having recently been greatly enlarged through the generosity of Colonel Edward A. Deeds, Vice-President of the Board of Trustees. Beginning on West Broadway, it extends one mile to the north, including hillside and valley, woodland and fields. The main axis is formed by a ridge of hills rising 1100 feet above sea level which affords a prospect unrivalled for beauty in the state. The new campus embraces two well-known pioneer estates; one, the Dustin farm, on which the historian, Hubert Howe Bancroft was born, and the other the Chapin place. This enlarged campus provides amply for the extensive building projects of the University, and furnishes adequate space for all forms of outdoor recreation. Seventy-five acres are set aside for recreational pur-
poses. Extensive development of the campus has been completed in respect to roads and walks, ornamental terraces and plantings.

**Residence Halls**

**Talbot Hall**—Accommodations for forty men are provided in the upper floors of Talbot Hall. Denison men commonly reside in fraternity houses or in private homes in the village.

**Dormitories for Women**—Sawyer Hall and Mary Thresher Beaver Hall are the new dormitories opened for use in 1926. They are the first buildings to occupy the site of the women's campus. The two halls, identical in construction, are of the colonial style of architecture. The rooms are en suite and completely equipped. Each hall accommodates 65 students. Burton Hall, King Hall, and Stone Hall, located at the foot of College Hill on the lower quadrangle, facing Broadway, furnish accommodations for one hundred and twenty-eight young women, together with reception parlors, reading rooms, and apartments for faculty women. Parsons House, formerly the chapter lodge of Beta Theta Pi fraternity, and Gilpatrick House, former home of Prof. J. L. Gilpatrick, has been renovated and rearranged for the accommodation of women students. All the halls and houses are supervised under uniform rules by teachers and matrons.

**Women's Dining Halls**—The Commons, erected in 1893, is the dining hall of the women students resident on or near the lower campus. Colwell House, former home of an honored professor, is used as a dining hall of the women resident in Sawyer and Beaver Halls.

**Academic Halls**

**Barney Memorial Hall**—This hall was built and equipped for the College by the late Eugene J. Barney, LL.D., of the Board of Trustees, in memory of his father, Eliam E. Barney, who was one of the most generous and devoted supporters of the institu-
tion in its early days. Science Hall, as it is familiarly called, dat-
ing from 1894, was rebuilt in 1906, after being partially destroyed by fire. The new building is fireproof. It has four floors, consisting of laboratories, lecture rooms, special libraries and offices, principally for the departments of Physics, Geology and Engineering Science.

**Doane Academy Hall**—This is a gift, in 1894, of the late Dr. W. H. Doane, member of the Board of Trustees. Since the suspension of the Academy, this hall is now wholly devoted to Administrative and instructional uses of the College.

The Officers of Administration, including the President, the Director of Admissions, the Registrar, the Bursar, the Deans of the College, occupy offices on the first and second floors. The third floor consists of a large assembly room, seating about 500.

**Talbot Hall**—The two lower floors of this hall are taken up with class-rooms, laboratories and department offices. The two upper floors are arranged as a dormitory for men.

**Doane Library**—The main University Library is housed in Doane Hall, a building presented by the late Dr. W. Howard Doane in 1879. It is open to instructors and students in all departments, with free access to the shelves.

**Cleveland Hall**—This Hall was erected in 1904 with funds provided by certain Cleveland benefactors. It represents the care taken for the physical and social needs of the men students.

**Swasey Gymnasium** occupies the main part of the building. It consists of a large floor for athletic games, a running track, swimming pool and locker rooms.

**Sherwin Hall** is now used as the Library Reserve Reading Room. Trophy Room is a commodious hall, adorned with pictures, prizes and other souvenirs of inter-collegiate games.
Doane Gymnasium—The gymnasium for the young women of Shepardson College was donated by Dr. Doane. It is equipped with swimming pool and has a large floor for class athletics and sports.

Swasey Observatory—The Observatory was erected in 1909 through the generosity of Ambrose Swasey, Sc.D., former President of the Board of Trustees. It is of white Vermont marble and is equipped with modern astronomical instruments of the best quality.

Conservatory of Music—The large residence of former Professor A. U. Thresher is used as the main building for the Conservatory of Music. It marks the site of the first Baptist Church built in Granville, in which the college was opened in 1831.

Recital Hall—Adjoining the Conservatory is the Recital Hall arranged for the public musical recitals. It contains a pipe organ and grand pianos, and other appliances for entertainments.

Central Heating and Lighting Plant—The University is equipped with a modern system of electric lighting and hot-water heating located in a central plant adjoining Cleveland Hall.

Swasey Chapel—College Hill is crowned with this stately edifice, provided by the beneficence of Dr. Ambrose Swasey. It was dedicated April 18, 1924. It is colonial in style, faced with six Ionic columns supporting the portico. The graceful tower is electrically illuminated at night, and contains a set of chimes, in memory of Mrs. Swasey. The auditorium has a seating capacity of 1300. Complete appliances for religious services are provided, including a 3-manual Austin organ. Standing in the center of the group of buildings which the new Denison will occupy, Swasey Chapel typifies the supreme place of faith in the educational ideals of the College.
CATALOGUE NUMBER

Denison Wigwam—This is a temporary structure used primarily for basketball. It has a large floor space and seats for 1650.

Chemistry Cottage—A plaster and stucco building 140x52, one story high, erected in 1925-1926, houses the Department of Chemistry. Three large, well-equipped laboratories provide desk space for about 230 students. Lighting, ventilating and plumbing have received special attention. A lecture room with 91 seats is separated by rolling partitions from a recitation room seating 52 persons; in all 182 seats can be provided in the enlarged lecture room. A departmental reading room, an office, two private laboratories, balance room, store rooms, and lecture preparation rooms, give ample space for the activities of the Department.

Whisler Hall Memorial Hospital—This memorial hospital, which came into use in February, 1929, is the gift of Mr. and Mrs. Charles F. Whisler, of Hillsboro, Ohio, in memory of their daughter, Helen, of the class of 1920, who died in 1918. It occupies a secluded site on the slope of Prospect Hill, overlooking the village and the picturesque valley. Built of tapestry brick and Indiana limestone, the hospital is complete and modern in every respect. The normal capacity is 16 patients, with facilities for 28, should occasion require. Modern hospital practice has been followed in detail, giving comfort, cleanliness, quiet and convenience. Provision is made for isolation of contagious cases.

A modern clinic room, a well-equipped kitchen, and 8 home-like wards for two patients each make of the hospital an excellent health center, where students may come for consultation and for hospitalization, whenever necessary.

Deeds Field

The athletic field, named in honor of the donor, Colonel Edward A. Deeds, was dedicated November 4, 1922. The football field occupies a natural amphitheater under the shelter of College Hill. It is in the form of an oval, open towards the east,
flanked by a concrete stadium with a seating capacity of 6000. The north side of the stadium is constructed so as to enclose a field house, containing dressing-rooms, shower baths, lockers and other accommodations for the players. A cinder track borders the oval, and outside of this are cement walks, with concrete shelters on either side for the local and visiting teams. The varsity baseball field has been prepared on the lower terrace, and ample space is left on the north side of the campus for other sports. The eastern side has been recently laid out with an oval running track and a hockey field for the women's athletic department. By the development of Deeds Field the ideal of every member of the University enjoying some form of daily exercise is now possible of realization.

**FUTURE BUILDINGS**

The building program of Denison University includes: Library, Administration Building, Biological Building, Auditorium and Conservatory Building, one additional Women's Dormitory unit, and a Women's Dining Hall. Owing to the business depression the original plan calling for the completion of a part or all of these projects by 1931 has been postponed.

**FRESHMAN WEEK**

Several days during the opening week of the college year are devoted to familiarizing the freshmen with the aims and methods of college work. In the present year the program began with a dinner at The Wigwam, at which the freshmen were the guests of the University and had the most favorable opportunity of meeting one another and members of the Faculty. Meetings are held in groups, at which various aspects of college life are discussed. Tests of general intelligence and special aptitudes are given. Every effort is made to help the freshmen to find his place in the community of students and to plan his course intelligently for the coming four years. All freshmen are expected to be present during these preliminary exercises. For the dates, see University Calendar, page 5.
CHAPEL SERVICES

In recognition of the Christian foundation and ideals of the institution and for the cultivation of the community life of the college in a definitely religious atmosphere, services of worship are held in Swasey Chapel on Monday and Wednesday throughout the year. Assemblies are held in Doane Assembly Hall for women on Tuesday and for men on Thursday throughout the year and for freshmen on Friday during the first semester. Attendance is required of all students.

VESPER SERVICES

During the winter months of the year a vesper service is held once a month on Sunday afternoon in Swasey Chapel. Notable preachers of the country are the speakers, with messages appropriate to college students. Attendance at these services is voluntary, but large numbers have found them occasions of rare inspiration.

DEPARTMENTAL ORGANIZATIONS

The Denison Scientific Association, organized by the late Professor Clarence Luther Herrick in 1887, is not only the oldest departmental organization but also is the most inclusive in its activities and interests. The Association publishes the Journal of the Scientific Laboratories, founded by C. L. Herrick. Its merit is recognized by learned societies in all parts of the world, many of whom receive the Journal in exchange for their own publications. By this means the Association has built up a valuable collection of scientific works from the leading scientific societies of our own and other countries.

The Association holds bi-weekly meetings, open to all, at which lectures and reports of investigations on current scientific topics are presented by professors of Denison and other institutions. Faculty and students are thus made acquainted with the progress of science in many fields.
Departmental societies, sharing similar aims with the Scientific Association and co-operating with it, are maintained by nearly all of the departments of instruction. Their object is to encourage investigation of topics that are allied to the courses of instruction and are of special interest. Faculty and students participate in the discussions.

STUDENT ORGANIZATIONS

A large number of organizations are maintained by the students. According to their general purpose they are divided into six groups: administrative, religious, literary, musical, recreational and social. In so far as they represent the College in any public way, these organizations are mainly under the direction of Boards of Control, or of Faculty advisers.

1. Administrative

The government of students in matters relative to their own interests, rests in the hands of the two student associations. These associations were organized under the authority of the Board of Trustees and the Faculty of Denison University. All regular students are members with full membership privileges. The executive powers are vested in the student councils of the two associations and in the joint council for matters pertaining to students of both colleges.

2. Religious

The Christian Associations (the Y. M. C. A. and the Y. W. C. A.) are directed by the "Y" cabinets, composed of student and Faculty members. These associations carry on various activities for the religious and social welfare of the students.

The Freshman "Y" is a branch of the general organization, aiming to bridge over the gap between high-school and college.

The Student Volunteer Band and Student Fellowship for Christian Life Service are composed of students preparing for some line of definite Christian work.
3. Literary

The Franklin and Calliopean Literary Societies, dating back to the early days of the College, are perpetuated by the Franco-Calliopean Society, whose meetings are devoted to the study of literature.

Tau Kappa Alpha, a national honorary fraternity, has in its membership students who show excellence in public speaking. Several debates with other colleges are held each year, under the guidance of the Board of Control.

Two regular publications are carried on by Denison students: The Denisonian, a weekly newspaper; The Adytum, the college annual.

The Masquers is a dramatic club, which presents several public performances during the year.

4. Musical

The Denison Glee Club, the Shepardson Glee Club, the D. U. Band, the University Orchestra, the Engwerson Choral Society, and the chapel and church choirs furnish large opportunity for the training of musical talent. (For fuller description see below, Conservatory of Music, p. 111).

5. Recreational

The Boards of Control direct the inter-collegiate and intra-mural sports. An extensive program of intra-mural contests is carried out, with appropriate games for the different seasons. The men of the College are divided into eleven groups, which major and minor teams, for these competitions. Prizes are awarded for the best records, and points are earned.

In inter-collegiate athletics Denison belongs to the Buckeye Athletic Conference.

The “D” Association is made up of men students who have earned letters by prominence in athletics.
The Women's Athletic Association is a similar organization for the women.

6. SOCIAL

Many social groups are formed, either local societies or chapters of national organizations, in which most of the students find congenial companionship. These groups have Faculty advisers and are partly under the direction of the Pan-Hellenic Council of Alumni and undergraduate membership. At present there are nine fraternities, some of them established here for more than fifty years, and eight sororities, a chapter of the American Commons Club and the Shepardson Club.

The Cosmopolitan Club of Faculty and student members aims at closer fellowship of the native and foreign students.

SCHOLASTIC AWARDS

1. PHI BETA KAPPA

The Phi Beta Kappa Society was founded more than one hundred and fifty years ago for the purpose of recognizing and encouraging scholarly pursuits among college students. The chapter at Denison, known as Theta of Ohio, was instituted in January, 1911. New members are elected each year, principally from the seniors, but a few from the juniors, from those who have the highest standing in scholarship in their respective classes.

The Phi Society was organized by the Phi Beta Kappa to encourage scholarship among the members of the freshman class. Eligibility to membership is gained by winning 56 scholastic points, (See p. 52) in the freshman year.

2. HONORS

1. Annual Honors. Annual honors are awarded at the end of each year to the members of each class according to the following standard: not less than twenty-four hours of A grade, the
remainder not lower than B grade. The total number of hours for the year shall not be less than thirty-two except when courses 111, 112, 211, 212 in Physical Education are being taken, in which case the total number of hours exclusive of these courses should not be less than thirty. Grades made in the required courses in physical education are not to be counted in competing for Annual Honors.

2. General Honors. General Honors are awarded at graduation only, according to the following standard: Ninety-three or more hours of A grade, the remainder not lower than B grade. Grade made in Physical Education 111, 112, 211, 212, are not to be counted in competing for General Honors.

3. Departmental Honors. Departmental Honors are awarded at graduation only, to those who have obtained a standing of A in one or more departments in courses amounting to not less than twenty-four semester hours, provided that there shall have been no grade less than B in any other courses which may have been taken in the department. In Modern Languages no first-year courses may be counted for department honors.

4. Special Honors. Special Honors are awarded at graduation only, according to the following plan: Any regularly classified student who has maintained an A rank in not less than half of his work during five successive semesters of the freshman, sophomore, and first half of junior years, and who has not fallen below C in any single study may with the consent of the faculty be enrolled as a student for honors in some selected department of study.

Application for such enrollment shall be made prior to the spring vacation of the junior year. If the application be granted the professor in charge of the department selected shall assign work to the applicant substantially equal in amount to a three hour course for the year.

The student shall be examined on this work prior to the spring vacation of the senior year. The examination shall be conducted under the direction of the professors in charge, assisted by
some other member of the faculty to be appointed by the president, and in addition to the special assignment the examination shall cover, in a general way, all other work which the applicant has taken in the same department.

During the interval between enrollment for honors and examination the student must make an A rank in all work done in the department to which his special study belongs, and must not fall below B in any other department. He must also maintain an unblemished record in the department.

Work done for Special Honors must not be elementary in its character and in no case shall it be the only work done in the department in which it is taken. Advanced elective courses already offered may be utilized as honor courses, or special topics may be assigned to suit individual cases but in no case shall work upon which special honors are bestowed be counted as any part of the student's requirements for his degree.

All honors duly earned shall entitle the student to have his name placed upon the records of the University with the statement of the Honors which he has received, the fact may be engrossed upon his Diploma, shall be announced on Commencement Day, and published in the Annual Catalogue.

3. Rhodes Scholarship

Men who have completed their sophomore year at Denison University are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of $2000 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra-curriculum activities. Further information may be obtained from the Secretary of the Rhodes Scholarship Committee of Selection for Ohio, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

4. Prizes

(a) The Lewis Literary Prize Contest. These prizes were given to the Franklin and Calliopean literary societies by Mr.
Charles T. Lewis, former president of the Board of Trustees, and are now continued by his sons Howard Lewis and Frank Lewis of the classes of 1900 and 1902, respectively. During recent years the prizes have been given for excellence in extempore speech. Competition is open to men students.

(b) The Samson Talbot Bible Reading Contest. This is an endowed prize for the best reading of Scripture and is open to seniors and juniors. The prizes are $40 and $20 respectively.

(c) The Gilpatrick Scholarship. This is endowed by a fund contributed through the Society of the Alumni by former students and friends of Professor John Lord Gilpatrick. It is open to seniors and is awarded annually by the faculty upon the basis of excellence in mathematics.

(d) The Harmon Freshman Latin Prizes. Established by Ex-Governor Judson Harmon, of the Class of '66, and continued in his honor by his daughters, a first and second prize of $50 and $25 respectively are awarded annually for excellence in Freshman Latin. The award is made on the basis of a competitive examination near the end of the year.

(e) The Woodland Prizes in Chemistry. J. Ernest Woodland, '91, bequeathed to the University, in honor of his father, William Henry Woodland, the sum of $5000 for the establishment of two annual prizes: $150 for the best, and $50 for the second best original thesis on some phase of Chemistry in its relation to everyday industrial life. Conditions of the competition are announced each September by the department of Chemistry.

(f) The Freshman Chemistry Prize. A prize of $25.00 is offered to the student making the best record in Chemistry 111-112.

5. Scholarships

Scholarships based upon the income from funds definitely set aside for this purpose are allotted annually to members of all
classes. The income from these funds, however, is limited and in order to make larger sums available for financial aid certain loan funds have also been established.

Application for financial aid from either scholarship or loan funds may be made by those who are chiefly dependent upon their own exertions in securing a college education. *It is not expected that those whose expenses can be met by parents or through other sources will call upon the College for assistance.*

In reviewing applications, consideration will be given to financial need, to scholastic achievement, and to the applicant's general record, in order to determine how effectively he is taking advantage of his opportunities while in High School or in College.

Applications for financial aid for the Freshman year will not be considered until the applicant has filed with the Examiner his formal application for admission to Denison University.

### Available for Ministerial Students

<table>
<thead>
<tr>
<th>Fund</th>
<th>Principal of Fund</th>
<th>Approximate amt. available yearly</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Mary K. Monroe Fund</td>
<td>$30,000.00</td>
<td>$1,200.00</td>
</tr>
<tr>
<td>The M. E. Gray Fund</td>
<td>5,000.00</td>
<td>200.00</td>
</tr>
<tr>
<td>The David Thatcher Fund</td>
<td>1,500.00</td>
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</tr>
<tr>
<td>The Joshua and Gwennie Jones Fund</td>
<td>1,356.00</td>
<td>55.00</td>
</tr>
<tr>
<td>The Abigail Pence Houck Fund</td>
<td>31,717.00</td>
<td>1,270.00</td>
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### Available for Men Students

<table>
<thead>
<tr>
<th>Fund</th>
<th>Principal of Fund</th>
<th>Approximate amt. available yearly</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Ebenezer Thresher Fund</td>
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<td>400.00</td>
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<tr>
<td>The David and Jane Harpster Fund</td>
<td>5,000.00</td>
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<tr>
<td>The Mary Arnold Stevens Fund</td>
<td>500.00</td>
<td>20.00</td>
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<tr>
<td>The Eugenia Kineaid Leonard Scholarship</td>
<td>1,000.00</td>
<td>40.00</td>
</tr>
<tr>
<td>The A. F. and A. A. Bostwick Schol. Fund</td>
<td>1,000.00</td>
<td>40.00</td>
</tr>
<tr>
<td>The William Howard Doane Schol. Fund</td>
<td></td>
<td>400.00</td>
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</table>

### Available for Women Students

<table>
<thead>
<tr>
<th>Fund</th>
<th>Principal of Fund</th>
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</tr>
</thead>
<tbody>
<tr>
<td>The King Scholarship Endowment</td>
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</tr>
<tr>
<td>The Martha A. Luse Schol. Fund</td>
<td>1,000.00</td>
<td>40.00</td>
</tr>
<tr>
<td>The James McClurg Schol. Fund</td>
<td>1,000.00</td>
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<tr>
<td>The Mary Miller Schol. Fund</td>
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<tr>
<td>The Charles T. Chapin Schol. Fund</td>
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<td>80.00</td>
</tr>
<tr>
<td>The Lide-Shepardson-Marsh Schol. Fund</td>
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<td>40.00</td>
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</table>
### Available for Men or Women

<table>
<thead>
<tr>
<th>Scholarship Fund</th>
<th>Amount</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Elizabeth S. Ewart Scholarship Fund</td>
<td>2,000.00</td>
<td>80.00</td>
</tr>
<tr>
<td>The Charles T. Lewis Schol. Fund</td>
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<td>200.00</td>
</tr>
<tr>
<td>The John Doyle Scholarship Fund</td>
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</tr>
<tr>
<td>The Wells A. and Cynthia Aldrich Chamberlain Scholarship</td>
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<tr>
<td>The G. A. Griswold Scholarship Fund</td>
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<td>200.00</td>
</tr>
<tr>
<td>The Sarah J. Thompson Schol. Fund</td>
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</tr>
<tr>
<td>The Welsh Hills Prices Schol. Fund</td>
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</tr>
<tr>
<td>The Daniel Van Voorhis Schol. Fund</td>
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<td>20.00</td>
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### Available for Students in Conservatory of Music

<table>
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<tr>
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<th>Amount</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>The E. S. Shepardson Scholarship Fund</td>
<td>1,000.00</td>
<td>40.00</td>
</tr>
<tr>
<td>The Conservatory Scholarship (Awarded on recommendation of Director of the Conservatory and President of the University)</td>
<td></td>
<td>250.00</td>
</tr>
</tbody>
</table>

### Special Scholarships

The Noyes Scholarships, founded by La Verne Noyes, for men who served in World War and their children. The number of these which can be given is determined by the Estate of La Verne Noyes each year.

High School Honor Scholarships. A scholarship to the highest student (boy or girl) in the graduating class each year is offered to a selected list of secondary schools. This is worth $100 for each of four years, and its use must be begun during the year of graduation.

### Loan Funds

<table>
<thead>
<tr>
<th>Loan Fund</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Maria Theresa Barney Loan Fund</td>
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</tr>
<tr>
<td>The Fletcher O. Marsh Fund</td>
<td>$5,000</td>
</tr>
</tbody>
</table>

The accumulated income from this fund is at the disposal of the President of the University to be loaned to men students at his discretion.
his discretion. Interest at the rate of 3% is charged on loans made from this fund.

The Hannah Snow Lewis Fund $9,028
The accumulated income from this fund is at the disposal of the President to be loaned to women students at his discretion.

The Edward Le Grande Husted Fund $1,000
Endowed by Jessie Husted Chamberlain the income to be loaned to students of Denison University.

The Denison University Student Loan Fund $5,000
The Trustees of Denison University, recognizing that certain desirable students may not be able to pay all of their college expenses as incurred, have created a fund from which such students may borrow a limited amount of money. Both principal and income are loanable. Loans are made upon notes signed by the student and endorsed by their parents or guardians. Interest at 4% is charged on these loans.

The Ida S. Fisher Loan Fund $1,000
The principal and income of this fund are at the disposal of the President of the University to be loaned to women students at 4% interest.

Outside Loan Funds. The University has been able to help a few students each year to secure loans in amounts up to $200.00 from the Harmon Foundation, the Knights Templars Loan Fund, and one or two other national loan funds. It is hoped that these arrangements can be continued.

DENISON STUDENT HEALTH SERVICE

From the tuition and the special hospital fee an amount is set aside partially to cover the expense of the student health service. This is a distinct department of the University and is supervised by the college medical officer and a trained nurse.
All its activities are centered in the Whisler Hall Memorial Hospital. Here is located the college clinic, where students may have unlimited medical attention. The medical officer is available at certain hours for consultation, examination and treatment, when necessary. A trained nurse is on duty at all time.

In case of need each student is entitled to 3 days of care in the hospital, with no additional charge. For periods in excess of this time, a nominal charge of $2.00 per day is made. Only unusual medical or surgical treatment is charged against the student. This includes calls at student rooms, special nurses, or unusual medicines or appliances.

The college medical officer co-operates with both the departments of physical education in the matter of physical examinations, health education and advice, and care of the members of athletic teams.

ADMISSION TO THE COLLEGE

A. BY CERTIFICATE

The graduates of first grade high schools and academies are credited with their certified preparatory work without examination, so far as such work agrees with the entrance requirements of the University. Candidates must present certificates, officially signed, showing the work done and credit gained in each study. These certificates must be in the hands of the Director of Admissions not later than two weeks before the opening of the respective semesters, to avoid late registration and the consequent fee. Entrance blanks will be furnished upon request.

Applications for admission with residence in women's dormitories must be accompanied by a $10.00 fee and by a certificate of entrance with application and recommendation blanks, and any advanced credits (with honorable dismissal) by July 15 of the year of entrance.
Applicants for admission who are not graduates of approved secondary schools may present themselves for examination in the subjects required for entrance to the freshman class. Examinations will be given on September 13, 14, 1932.

It is recommended that such candidates for admission take the examinations set by the College Entrance Examination Board, at any of the several cities where they are offered. Applications should be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th St., New York, before May 18, 1932 for those living in the United States or Canada, and before April 20, 1931 for those living elsewhere.

No special students can be accepted for undergraduate work. In general, only applicants can be considered who are graduates of secondary schools properly accredited by the North Central Association of Secondary Schools and Colleges, and by the State Department of Education.

ENTRANCE REQUIREMENTS

Fifteen units completed in an approved secondary school and distributed as indicated below are required for entrance. No student is admitted to freshman rank who has not completed at least fourteen units. A unit is defined as a year's course of study in a given subject, with 4 or 5 forty-minute periods of recitation per week. Two periods of laboratory work are counted as the equivalent of one period of recitation. Students may be admitted with twelve units from a "senior high school" (grades X, XI and XII) provided that the subjects taken in the senior high school together with the work done in the junior high school satisfy the subject requirements as listed below.

1. The following 9 units are prescribed for all:
English, 3  History, 1  Laboratory Science, 1 (Biology, Botany, Chemistry, Physiology, Physics, Zoology)
Algebra, 1  Plane Geometry, 1
Foreign Language, 2 (in the same language, preferably Latin)

2. At least three additional units must be selected from the following subjects, the number indicating the maximum number of units that will be accepted in any subject:

- English, 4 (may include Dramatics, 1 or Public Speaking, 1)
- Latin, 4
- Greek, 4
- French, 4
- German, 4
- Spanish, 4
- Botany, 1
- Zoology, 1
- Physiology, 1
- General Science, 1 (does not satisfy laboratory science requirements in No. 1 above)
- History and Civics, 4
- Mathematics, 3½ (Algebra, Geometry, and ½ unit Trigonometry)
- Physics, 1
- Chemistry, 1
- Physiography, 1
- Bible, 1
- Psychology, ½
- Sociology, ½

2. At least three additional units must be selected from the following subjects, the number indicating the maximum number of units that will be accepted in any subject:

- Mechanical Drawing, 1
- Freehand Drawing, 1
- Domestic Science, 1
- Stenography, 1 (no credit for less than 1 unit)
- Applied Music, 1
- Manual Training or Shop Work, 1
- Agriculture, 1
- Commercial Law,
- Commercial Geography, 1
- Physical Education, 1
- Bookkeeping, 1
- Art, 1
- Commercial Arithmetic, ½
- Business English, ½
Graduates of approved secondary schools who lack not more than 2 of the units prescribed for entrance (No. 1 above) may be admitted provisionally. A student thus admitted is required to make up the deficiency within the first two years of residence, by taking college courses in the subjects lacking, or by taking those subjects in an approved summer school. One year of college work (6-8 semester hours) in a subject is required to make up one unit of deficiency.

Excess Entrance Credit

Application for excess entrance credit must be made at the time of matriculation and documentary evidence of the same presented within six weeks. All such credit, if allowed, is provisional upon the student's maintaining a prescribed high standard of scholarship during the year. No excess entrance credit is allowed for high school work, unless at least one semester more than four years has been spent in the secondary school; when allowed, it shall never represent more than fifty per cent of the school credit, and the maximum is ten semester hours. In cases of deficiencies in the required subjects for entrance (although a total of fifteen units is presented), a request for a limited amount of excess entrance credit partly to counterbalance the deficiency will be given consideration by the Director of Admissions.

Advanced Standing

Students who have completed a part of their course at other colleges may apply for admission with advanced standing. They should present a certified statement of their preparatory course, also of the work completed and the credit gained at the former institution, and a certificate of honorable dismissal. Equivalent credit will be given for the work they have successfully completed, so far as it applies to the courses at Denison, but an examination may be required at the discretion of the Faculty.
REGISTRATION OF STUDENTS

Students will present themselves for registration at the days assigned for that purpose. (See University Calendar on page 5 of this catalogue). Otherwise a fee of $5.00 is charged for late registration.

ADVISERS

Each student chooses as early as possible the department containing the line of study which he wishes to emphasize in his course. The professor in charge of this department becomes the student's adviser in his course of study and must be consulted at each subsequent registration.

SUBJECTS OPEN TO FRESHMEN

The following courses are required of all candidates for degrees: English 111-112, Physical Education 111-112, and one of the following year courses: Greek 111-112, Latin 101-102, 111-112, Mathematics 113-114, 115-116, 119-120, 121-122. None of these courses may be deferred later than the freshman year except with the consent of the Registrar on recommendation of the head of the department concerned.

The freshman schedule, in addition to the subjects mentioned in the preceding paragraph, will be determined by the student in consultation with his adviser from the following subjects:

- Astronomy 101-102, 111-112
- Botany 111-112
- Chemistry 110 (women only) 111-112, 113
- Economics 102
- Education 101
- Engineering Science, 111, 113-114
- French 111-112, 211-212
- Geology 101, 111-112, 121-122
- German 111-112, 211-212
- Greek 111-112
- History 111-112
- Latin 101-102, 111-112
- Mathematics 113-114, 115-116, 119-120, 121-122
- Music 101-102, 103-104, 111-112
- Physics 111-112, 113-114
- Religion 111-112, 115, 116
- Spanish 111-112, 211-212
- Speech 111-112
- Zoology 111-112
Beginning language courses are open to freshmen, or more advanced courses if the elementary work has been done in the secondary school.

**ADDITIONAL REGULATIONS**

*Normal Registration.* The average number of credit hours is 16, estimated as 1 credit for 1 hour recitation period or 2 hours laboratory period per week during the semester, to make up the requirement of 128 credit hours for graduation. This is the amount recommended for students in all classes, to secure best results. The maximum allowed a new matriculant is 18 hours, including 1 hour of physical training.

*Excess Registration.* For other students, more than 16 hours is excess and cannot be allowed except by consent of the Registration Committee in applying definite regulations of the Faculty. To register for 17 hours the student must have accumulated 21 points in the preceding semester, with no mark below passing; to register for 18 hours he must have accumulated 25 points in the preceding semester, with no mark below passing. A schedule of 17 hours including Physical Education 111-112, or Music 103-204 (ensemble) will not be interpreted as excess registration, nor will points acquired in these specific courses be counted toward meeting excess requirements. A fee of $5.00 shall be charged for each registered hour in excess of 18. Without special permission from the Dean's office, 13 credit hours shall be the minimum amount of registration.

*Changes in Registration.* Ordinarily no changes are allowed in registration after the registration card has been filed with the Registrar. For every change that is allowed, a fee of $1.00 will be charged, unless remitted by the Registrar for satisfactory reason.

*Late Registration.* All students must complete their registration and settle with the Bursar on the days set apart for this purpose. Failure to do so will be counted as late registration entailing a special fee of $5.00.
Dropping Work. Work for which the student has once registered cannot be dropped except by formal permission secured through the office of the Registrar. A course abandoned without such permission, likewise (under certain conditions) a course in which the student is failing, will be counted as a failure and so recorded on the permanent record.

Withdrawal. Students who find it necessary to leave the University before the close of a semester, report to the Dean and receive withdrawal cards. This card is then presented to the Registrar, who completes the withdrawal.

Chapel. All students are required to be regular in attendance upon the chapel exercises and the college assemblies. A failure in this respect beyond a certain amount involves a loss of scholastic credit.

Extra-curricular Activities. All members of organizations representing the University must have passed in at least 12 hours during the preceding semester and earned at that time 12 points. No other students are permitted to take part in the following activities: intercollegiate athletics, glee club concerts, performances of the Masquers, intercollegiate debates, band concerts; or to be on the staff of the Denisonian or Adytum, or to hold office in the Student Government, Y. M. C. A. or Y. W. C. A.

Classification of Students

For Freshman Standing

No student will be classified as freshman who is deficient in more than 1 unit of preparatory work.

For Sophomore Standing

All entrance deficiencies must be removed. At least 24 hours of college work and 26 points (including the required freshman courses in English, Mathematics or Latin or Greek and Physical Training.)
For Junior Standing
At least 62 hours and 68 points (including Physical Training 211-212 and all preceding requirements.)

For Senior Standing
At least 96 hours and 105 points, and all preceding requirements.

REQUIREMENTS FOR THE BACCALAUREATE DEGREE

It is expected of candidates for degrees at Denison University that they shall be persons of good character. To secure the A.B. degree the student must satisfy the following conditions: (1) he must meet the specified requirements; (2) he must complete a major; (3) he must meet the group requirements; (4) he must carry a sufficient number of elective courses to bring his total credit to 128 semester hours; (5) his work must conform to certain scholastic requirements; and (6) he must pass a comprehensive examination in his major subject. (For degree of Bachelor of Music see page 114).

A semester hour of credit is defined as one hour per week of lecture or recitation, or two hours per week of laboratory work, through one semester of 18 weeks.

1. Specified Requirements.

   (a) English, 6 hours to be taken in the freshman year.

   (b) Latin or Greek or Mathematics, 8 hours to be taken in the freshman year.

   (c) A reading knowledge of some modern foreign language as shown by passing an examination equivalent to that given at the close of the second college year of that language. In case the
student takes his major in one of the departments in Group C (below), this language must be French or German unless the adviser makes an exception. Required modern foreign language, when taken, shall be begun in the freshman year, unless specifically excused for pre-professional students.

(d) 1. Physical Education, 4 hours to be taken in the freshman and sophomore years. 2. Hygiene, 2 hours (pp 93, 95), in the sophomore year.

2. Requirements for Major.

The student must select a principal sequence of studies, called a major, in one department of instruction as listed below. This is to consist of at least 24 and not more than 40 hours. Specific major requirements for each department are found under departmental statements. Departments that offer less than 24 hours are allowed to make up that number from other departments, subject to faculty approval.


The departments of instruction are as follows:

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Economics</td>
<td>Astronomy</td>
</tr>
<tr>
<td>Greek</td>
<td>Education</td>
<td>Botany</td>
</tr>
<tr>
<td>Latin</td>
<td>History</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>Music</td>
<td>Engineering Science</td>
</tr>
<tr>
<td></td>
<td>(theory and history)</td>
<td>Geology</td>
</tr>
<tr>
<td></td>
<td>Philosophy</td>
<td>Mathematics</td>
</tr>
<tr>
<td></td>
<td>Political Science</td>
<td>Physical Education</td>
</tr>
<tr>
<td></td>
<td>Psychology</td>
<td>Physics</td>
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<tr>
<td></td>
<td>Religion</td>
<td>Zoology</td>
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<tr>
<td></td>
<td>Sociology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Speech</td>
<td></td>
</tr>
</tbody>
</table>
In addition to the Specified Requirements noted on page 50, 6 hours shall be taken in Group A, 18 hours in Group B, and 12 hours in Group C, but students majoring in Engineering Science may be excused from a total of 8 hours of requirements in Groups A and B together. Of the 18 hours chosen in Group B, 12 hours must be from the following departments: Economics, History, Philosophy, Political Science, Psychology, and Sociology. The 12 hours in Group C must include one of the following laboratory courses:

- Astronomy 111-112 or 211-212
- Botany 111-112 or 113-114
- Chemistry 111-112
- Engineering Science 111, 212
- Geology 111-112
- Physics 111-112, 113-114 or 111-112, 211-212
- Zoology 111-112

4. Electives.

The total of 128 hours for graduation will be made up by adding to the above program such studies as the student may elect with the approval of his adviser.

5. Scholastic Requirements.

All credits to be counted for the major must be "C" grade or above. By the close of the semester previous to graduation, the candidate for a degree must have earned at least 110 semester hours credit and 112 points, and must have paid all University bills including diploma fee.

A student's class work is graded as follows, with the accompanying point value for each grade:

- "A" (Excellent).................Earns 2 points per credit hour.
- "B" (Good)......................Earns 1½ points per credit hour.
- "C" (Fair)......................Earns 1 point per credit hour.
- "D" (Passing)...................Earns no points.
- "F" is a failure, and in order to receive credit, course must be taken over in class.
A total of 140 points must be earned for graduation.

a. Any student who fails to earn at least six points at any semester report will be denied registration the following semester.

b. A freshman must earn at least 21 points during the year to be eligible for registration the following semester. A freshman who fails to earn at least 9 points during the first semester, or at least 12 points during the second semester, is placed on probation the following semester.

c. A sophomore must earn at least 26 points during the year to be eligible for registration the following semester. A sophomore who fails to earn at least 12 points during the first semester, or at least 14 points during the second semester, is placed on probation the following semester.

d. A junior must earn at least 30 points during the year to be eligible for registration the following semester. A junior who fails to earn at least 14 points during the first semester or 16 points during the second semester, is placed on probation the following semester.

e. Failure to clear probation at the end of a semester results in denial of registration the following semester.

f. Probation and/or minimum point requirement may be cleared in summer school by earning at least a “C” average in all courses taken in the summer school.

g. The above minimum point requirements are necessary to insure continuous registration in college, but are not to be construed as meeting the average point requirement for graduation, which is 35 points per year.

6. Comprehensive Examination.

Toward the end of his senior year, the student will take a three-hour written examination covering all his work in the major subject. This may be followed, at the discretion of the department concerned, by an oral conference and must be passed if the student is to graduate.
Registration denied—A failure in scholastic requirements results in denial of re-registration in cases defined as follows:

a. Any student who fails to make six points at any semester report.

b. A freshman who, earning at least six points but less than nine during the first semester, has been placed on probation and fails to earn twelve points by the end of the second semester.

c. A freshman who fails to make twelve points during the second semester, unless his work has been previously earning eighteen points.

d. A sophomore who, failing to make twelve points during the first semester, has been placed on probation and is not earning at least fourteen points by the end of the second semester.

e. A sophomore who fails to make fourteen points during second semester, unless his work has been previously earning eighteen points.

f. A junior who, failing to make fourteen points during the first semester, has been placed on probation and is not earning at least sixteen points by the end of the second semester.

g. A junior who fails to make sixteen points during the second semester, unless his work has been previously earning eighteen points.

An "Incomplete"—When a student's registration in college is affected by an "I" grade upon his record he must remove this incomplete at least one week before registration to receive credit in the course.

Special Pre-Medical Provision

Any student who successfully completes all the specific requirements for graduation at Denison and all the specific requirements for admission to an A grade medical school, with a total credit of 98 semester hours and 110 points, shall receive the degree from Denison upon successful completion of the first year's work in such A grade medical school.
Pursuant to the action of the Board of Trustees on March 17, 1933, the following modifications in tuition and other charges are announced for the year 1933-34:

Tuition, per semester ........................................... $112.50
Hospital Fee, per semester .................................... 5.00
Student Activity Fee, determined by student action
Board, per semester (Women only) ............................... 90.00

Corresponding figures on pages 55-56 of this catalogue are to be disregarded.

REVISED SUMMARY OF EXPENSES FOR THE YEAR

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
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<td>225</td>
<td>225</td>
</tr>
<tr>
<td>Hospital Fee</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Special Laboratory Fees</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>Rent</td>
<td>165</td>
<td>200</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>20</td>
<td>40</td>
</tr>
<tr>
<td>Social Activity</td>
<td>35</td>
<td>85</td>
</tr>
<tr>
<td>Personal incidentals</td>
<td>40</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>545</td>
<td>880</td>
</tr>
</tbody>
</table>

A cooperative house for girls was established in 1932 in which the expense for board and room was approximately $160.00 for the year. This plan will be continued and extended during the coming year.
**EXPENSES**

**TUITION**

Per semester (Including $8.00 in special fees).......................... $125.00
Athletic Fee, per semester.................................................. 2.50
Hospital Fee, per semester.................................................. 2.50

Tuition in Conservatory of Music, (See page 117).

**DIPLOMA FEES**

Bachelor's Degree......................................................... $ 5.00

**EXTRA CHARGES FOR CERTAIN COURSES**

The fees indicated below are in all cases for a single semester. In some cases the fee is not a fixed amount, but depends upon special circumstances. Such cases are not included in this table.

**ASTRONOMY—Course**

112.................................................. $2.00
212.................................................. 2.00
311-312 per credit hour............................................... 1.00

**BOTANY—Course**

111.................................................. $ 3.00
113.................................................. 2.00
213.................................................. 3.00
315.................................................. 4.00
317.................................................. 4.50
417.................................................. 1.00

**CHEMISTRY**

A deposit of $3.00 is required for each laboratory course, to cover breakage and use of non-returnable supplies. Additional fees as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
<th>Course</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>111</td>
<td>$ 5.00</td>
<td>112</td>
<td>$5.00 (or $7.50)</td>
</tr>
<tr>
<td>211</td>
<td>5.00 (or $7.50)</td>
<td>212</td>
<td>$5.00 (or $7.50)</td>
</tr>
<tr>
<td>223</td>
<td>6.00</td>
<td>224</td>
<td>6.00</td>
</tr>
<tr>
<td>313</td>
<td>Consult instructor</td>
<td>314</td>
<td>Consult instructor</td>
</tr>
<tr>
<td>223</td>
<td>5.00</td>
<td>412</td>
<td>5.00</td>
</tr>
<tr>
<td>413</td>
<td>No fee</td>
<td>414</td>
<td>No fee</td>
</tr>
<tr>
<td>415</td>
<td>Consult instructor</td>
<td>416</td>
<td>Consult instructor</td>
</tr>
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</table>
Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>415</td>
<td>$8.00</td>
</tr>
<tr>
<td>416</td>
<td>$8.00</td>
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</table>

Engineering Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>111</td>
<td>$1.00</td>
</tr>
<tr>
<td>112</td>
<td>$1.00</td>
</tr>
<tr>
<td>113</td>
<td>10.00</td>
</tr>
<tr>
<td>114</td>
<td>10.00</td>
</tr>
<tr>
<td>115</td>
<td>1.00</td>
</tr>
<tr>
<td>212</td>
<td>2.00</td>
</tr>
<tr>
<td>211</td>
<td>1.00</td>
</tr>
<tr>
<td>325</td>
<td>1.00</td>
</tr>
<tr>
<td>336</td>
<td>1.00</td>
</tr>
<tr>
<td>330</td>
<td>2.00</td>
</tr>
<tr>
<td>412</td>
<td>1.00</td>
</tr>
<tr>
<td>411</td>
<td>1.00</td>
</tr>
</tbody>
</table>

Geology

<table>
<thead>
<tr>
<th>Courses</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>111 and 112 each</td>
<td>2.00</td>
</tr>
<tr>
<td>All other Courses, each</td>
<td>1.00</td>
</tr>
</tbody>
</table>

Music—Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>201, 202, 221, 222, 313, 314, 331, 332</td>
<td>12.00</td>
</tr>
<tr>
<td>301, 302, 311, 312, 441, 442, 451, 452</td>
<td>8.00</td>
</tr>
</tbody>
</table>

Pianoforte, Voice, Organ, Violin, Violoncello, Wind Instruments.

| Two private lessons per week | 50.00 |
| One private lesson per week  | 27.50 |

Philosophy—Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>326</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

Physical Education for Women

Each student taking required work in physical education must pay a $2 laboratory fee each year. One dollar may be paid at the beginning of each semester.

Physics—Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td>2.00</td>
</tr>
<tr>
<td>211</td>
<td>3.00</td>
</tr>
<tr>
<td>311</td>
<td>3.00</td>
</tr>
<tr>
<td>431</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Zoology—Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>111, 112, 211, 212, 223, 224, 227, 228</td>
<td>1.25 per hour of credit</td>
</tr>
</tbody>
</table>

Board and Rooms

Room Rent per Semester:

<table>
<thead>
<tr>
<th>Gender</th>
<th>Location</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>Talbot Hall</td>
<td>$22.50 to $40.00</td>
</tr>
<tr>
<td>Women</td>
<td>Beaver and Sawyer Halls</td>
<td>100.00</td>
</tr>
<tr>
<td></td>
<td>Other Halls and Cottages</td>
<td>75.00</td>
</tr>
</tbody>
</table>

Board per Semester (Women only) $108.00
Men must make private arrangements for their meals, as there is no men's dining hall.

Refunding of Board. Women students leaving on regular dismissal before the December vacation of the first semester or the spring vacation of the second, are charged for the number of weeks in residence at the rate of $8.00 per week and the balance of the board bill is refunded. No refund is granted to students leaving after these dates.

Men's Dormitory. Rooms for men in Talbot Hall may be secured on application to the Bursar by paying a deposit fee of $5.00 on or before August 1. This fee is credited on the room rent if the room is subsequently occupied by the applicant, subject to the rules and regulations governing the use of dormitories; otherwise it is forfeited. No room can be secured for a shorter time than one semester. If a room is vacated for any cause during the semester no rent will be refunded, except that students leaving college during the first three weeks of the semester will be charged only half the semester's room rent. The right to occupy a College room is given only to the student to whom the room is assigned and to his assigned room-mate. There shall be no exchanges of rooms or substitution of one occupant for another without permission from the Bursar's office. In case permission is given for any change of room within the dormitory, a transfer charge of $2.00 will be made. No student shall at any time take up his residence in a College room without permission from the Bursar.

Rooms are in suites comprising study room and bed-room (except single rooms for one person) and are supplied with dresser, bookcase and chairs, single iron bedsteads, mattresses and springs. Bedclothing and towels are provided by the student. The rooms are lighted by electricity and heated by hot water, and are in close proximity to lavatories on the same floor, where shower baths are provided with hot and cold water.
Women's Dormitories—Rooms are provided for young women on lower campus in Burton Hall, King Hall, and Stone Hall, in Parsons House on the corner of Elm and Mulberry streets; in Mary Thresher Beaver Hall, Sawyer Hall and Gilpatrick House on the upper campus. Rooms may be secured by paying an application fee of $10.00. This fee is credited on the room rent if the room is subsequently occupied by the applicant. It is not returnable after September 1st if the student has been accepted for admission. No room can be secured for a shorter time than one semester. No refund of room rent can be made because of withdrawal during the semester, except that students leaving College during the first three weeks of a semester will be charged only one-half of the semester's room rent.

The right to occupy a College room is given only to the student to whom the room is assigned and to her room-mate. There shall be no exchanges of rooms or substitution of one occupant for another without the permission of the Dean of Women. For important information concerning admission, see page 43.

Ample lavatories are provided on each floor, which have baths with hot and cold water. Single iron bedsteads, mattresses, springs and rugs are provided in all rooms. All rooms and halls are lighted by electricity and heated by hot water. All bedding and toilet appliances are furnished by the students, whether in dormitories or cottages. Breaking or other damage to furniture of rooms is charged to the occupants.

Payment of Bills

All semester bills, including room and board in college dormitories and dining halls, are due and payable in full on registration day.

In case a student or his parents cannot pay the entire bill at the time of registration, but can supply in advance satisfactory assurance that full payment can and will be made within sixty days from the beginning of the semester, the student, upon the payment
of a deferment fee of $2.50 and one half of his semester bill, will be granted provisional registration. Failure to complete payment of the semester bill by the end of the sixty day period will automatically cancel his registration.

No student shall be permitted to take the final examination in any course or register for another semester's work unless all his College bills due at that time are paid.

All checks should be made payable to Denison University and should be addressed to The Bursar, Denison University, Granville, Ohio.

**Special Fees**

*Excess Registration.* For conditions and amount, see page 48.

*Partial Registration.* Students taking less than 10 hours per week will be charged as follows: $8.00 per semester hour, and the special fees for athletics, student activities and hospital service. See exception in Conservatory (page 118).

Late Registration. See page 48.

*Examinations.* A fee is charged for a special examination: $2.00 in case of a final; and $1.00 for a mid-semester, 1 hour examination.

*Refunding of Tuition.* All registrations are for an entire semester and no money is refunded to a student who leaves before the end of the semester, with the following exceptions: a college student leaving during the first half of the semester, and regularly dismissed, will pay for the time of his actual enrollment at the rate of $8.00 per week, counting from the first of the semester to the date of dismissal. The remainder of the tuition charges will be refunded excepting laboratory and other special fees.
### Summary of Expenses

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Liberal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition (including general student fees)</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Special Laboratory fees</td>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>Room Rent</td>
<td>70</td>
<td>200</td>
</tr>
<tr>
<td>Board</td>
<td>180</td>
<td>216</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>30</td>
<td>50</td>
</tr>
<tr>
<td>Fraternity and Social</td>
<td>45</td>
<td>85</td>
</tr>
<tr>
<td>Personal Incidentals</td>
<td>50</td>
<td>90</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>635</td>
<td>941</td>
</tr>
</tbody>
</table>

### Student Employment

A limited amount of remunerative employment is furnished by the University, including stenography, typing, mimeographing and other office work; library, laboratory and departmental assistance; messenger and telephone service, hall duty, janitor, carpenter and campus work. Total earnings of about $25.00 per semester are usually possible for a new student who secures a student employment assignment. Apply to the Student Aid Committee for such employment.
Departments and Courses of Instruction

All the departments of instruction are listed in alphabetical order in the following pages, with the title, outline, and other information of all the courses offered. The numbering indicates the year in the curriculum for which the courses are primarily intended, 100-200 for freshmen, 200-300 for sophomores, and so on. The odd-numbered courses are given in the first semester, the even-numbered in the second semester; in a few cases the course is repeated, with the same numbering, in the other semester. The Roman numeral indicates the period in the daily schedule at which the class meets and the hours refer to the units of credit for the course. Four-hour courses at periods I and II omit Friday; at other periods, omit Monday. Three-hour courses at periods I and II meet Monday, Wednesday, Friday; at periods III and IV, Monday Tuesday and Thursday; at periods VI and VII, Tuesday, Thursday and Friday. Two hour courses at the respective periods meet on the days omitted in the three-hour schedules. One-half hour at ten o'clock is reserved for chapel and assembly periods.

ART

MR. DEAN, MR. KING

The Department of Art offers courses which are designed to accomplish a two-fold purpose. It places at the disposal of students essential foundation material for those who wish to study art as a profession. The technical courses which are offered cover the field of drawing and design which is required as the fundamental training for all branches of art.

101. APPRECIATION OF ART. A course of illustrated lectures which deals with the historical development of the architecture, sculpture and painting of the Western World. Outstanding examples and personalities are presented for study and critical discussion.

2 hrs. Monday VI-VII. Mr. King.
205. HISTORY OF ART. A survey by countries and periods of architecture, sculpture, and painting based on pictures of the different objects. From the earliest times down to 1500. VI. 3 hours. Mr. Dean.

206. HISTORY OF ART (Continuation of 205). From 1500 to the present time. Open to election separately. VI. 3 hours. Mr. Dean.

112. ELEMENTS OF ART. Principles and practice of freehand drawing in pencil and charcoal, combined with the study of the fundamental principles of design. Color theory is introduced with problems in the use of colors as structural and decorative elements in original designs. 3 hrs. Mon.-Wed. VI-VII. Mr. King.

211. DRAWING AND DESIGN. Problems in drawing and design with special emphasis on the application of natural and abstract motifs in pictorial units. 3 hrs. Mon.-Wed. VI-VII. Mr. King.

212. PROBLEMS IN ART STRUCTURE. Advanced problems in pictorial organization with a special study of the various techniques in such media as charcoal, pen and ink, water colors and oils. 3 hrs. Mon.-Wed. VI-VII. Mr. King.

Courses 211 and 212 have hitherto been classified as Engineering Science 113 and 114.

ASTRONOMY

MR. BIEFELD

A major sequence in this department includes the following courses: 211-212 (8 hours), 214 (2 hours), 311-312 (8 hours), 411-412 (6 hours).

101-102. ANCIENT AND MEDIEVAL ASTRONOMY. Two lectures a week and assigned reading in mythology of constellations. Study of the heavens one hour each week with naked eye and the telescope of the observatory. Open to all. IV, 2 hours.

111. ELEMENTARY ASTRONOMY. Four recitations a week based upon lectures with mimeograph notes and text, with one hour a week (needing no preparation on the part of the student) on Tuesday or Thursday, 8-9 p.m., for constellation study and the demonstration of instruments. No prerequisite. VI, 4 hours.

112. ELEMENTARY PRACTICAL ASTRONOMY. This introduces students who have had course 111 or its equivalent, and engineering students, to the use of the instruments in solving practical astronomical problems in an
elementary way. Prerequisite, course 111. Fee, $2.00, with laboratory.
hours to be arranged.

211. Descriptive Astronomy. A standard text is used together with
lantern slides and demonstration of the instruments of the observatory. Pre-
requisite, Freshman Mathematics. Physics, 111-112 is advised. I, 4 hours.

212. Practical Astronomy. This is a laboratory course for the
solving of astronomical problems with the precision that the modern instru-
ments of the observatory allow. Prerequisites, course 211 and Physics
211. Fee, $2.00.

214. Method of Least Squares. Advised for students taking course
212. Hours to be arranged.

311-312. Advanced Observational Work. Measurement of double
stars and position of celestial objects differentially with position micrometer.
Stellar Photometry with naked eye and wedge photometer. Prerequisite,
course 211. Hours to be arranged. Fee, $1.00 per credit hour.

411-412. Introduction to Celestial Mechanics. A standard text is
used taking up the fundamental principles of the subject. Application to
determination of ephemerides and orbits of planets and comets. Prere-
quisite, course 211 (may be taken the same time as 411) and the calculus,
including, preferably, an introduction to differential equations. IV, 3 hours.

BOTANY

Mr. Stickney

111-112. General Biology. A consideration of living organisms and
life processes, and a study of the origin of individuals and races through
reproduction and evolution. The course does not follow the lines of element-
ary botany of secondary schools and is designed equally for those entering
with or without such course. Fee, $3.00. Lectures and quiz Tuesday and
Thursday, IV. Laboratory, two sections, Monday or Wednesday, III-IV.
3 hours.

113-114. Descriptive and Systematic Botany. A general treatment
of the higher flowering plants, emphasizing structure and function in the
first semester and identification and classification in the second. An intensive
course in elementary botany, as an introduction to the subject and for
prospective teachers. Field trips alternate with laboratory studies during
the open season of both semesters. Open to all. Fee, $2.00.

VI-VII, 3 or 4 hours.
209. Application of Botany. A lecture course dealing with man's relation to plants and plant life. The plant as a food-building machine, the world's food supply, fuel, drug plants, fibre plants, poisonous plants, lumber, forest influences and conservation, and ornamental plants and landscaping are among the topics included. Open to all. II, 2 hours.


211-212. Field and Floristic Botany. A course dealing with the vegetation of selected areas, as worked out in actual field study. Emphasis is placed upon the composition of the various plant associations considered, in correlation with the specific climatic, edaphic and biotic factors making up its environment. The course is logically a continuation of Botany 113-114, which course, or its equivalent, is prerequisite. Hours to be arranged. 3 or 4 hours.

213-214. Plant Morphology. A very general survey of the plant kingdom, with a study of type forms from the lowest to the highest orders. One all-day field trip and several shorter excursions each semester. Alternates with courses 315-316. Prerequisites, Courses 111-112 or 113-114, or Zoology 111-112. Fee, $3.00. Four credits. Offered in 1933-34. Rec. T. and Th. III, Lab. W. and F. III-IV, 4 hours.

315-316. Plant Histology and Physiology. The study of cells, tissues, and organs of higher plants, and of the relation of these structures to life processes. Special attention is given to the technique of microscopic study during the first semester, and to experimental methods during the second. Alternates with courses 213-214. Prerequisites, courses 111-112 or 113-114. Fee, $4.00. Not offered in 1933-34. Rec. T. and Th. III, Lab. W. and F. III-IV, 4 hours.

317-318. Bacteriology. An elementary course introducing the student to the nature and activities of bacteria, and to the technique and methods of bacteriological study. Elementary chemistry is advised in addition to course 111-112 or Zoology 111-112, the regular prerequisite for this course. Fee, $4.50. Not offered in 1933-34. I-II, 4 hours.

417-418. Botanical Seminar. The study of special topics with reports in class upon assigned readings. Either or both semesters may be taken. Ability to use French or German is desirable. Open to juniors and seniors only. Prerequisite, course 111-112 and an additional year's work in the department. Hours to be arranged. Fee, $1.00. 2 hours.
419-420. Advanced Botany. Special work on assigned problems leading to research in botany. This course may be taken only by competent students, and with consent of the head of the department. Two to five credits. Hours arranged individually.

CHEMISTRY

Mr. Ebaugh, Mr. Everhart

Students specializing in Chemistry usually take courses 111-112, 211-212, 223-224, 411-412, and 413-414. If they cannot present the prerequisite for courses 411-412, enough credits must be offered from courses 113, 210, 312, and 313-314 to make up the minimum of 24 hours.

110. Chemistry of the Home. The application of chemistry to household problems, foods, nutrition, etc. Prerequisite, high school chemistry. Lecture or recitation, Wednesday and Friday, III. 2 hours. Mr. Ebaugh.

111. General Chemistry. (Non-metals.) Principles and theories of chemistry, the quantitative aspect of the subject and the solution of problems in chemical arithmetic. It is recommended that a student complete a course in elementary chemistry or physics as a preparation for this course. Fee and deposit, $8.00. Section A; recitation or lecture Monday and Wednesday, II period, laboratory Tuesday and Thursday, I and II period. Section B; recitation or lecture Tuesday and Thursday, VII period, laboratory Monday and Wednesday, VI and VII period. 4 hours. Mr. Ebaugh.

112. General Chemistry. (Metals and Qualitative Analysis.) A continuation of course 111. The close connection between chemistry and industry is emphasized. Reactions of metallic and non-metallic ions, and the analysis of mixtures of increasing difficulty. Prerequisite, course 111. Fee and deposit, $8.00. Four or five credits may be earned depending upon the amount of laboratory work taken. Sections and hours as in course 111.

Mr. Ebaugh.

113. Chemical Calculations. Methods of calculation employed in solving numerical problems dealing with the application of fundamental laws to practical questions. Course 111 must accompany or precede this course. Recitation, Friday, II. 1 hour. Mr. Everhart.
210. **ADVANCED INORGANIC CHEMISTRY.** (Elementary Physical Chemistry.) The principles of chemistry; it supplements course 111-112, and is intended to furnish a thorough drill in the application of basic laws and theories of the structure of inorganic substances. Prerequisite, course 112. Lecture or recitation, Tuesday and Thursday, II. 2 hours. Mr. Everhart.

211-212. **QUANTITATIVE ANALYSIS.** Gravimetric, volumetric, and electrolytic methods of analysis are studied. Constant drills in chemical calculations and underlying theories. Prerequisite, course 112. Fee and deposit, $8.00 per course. Recitation, Monday IV, laboratory, Monday and Wednesday, or Tuesday and Thursday, VI and VII. 3 hours. Mr. Ebaugh.

223-224. **ORGANIC CHEMISTRY.** A study of carbon compounds is accompanied by the preparation of typical organic substances, determination of physical constants and chemical properties, and practice in the use of tests employed in special branches of chemistry. Prerequisite, course 112. Fee and deposit, $8.00 per course. Lecture or recitation Monday and Wednesday, I, laboratory, Thursday or Friday, I and II. 3 hours. Mr. Everhart.

312. **CHEMISTRY OF INDUSTRY AND BUSINESS.** The application of chemistry to processes and problems of industry and business. Prerequisite, course 112. Lecture or recitation, Tuesday and Thursday, III, supplemented by regular inspection trips to manufacturing plants. 3 hours. Mr. Ebaugh.

313-314. **ADVANCED QUANTITATIVE ANALYSIS.** Special methods of analysis in the following groups: (a) mineral and ore analysis, (b) water analysis, (c) gas analysis, (d) foodstuff analysis, (e) metallurgical analysis, (f) technical analysis for specific industries. Prerequisite, course 212, and for (d), course 224. Fees, credit and hours to be arranged. Mr. Ebaugh.

411-412. **PHYSICAL CHEMISTRY.** (Theoretical Chemistry.) Modern theories of the atomic concept of matter, energy in chemical systems, the gaseous, liquid, and solid states of aggregation, solutions, chemical equilibria, thermochemistry, electro-chemistry, photo-chemistry, and colloid chemistry. Prerequisites, courses 212 and 224, Physics 212 and calculus. Fee and deposit, $8.00 per course. Lecture-recitation, Wednesday and Friday, IV. Laboratory hours to be arranged. 3 hours. Mr. Everhart.

413-414. **HISTORY OF CHEMISTRY.** Prerequisite, course 224. Hours to be arranged, (usually Tuesday VIII.) 1 hour. Mr. Ebaugh.
A major in Classical Languages may be secured by completing (1) Greek 111-112, 211-212 and Latin 111-112 and 211-212; (2) Greek 111-112, 211-212 and ten additional hours in Greek; (3) Latin 111-112, 211-212 and ten additional hours in Latin. (Latin 101-102 may not be counted on the major.)

Courses Not Involving a Study of the Language

GREK

101. GREEK CIVILIZATION. A topical study of the different elements which entered into the Greek civilization of its best period, together with a study of the contribution which that civilization has made to our times. The course does not require a knowledge of the Greek language. Open to all students. Offered in 1933-34. IV, 2 hours. Miss Akers.

102. GREEK LITERATURE IN ENGLISH. A course designed to give an acquaintance with the field of Greek Literature and its contribution to modern thought. Lectures and assigned readings from translations of Greek authors. Open to freshmen by permission. Offered in 1933-34. IV, 2 hours. Miss Akers.

LATIN

215. ROMAN LIFE. An outline of the more important phases of Roman character and achievement. The text book will be supplemented by notes and assigned reading, with photographs and illustrations for certain portions of the work. Not open to freshmen. Not offered in 1933-34. VI, 2 hours.

216. MYTHOLOGY-RELIGION. A study of the myths of the Greeks and Romans, with special reference to their influence in English Literature. Lectures and readings on Roman religion. Open to freshmen by permission. Not offered in 1933-34. VI, 2 hours.

Language Courses:

GREEK

111-112. An introduction to the Greek language through the study of Attic Greek. Drill on forms, grammar and sight reading. Open to all students. II, III, 4 hours. Miss Akers.
211. ATTIC PROSE. Selections from Xenophon and Herodotus. Emphasis upon rapid reading from sight. IV, 3 hours. Miss Akers.

212. HOMER. Lectures on the form and the background of the epic. Rapid reading from selected portions of the Iliad and Odyssey. IV, 3 hours. Miss Akers.

Note—Courses 211-212, 211-212, are prerequisite for any of the following courses.

331-332. NEW TESTAMENT. Rapid reading in the Synoptic Gospels and the Epistles; study of the philology and interpretation of the portions read. Alternates with courses 333-334. 1, 2 hours. Mr. Dean.

333-334. NEW TESTAMENT. Selections from the Gospel of John, the Acts, and Revelation; philology and interpretation. (Period to be arranged.) Offered in 1933-34. 2 hours. Mr. Dean.

411-412. According to the desire of those majoring in Greek, dramas or portions of Plato or of Demosthenes will be read. Period to be arranged. 3 hours. Mr. Dean.

LATIN

101. Selections from the Orations of Cicero, or from Ovid's Metamorphoses. Intensive work in form and syntax; sight translations. Open to students who have had two or three years of secondary Latin. 5 days. 1, 4 credit hours. Miss Akers.

102. VIRGIL. Selections from the first six books of the Aeneid; supplementary work as in course 101. Prerequisite, course 101, or 3 years of secondary Latin. 5 days. 1, 4 credit hours. Miss Akers.

111. SELECTIONS FROM LATIN PROSE LITERATURE. Comprehension and analysis of the language and style are emphasized both in prepared and in sight translation. For students who have four years of Latin in High School. III, 4 hours. Mr. Dean.

112. SELECTIONS FROM ROMAN POETRY. An introduction to the best poems in Latin literature. Notes on Roman poetry and metrical study. III, 4 hours. Mr. Dean.

211. LATIN COMEDY. Plautus and Terence, three or more plays. Notes on the history of Ancient Drama. Sight reading. IV, 3 hours. Mr. Dean.

212. PLINY AND CATULLUS. Letters and Poems with some attention to the social life of the periods in which they were written. IV, 3 hours. Mr. Dean.
311-312. VIRGIL. A study of the poems of Virgil and their place in the history of literature from points of view which cannot be emphasized in the preparatory school. Especially advised for students who expect to become teachers of Latin in secondary schools. Open to juniors and seniors who have had not less than three semesters' work in Latin. These courses alternate with courses 313-314 and are offered in 1932-33.

II, 3 hours. Mr. Dean.

313-314. LATIN LITERATURE. A comprehensive survey of all the literature in the Latin language down to the Church Fathers. Selections will be read in the original. Complete works will be covered in the best available translations. Histories of Latin literature will be used in conjunction with the authors studied. Alternates with Latin 311-312. Prerequisites, Latin 211-212 and English 211-212.

II, 3 hours. Mr. Dean.

315. METHODS IN LATIN. Lectures on teaching Latin in secondary schools. Discussion and study of special points, such as the aims of the study of Latin, high school Latin courses and text-books, and the correlation of Latin with other studies. Training in reading Latin aloud.

II, 2 hours. Mr. Dean.

316. PROFESSIONAL LATIN. Selected readings from authors studied in second and third year Latin in high schools with emphasis on the teachers' needs. Training in writing Latin. Prerequisite, course 315.

II, 2 hours. Mr. Dean.

ECONOMICS

MR. GORDON, MR. BAKER, MR. RICH

A major in Economics requires a minimum of 24 hours in the department. Economics majors are urged to elect as many as possible of the following courses: Geology 121-122; History 111-112, 221-222; Mathematics 224; Philosophy 222, 326; Political Science 211; Psychology 211; Sociology 211.

102. ECONOMIC HISTORY OF THE UNITED STATES. A study of the development of agriculture, industry, commerce, transportation, finance, and labor problems in the Colonial period, the period from the Revolution to the Civil War, and the period from the Civil War to the present. An introductory discussion course for first year students. Students planning to take this course are urged to take Geology 101 the first semester.

IV, 3 hours. Mr. Gordon.
211-212. **Principles of Economics.** Designed to provide a thorough groundwork in economic theory. Special emphasis is placed on the production of wealth, the mechanism of exchange, the theories of price determination, and distribution of income, followed by an application of these principles to such current economic problems as those presented by our monetary and banking system, financing of government, social control of monopolies and trusts, business cycles and labor relations. The method followed is class discussion with problem work. Credit will not be allowed for a single semester except by special consent.

I, VII, for non-majors. II, for majors. Mr. Gordon, Mr. Baker.

Note: This course is a prerequisite for all other courses in the department except courses 231-232 and 233-234. Prospective majors must attain a grade of at least C.


I, 3 hours. Mr. Rich.

233-234. **Principles of Accounting.** The fundamental principles of double-entry accounting and their application in the recording of business transactions. Preparation and interpretation of balance sheets and statements of profit and loss. Elementary problems of valuation, and determination of depreciation. Credit will not be allowed for a single semester.

I, 2 hours. Mr. Baker.

315-316. **Financial Organization of Society.** A study of the present day system of money, credit, and banking in the United States with special attention to the problems of investment banking, the stock exchange, commercial banks, savings banks, consumptive credit institutions, and the operation of the Federal Reserve System. An examination of monetary and banking theories. The possibility of control of the business cycle through monetary and banking reforms. Some comparison between American and European credit and banking practice. Credit will not be allowed for a single semester.

III, 3 hours. Mr. Baker.

317. **Labor Problems.** The course has two main purposes. The first will be to study the historical background and origin of labor problems; current conditions giving rise to current problems; modern wage theories and the worker's share in national income. This will be followed by an analysis of the laborers' efforts to improve their status through labor organizations and collective bargaining; of employers' attempts to solve the problems through scientific management, employee representation and profit sharing; concluding with the efforts of society, through government, to solve the problems by legislation.

IV, 3 hours. Mr. Gordon.

321. Principles of Public Finance. An intensive study of the sources of governmental income with emphasis on borrowing, the theories and incidence of taxation and the growth and significance of public expenditures. Major attention will be given to federal finance, but problems of state and local finance will be considered. I, 3 hours. Mr. Gordon.

331. Economics of Consumption. A social study of the theory of consumption and of waste in the consuming of wealth, followed by an analysis of various means of eliminating or reducing waste, with emphasis on the individual's opportunity and responsibility. Designed to benefit all students who are interested in improving living standards in general, and their own in particular, through wiser consuming methods. II, 2 hours. Mr. Gordon.


416. International Economic Relations. Starting with a study of fundamental principles, the course will proceed to the application of these principles to the analysis of such international economic problems as the tariff, shipping subsidies, capital investment, war debts and reparations. II, 3 hours, Mr. Gordon.

420. Economics Seminar. This course is designed to provide an opportunity for economics majors, who have shown exceptional ability, to learn the elements of research methods. The group will meet regularly and each member will work on an approved topic. Time to be arranged, 2 hours. Mr. Gordon.

EDUCATION

Mr. Hawes, Mr. Major, Mrs. Mirise

A graduate of Denison may secure a provisional certificate, effective for four years, by including in his program of studies
certain courses in Education that are prescribed by the State Department of Education. To accomplish this, the student should elect Education as a major.

101. METHODS OF STUDY. A course designed to familiarize students with the more successful and approved methods of studying. One hour lecture class work per week. No prerequisites. VI, 1 hour. Mrs. Mirise.

211. INTRODUCTION TO SCHOOL MANAGEMENT. This course deals with classroom management as distinguished from instruction. Types and methods of class organization, grouping of pupils, supervised study, standardized tests, records and reports, are the main topics of this course. Open to freshmen by permission. III, IV, 3 hours. Mr. Hawes, Mrs. Mirise.

212. PRINCIPLES OF SECONDARY EDUCATION. Study of the secondary school pupil, his physical and mental traits, individual differences, social principles, and subject values. Prerequisite, course 211, with a course in Psychology. III, IV, 3 hours. Mr. Hawes.

311. THE TEACHING OF SCIENCE. To inculcate the power to think constructively; the special methods for imparting that ability. To be offered in even-numbered years. VII, 3 hours. Mr. Hawes.

313. HISTORY OF EDUCATION. The purpose of this course is to trace in considerable detail the educational development in European countries from the earliest times to the present and to show in what way this development has been affected by the social and political facts of history and the contributions of the leading educational theorists. Lectures, outside readings and class discussion. No prerequisite. VII, 3 hours. Mrs. Mirise.

314. HISTORY OF EDUCATION IN THE UNITED STATES. A course in the historical backgrounds of American education, with special emphasis on the theories and practices which resulted in the attainment of a free public school as an expression of American democracy. Lectures, outside readings and class discussion. No prerequisite. VII, 3 hours. Mrs. Mirise.

316. OBSERVATION AND PARTICIPATION. This course is intended for direct preparation and is prerequisite to student teaching. It includes classroom work, conferences, two hours of observation, and written reports each week. Required of students transferring from educational institutions where Observation is a separate course. No credit. VII, 2 hours. Mrs. Mirise.

317. EDUCATIONAL STATISTICS. Designed for teachers, supervisors, and superintendents. Practice in making distributions, finding the coefficient of correlation, transmitting scores, finding partial correlations, fitting a normal curve. VII, 2 hours. Mr. Hawes.
318. Tests and Measurements. A course including lectures, outside readings, and class discussions, covering the general field of intelligence and educational tests, and dealing specifically with the improvement of the written test, and the use of examinations as a teaching procedure.

VII, 2 hours. Mr. Major.

319. Teaching of History and the Social Sciences in the High School. The recitation, the use of maps, charts, diagrams, notebooks, collateral reading, the problem of emphasis, and the high school library are topics to be dealt with at length. Particular emphasis is placed on the teaching of history.

IV, 2 hours. Mrs. Mirise.

402. Professional Readings. Selected subject material just off the press gives the prospective teacher the attitude of professional growth, a knowledge of the means of training while in service, and a true idea of professional ethics.

VI, 1 hour. Mrs. Mirise.


IV, 3 hours. Mr. Major.

414. School Administration and Supervision. A study of the duties and opportunities of administrative and supervisory officers, including a survey of organization and management of educational systems. Observations, surveys, and practical field work under supervision. Prerequisite, 12 hours in Education and Psychology.

III, 2-3 hours. Mr. Hawes.

415; 416. Student Teaching. To be eligible for this course, a student must have been in residence at Denison for one college year, must complete a major in education, and present an average grade of B in the subject which he expects to teach; he must also secure a recommendation from the head of the department of his teaching subject. No student should attempt to carry more than 12 academic hours of credit in addition to his student teaching. In this course, all effort centers upon these objectives: teaching under supervision, the preparation of lesson plans, conferences upon lesson plans, and conferences following the observed student teaching. A laboratory fee of $8.00 will be required. Hours to be arranged, 4 to 6 hours.

Mr. Major, Mr. Hawes, Mrs. Mirise.

All special methods courses are offered with the cooperation of this department. The prerequisites for these courses are 6 hours of Education and 6 hours of Psychology. Exceptions to this regulation must have the approval of this department. For courses in special methods of teaching, see English 413; Latin 315; Mathematics 323; Music 313-314; Physical Education for men 311, 312, 343, 344; Physical Education for women 325, 326.
The engineering courses offered by this department are fundamental for such engineering fields as Architectural, Chemical, Civil, Electrical, Mechanical, Mining Engineer, and Engineering Physics. Students majoring in this department, with properly chosen electives, receive a broad but practical engineering training. They are prepared on graduation for professional employment or for further specialization as follows:

1. They may secure permanent employment with industries which prefer to accept students with a general engineering education upon which to develop, by apprentice training, men to fill responsible positions.

2. They may obtain temporary employment with the idea in mind of finding from actual experience the line of specialization they wish to follow.

3. They may proceed at once with their graduate work.

Since the courses at Denison are identical with those in most technical and engineering schools, credits obtained at Denison may be transferred at their face value.

SCHEDULE FOR ENGINEERING STUDENTS

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The schedule for junior and senior years will vary according to the branch of engineering the student desires to follow and must be worked out by the student in conference with his adviser. Other courses in the engineering curriculum such as Art, Business Law, Chemistry, Economics, Electricity, Geology, Mathematics, Physics, Radio and similar subjects are available in other departments.

111-112. ENGINEERING DRAFTING. Use of instruments, lettering, free-hand sketching, working drawings, tracings; Theory of Orthographic, Oblique and Perspective Projections. Required of all Engineering students. Laboratory, recitation, and quiz. No prerequisites. Fee $1.00. Five days a week.

STATISTICAL GRAPHICS. A drafting course especially designed for non-engineering students containing the elements of instrument use, lettering, and tracing. Theory of diagramming, charting, and graphing trend, possibility, and allied curves. Problems are assigned from the major studies of the individual students. Laboratory, recitation and quiz. Fee $1.00. Mon. and Wed. No prerequisites.

113-114. ARCHITECTURAL DRAWING. An elementary course in house planning, primarily for students who are not majoring in science or engineering; architectural elements, their function and form; drawing of floor plans, elevations and details. No prerequisites. Fee $1.00. Tuesday, Thursday and Friday.

115. MACHINE DRAWING. Elementary design, working drawings and tracings. Prerequisite, course 111. Fee, $1.00. Same periods as 111. 2 hours.
201. **HIGHWAY TRANSPORT.** History of highway transport development; economics and fundamentals of different methods of transportation of passengers and commodities. Open to approved students of sophomore standing. Not offered 1933-34. III, 2 hours.

211. **DESCRIPTIVE GEOMETRY.** An intensive development of the conventional projection theories or drafting with problems and applications in point, line, and plane; intersection and development of surfaces. Prerequisite, Engineering Science 111. Fee, $1.00. III, 4 hours.

212. **ELEMENTARY SURVEYING.** Fundamental surveying methods; use of steel tape, level and transit; differential and profile leveling; land surveying, areas and plotting. Prerequisite, course 111 and Trigonometry. Fee, $2.00. Two recitations and two laboratory periods per week. VI, 4 hours.

311. **TECHNICAL MECHANICS.** The principles of mechanics with reference to their application to engineering. Mechanics of rigid bodies by graphic and by algebraic methods; mechanics of particles; work and energy; impulse and momentum. Each student is required to provide himself with a slide rule of approved type. Prerequisite, Mathematics 221-222 and Physics 111 and 211. Physics 211 may accompany the course. IV, 5 hours.

312. **MECHANICS OF MATERIALS.** Problems in stress and strain, tension, shearing, compression, torsion, flexure; safe loads, columns; beams, slabs, hooks, etc. Prerequisite, course 311. IV, 5 hours.

322. **MATERIALS OF CONSTRUCTION.** The chemical and physical properties, uses, methods of manufacture, methods of testing and unit stress of each material are considered. The materials studied are: lime, cement, stone, brick, timber, ores, cast iron, wrought iron, steel, and some of the minor metals and alloys. One quiz section, one motion picture lecture per week, one period for reports and computations. Inspection trips are made to manufacturing plants and to the engineering laboratories at Ohio State University. Fee, $12.00 ($10.00 applied to inspection trips.) III, 4 hours.

325. **HIGHWAY ENGINEERING.** Historical development; economic administration and legislation; design of roads and streets and materials used in their construction. Open to juniors and seniors. Not restricted to engineering students. No prerequisite courses. Fee, $1.00. Not offered in 1933-34. I, 3 hours.

327. **RAILROAD CURVES.** Simple, compound, transition, and vertical curves, turnouts, and earthwork computations. Two recitations and three
hours field work per week. Prerequisite, course 212. Field period to be arranged.

332. ADVANCED SURVEYING. City, topographic, hydrographic and stream flow surveying: determination of azimuth, time and latitude. The department is equipped with the most modern precise instruments. Two recitations and one laboratory period per week. Prerequisite, course 212. Field period to be arranged. Not offered 1933-34. I, 3 hours.

411. ANALYSIS OF STRUCTURES. Determination of working stress in roof and bridge trusses and other steel structures under various conditions of loading, by analytical and graphical methods. Prerequisite, course 312. Fee, $1.00. II, 4 hours.

412. STRUCTURAL DESIGN. A continuation of course 411. The design of roof and bridge girders and trusses and other structures with drawings. Prerequisite, course 411. Fee, $1.00. II, 4 hours.

ENGLISH LITERATURE AND RHETORIC

Mr. King, Miss MacNeill, Mr. Shumaker, Mr. Larmore
Mr. Hundley, Mr. Mahood, Mr. Whidden

Those who major in English may go into teaching or some form of literary work, such as writing for newspapers or magazines, proof-reading for publishing houses, or similar work. It should be noted, of course, that training in the reading, writing, and speaking of English is good preparation for any profession.

Students whose major work is in this department will elect, in addition to the specific requirements, a minimum of twenty-six hours from the courses in English. Among these courses should be included English 321-322 and English 333.

111-112. ENGLISH COMPOSITION. Recitations, themes, conferences, and the study of modern prose writers. Required of all freshmen. Sections at periods I, II, III, IV, VI, and VII, 3 hours.
115-116. **ENGLISH COMPOSITION.** Non-credit review. Hour to be selected. 2 hours.

211-212. **ENGLISH LITERATURE.** A survey of the history of English literature, with particular emphasis on poetry. Prerequisites, courses 111-112. II, III, IV, VI, and VII, 3 hours.

213-214. **NEWSWRITING AND EDITING.** Prerequisites, courses 111-112. VI, 3 hours. Mr. Whidden.

**NOTE—** Courses 111-112, 211-212 are prerequisite to all other courses in the department except 213-214.

321-322. **SHAKESPEARE.** I, 3 hours. Mr. King.

323. **MILTON.** A study of Milton's poetry and prose, with some attention to the minor poets of the period. Alternates with course 335 and is not offered in 1933-34. II, 3 hours. Miss MacNeill.

324. **THE ROMANTIC MOVEMENT IN ENGLAND.** A brief review of the movement in the eighteenth century, followed by a closer study of the work of Wordsworth, Coleridge, Byron, Shelley, and Keats. IV, 3 hours. Mr. King.

325. **THE ENGLISH NOVEL.** A study in the development of the novel in England during the 18th and 19th centuries. IV, 2 hours. Mr. Mahood.

326. **THE SHORT STORY.** The reading and the analysis of representative modern short stories. IV, 2 hours. Mr. Shumaker.

329. **THE ELIZABETHAN DRAMA.** Exclusive of Shakespeare. III, 2 hours. Mr. Larmore.

330. **THE MODERN DRAMA.** III, 2 hours. Mr. Larmore.

333. **MIDDLE ENGLISH.** Especial attention to Chaucer and the development of the language. IV, 3 hours.

334. **ADVANCED COMPOSITION.** Expository, critical, and imaginative writing. II, 2 hours.

335. **VICTORIAN POETS.** A study of Tennyson, Mathew Arnold, Swinburne, and other poets of the period. Alternates with course 323 and is offered in 1933-34. II, 3 hours. Miss MacNeill.
336. BROWNING. An intensive study of the shorter poems, together with the reading of selected longer ones. II, 3 hours. Miss MacNeill.

338. AN INTRODUCTION TO MEDIEVAL LITERATURE. A study of romances, prose tales, poems, and other literary forms of the Middle Ages, to give background for the study of later English literature. All reading done in translation.


III, 3 hours. Mr. Shumaker.


III, 3 hours. Mr. Shumaker.

342. THE MODERN NOVEL. A study of recent contemporary American and English fiction. Prerequisite, course 325. IV, 2 hours. Mr. Mahood.

AMERICAN LIFE AND LITERATURE. American literature will be studied together with a broad survey of its historic background. The political history of the United States will be subordinate to a study of the cultural advance of American society. The class will be met alternately by Mr. King and Mr. Utter. This course is open to juniors and seniors and may be counted toward a major in English or History. In registration this course should be designated as “History 351-352.”

II, 5 hours. Mr. King and Mr. Utter.

413. THE TEACHING OF ENGLISH. A course designed for seniors who expect to teach English in high schools. It meets the requirements for the state certificate in special methods. It may also be counted toward a major in English. To apply on the former, six hours in the department of Education and six hours of Psychology are prerequisite. VII, 2 hours. Mr. Shumaker.

GEOL OGY

MR. WRIGHT, MR. McCANN

A student majoring in Geology must pass acceptably at least 24 hours of work in this department. He should take from 20 to 30 hours in Chemistry, Physics, Zoology and Engineering Science,
in order to lay a good foundation of scientific work. The work in these and other supporting sciences will be prescribed in accordance with the needs of the individual student.

101. **NATURAL RESOURCES.** The course starts with a consideration of the mineral wealth of the United States. The leading minerals and mineral fuels are treated from the standpoint of their nature, origin, distribution and utilization. Soils, water, climate, and forests are studied in a somewhat similar manner. Although chief emphasis is laid upon the United States, the international aspects are pointed out. No prerequisites.

II, 3 hours.

111. **GENERAL GEOLOGY.** The elements of dynamical and structural geology. The materials of the earth, their structural relations and the forces operating upon them such as streams, wind, ice, and waves. The laboratory work includes the study of common minerals and rocks, and geologic and topographic maps. Field work is also included. Three lecture hours, and two hours of laboratory or field work.

III, 4 hours.

112. **HISTORICAL GEOLOGY.** The history of the earth and the development of its organisms. The major physical events and the most characteristic features of the life of each period from earliest time to the present are presented. Three lecture hours, and two hours of laboratory or field work.

III, 4 hours.

121. **PHYSICAL GEOGRAPHY AND ITS ECONOMIC ASPECTS.** An elementary course dealing with the earth as a globe, the atmosphere, oceans, and lands. This is a desirable course for those who expect to teach science. Two lecture hours.

II, 2 hours.

122. **GEOGRAPHIC INFLUENCES IN NORTH AMERICA.** A study of the physical features of North America and the geographic influences in American History. Prerequisites, 121 or 111. Two lectures and assigned readings.

II, 2 hours.

211. **MINERALOGY.** For those desiring a general knowledge of the common minerals, the properties by which they are recognized, their significance as constituents of the Earth's crust, and as sources of useful substances. Prerequisites, courses 111-112, and an elementary course in chemistry. Two lectures and one two-hour laboratory weekly. Alternates with course 311. Not offered in 1933-34.

IV, 3 hours.
212. **Economic Geology.** Non-metallic deposits including coal, petroleum, building stones, natural gas, salt, fertilizers, and others. Ore deposits, iron, copper, lead, zinc, gold, silver, and others; also their genesis, occurrence and distribution. Prerequisite, courses 111-112, 211. Alternates with course 314. Not offered in 1933-34. IV, 3 hours.

214. **Petrology.** An elementary course designed for those wishing to study the identification, composition and properties of rocks. Two consecutive hours of laboratory weekly. Prerequisites, Geology 111-112, 211. Ordinarily but not necessarily taken in conjunction with Geology 212. Not offered in 1933-34. Hours to be arranged. 1 hour.

311. **Structural Geology.** A study of the architecture of the earth's crust, in which folds, faults, and other geologic structures and their origin will be considered in detail. Prerequisites, courses 111-112. Two hours of lecture and discussion, and one two-hour period of laboratory or field per week. Alternates with course 211. Offered in 1933-34. IV, 3 hours.

312. **Physiography or the Lands and Map Interpretation.** An advanced course dealing with the evolution of landforms. Constructional landforms, such as plains and mountains, are considered in detail and their histories carefully traced. The work with maps consists in the application of the principles studied in physiography courses to the interpretation of topographic maps. Two hours of lecture weekly will be devoted to physiography and two discussion hours will be given to maps. Prerequisite, courses 121-122. Alternates with course 212. Offered in 1933-34. IV, 3 hours.

320. **Field Work.** An auto trip across the Appalachians going as far east as Charlottesville, Virginia. A complete section through the Appalachians including the Appalachian Plateau, Allegheny Ridges, Shenandoah Valley, Blue Ridge, and Piedmont. A carefully prepared written report with diagrams and sections is required. Open to students who have completed or are now completing at least a year course in geology. Estimated cost, $50. Not offered for less than eight students. Spring Recess. 2 hours.

411-412. **Geologic and Geographic Problems.** Properly prepared students may, with the instructor's consent, undertake library or field problems in geology or geography. The course will ordinarily be offered one semester each year. VI, 2 hours.
Students majoring in history must complete 24 hours in the department, including courses 111-112.

111-112. Modern European History, 1500-1914. An introductory course intended distinctly for freshmen. The first semester's work covers the period to 1789 and the second semester's from 1789 to 1914. Two hours credit if taken by seniors. I, II, VI, 3 hours. Mr. Utter and Mr. DeWeerd.

213-214. History of England. A general course dealing with political, social, and cultural history of the nation. Especially valuable to students of literature and those expecting to enter law.

IV, 3 hours. Mr. DeWeerd.

221-222. History of the United States since 1763. A survey course prerequisite to advanced courses in American history. The student will be expected to read rather widely in the literature of American political and social history. To be taken normally in the sophomore year.

VI, 3 hours. Mr. Utter.

311-312. The World War and its Aftermath. The diplomatic background of the Great War, the war itself, the Versailles Conference and the peace treaties, the new states of Europe, problems of reconstruction, the revival of Turkey, and developments since 1918 are the principal topics studied in this course. Prerequisites, courses 111-112 or equivalent. Intended for juniors and seniors.

I, 3 hours. Mr. DeWeerd.

324. The American Frontier. This course will treat of the importance of the frontier in American economic, political and intellectual development. Prerequisites, courses 221-222 or 351-352. Offered in 1933-34.

III, 3 hours. Mr. Utter.

326. The History of American Diplomacy. Historical analysis of such problems as the American system of neutrality, the freedom of the seas, American commercial policy and movements for the preservation of peace. Prerequisites, courses 221-222 or 351-352. Alternates with course 324. Not offered in 1933-34.

III, 3 hours. Mr. Utter.

331. The French Revolution and Napoleon. The intellectual and economic background of the Revolution will be thoroughly treated. The Revolution itself and the career of Napoleon will be studied with regard to their significance for France and for Europe generally. A reading knowledge of French is desirable but not required. Prerequisites, courses 111-112. Alternates with course 333. Not offered in 1933-34. I, II, 3 hours. Mr. Utter.
333. THE RENAISSANCE AND REFORMATION. The Renaissance will be studied as the period of the revival of nationalism, individualism and conscience as well as the age of renewed interest in art, science, and literature. The Protestant Revolution will be treated in its economic and political as well as in its intellectual and spiritual aspects. Prerequisites, courses 111-112. Offered in 1933-34.

351-352. AMERICAN LIFE AND LITERATURE. American literature will be studied together with a broad survey of its historic background. The political history of the United States will be subordinate to a study of the cultural advance of American society. The class will be met alternately by Mr. King and Mr. Utter. This course is open to juniors and seniors and may be counted toward a major in English or History.

II, 5 hours. Mr. King and Mr. Utter.

MATHEMATICS

Mr. Wiley, Miss Peckham, Mr. Rupp, Mr. Ladner, Mr. Kato, Miss Olney

The courses in Mathematics are planned not only for the development of the student's mathematical knowledge, but also for the formation of a necessary foundation for work in the sciences.

The initial courses are 115-116 of Sequence No. 1 or 121-122 of Sequence No. 2. The second sequence should be elected by those who excelled in high school mathematics and likewise those who had trigonometry in high school. Trigonometry is not, however, a prerequisite for the course. This sequence is advised, by the heads of the departments concerned, for those who anticipate doing their major work in Astronomy, Engineering, Mathematics or Physics.

Two courses numbered higher than 350 and a third course numbered higher than 333 are required of all majors in Mathematics. Each major in Mathematics will, after consultation with the Head of the Department, elect a minimum of twelve hours in subjects related to Mathematics.
Sequence No. 1

115-116. Algebra Review and Plane Trigonometry, first semester; Analytic Geometry, second semester. Students are placed in sections according to ability. The slower sections will be numbered 113-114 and will meet five times each week for the four hours credit. I, II, III, IV, 4 hours.

Miss Peckham, Mr. Rupp, Mr. Ladner, Mr. Kato, Miss Olney.

215-216. The Calculus. Prerequisite, course 116, 122, or 114 with recommendation of the instructor. I, II, 4 hours.

Sequence No. 2

121-122. College Algebra, Plane Trigonometry, Analytic Geometry. A combined two-semester course that is more intensive and more extensive than courses 115-116. Slower section will be numbered 119-120. IV, 5 hours. Mr. Rupp and Mr. Wiley.

221-222. The Calculus, a course of greater intensity and of more content than 215-216. Prerequisite, course 122. (Outstanding students from course 116 may be admitted upon recommendation of their instructor.) I, 5 hours. Mr. Wiley.

Non-sequence Courses

214. Survey of Mathematics. A non-technical course consisting of lectures and assigned readings designed to give the general student an idea of the meaning and the value of mathematics in our culture. Open to Sophomores, Juniors and Seniors. II, 3 hours. Mr. Wiley.

224. Mathematical Theory of Investment. An introduction to the algebra of certain forms of investment and to the fundamental principles of life insurance. Prerequisite, course 115 or 121. Offered in alternate years and not in 1933-34. III, 2 hours. Miss Peckham.

323. Teaching of Mathematics. This is a course in methods in secondary school mathematics and carries credit in the department of Education. Prerequisite, permission of the Head of the Department of Education and the instructor. III, 3 hours. Mr. Rupp.

334. Solid Analytic Geometry. This extends the work of the earlier course into three dimensions. Prerequisite, course 116 or 122. Offered in alternate years and not in 1933-34. III, 4 hours. Mr. Rupp.

336. College Geometry. A synthetic treatment of inversion, collinearity and concurrency, anharmonic division and like topics. This course is designed for students who expect to teach high school geometry and
those who wish to continue work in that subject. Open to all students with consent of the instructor. Alternates with 334 and offered in 1933-34.

I1I, 4 hours. Mr. Rupp.

Courses Requiring the Calculus

351. Advanced Calculus. The content of this course will vary somewhat from year to year to meet the needs of the students electing it. Prerequisite, course 216 or 222. Offered in alternate years and in 1933-34. II, 4 hours. Mr. Kato.

352. Differential Equations. An introductory course. Prerequisite, course 216 or 222. Offered first semester 1932-33. II, 4 hours. Mr. Wiley.


452. Vector Analysis. A concise treatment of the fundamental principles of the subject, with selected applications to geometry, mechanics and physics. Prerequisite, the calculus and General Physics. Offered in alternate years and not in 1933-34. II, 4 hours. Mr. Wiley.

MODERN LANGUAGES

Mr. Chamberlin, Mr. Odebrecht, Mrs. Skinner,
Mr. Amner, Mr. Wiley, Mr. Felt

A knowledge of one modern foreign language, equivalent to a two years' course in college, is required of all students as a condition for graduation. For a major in this department credit of 24 hours beyond the above requirements is necessary; a maximum of 50 hours, of which no more than 40 are in one language, is allowed. No credit is given for less than a year of an elementary course.

GERMAN

111-112. Essentials of German. A beginning course aiming to impart a basic knowledge of the language essential for its use in literary and scientific lines. Daily use of the foreign idiom. IV, VI, 4 hours.

211. Modern Authors. Stories by standard authors, with daily use of German. Review of the grammar and systematic study of syntax and
212. CLASSICAL LITERATURE. Some of Schiller's lyrics and one or more of his dramas, usually *Wilhelm Tell*, and Goethe's *Hermann und Dorothea* are read, with attention to the poetic and dramatic principles; introductory study of the classical period of German literature, including outside readings, on which reports are rendered. Prerequisite, course 211. II, 4 hours. Mr. Chamberlin.

213-214. SCIENTIFIC GERMAN. A year's course for students interested in scientific works. General articles on different branches of science are chosen for the first semester's reading, and special articles in periodicals for the second semester. Co-ordinate with courses 211-212, and same prerequisites. II, 4 hours. Mr. Biefeld.

311. GERMAN CLASSICS. Development of the classical period of German literature, with special regard to Lessing, Schiller and Goethe; critical reading of significant works; lectures; reports on extra readings. Prerequisites, courses 211-212 or 213-214, or 3 years of German in high school. Alternates with course 315. Not offered in 1933-34. VI, 3 hours. Mr. Chamberlin.

312. GOETHE'S *FAUST*, I and II. Continuation of course 311, dealing with the sources, history and interpretation of this masterpiece. Prerequisite, course 311. Alternates with course 316. Not offered in 1933-34. VI, 3 hours. Mr. Chamberlin.

315. MODERN GERMAN LITERATURE. Recent literary movements considered in the works of Hauptmann, Thomas Mann, and other leading writers; outside reading in German and English. Alternates with course 311 with same prerequisites. Offered in 1933-34. VI, 3 hours. Mr. Chamberlin.

316. MODERN GERMAN DRAMA. German drama of the last hundred years as represented by Grillparzer, Hebbel, Hauptmann and others; special readings, with written reports, form a part of the work. Prerequisites, course 311 or 315. Alternates with course 312; offered in 1933-34. VI, 3 hours. Mr. Chamberlin.

FRENCH

111-112. BEGINNERS' FRENCH. A year's work, comprising the essentials of French grammar, reading, and an introduction to the spoken and written language; daily use of French in oral and written exercises. II, III, VI, 4 hours.
211. **NARRATIVE DISCOURSE.** Stories and descriptive articles by modern authors are used and form the basis of daily practice in the use of the foreign tongue; review of French grammar, especially of verbs, and systematic drill in writing French. Prerequisites, courses 111-112, or 2 years of French in secondary school.

212. **NOVEL AND DRAMA.** Continuation of course 211. Modern works are read, accompanied by a deeper study of idioms and style; a drama is read at the last of the course; outside readings; writing and speaking French. Prerequisite, course 211.

221. **MODERN FRENCH AUTHORS.** More advanced than course 211 and aiming to complete in one semester the requirements of the second year in modern languages for graduation; includes a survey of grammar and the reading of 500-600 pages from standard authors, with comments and interpretations in French. Prerequisites: 3 years of French in High School or special proficiency in French, demonstrated to the instructor.

222. **EIGHTEENTH CENTURY.** A course dealing with French literature, including narration and drama, of the eighteenth century: Voltaire, Rousseau, Beaumarchais and leading authors are considered; dictation and other written work. This is a continuation of course 221 for such students as wish an elective in French parallel to course 311.

311. **MODERN LITERATURE.** Intensive and extensive reading of typical modern works, with attention to linguistic and literary qualities; dictations, reviews, and themes in the foreign tongue. Prerequisites, courses 211-212 or course 221.

312. **MODERN DRAMA.** Outstanding dramas of the last hundred years, as types of the literary forms and tendencies; versification and dramatic technique; outside readings, with reports. Prerequisite, course 311 or 222.

411. **THE CLASSIC DRAMA.** Characteristic plays of Corneille, Racine and Molière, in the settings of French society in the XVII century; principles of classicism; outside readings and reports. Prerequisite, course 312.

412. **SURVEY OF FRENCH LITERATURE.** Review of periods and writers from the Middle Ages to the present, by lectures and readings; an outline of French literature, with selections for reading; reports, reviews, and a semester theme. Prerequisites, courses 311-312 or 222 and 312.
414. French Romanticism. A study of the Romantic movement in France, with special reference to the poetry of Hugo, Lamartine and de Musset; lectures and readings; reports and reviews by students. Prerequisite, course 411. Offered in 1933-34. I, 3 hours. Mr. Odebrecht.


ITALIAN

311-312. Basic Course in grammar and reading; Russo, Italian Grammar, Wilkins and Altrocchi, Italian Short Stories; I Promessi Sposi and plays of Goldoni. Prerequisites. French 111-112, or Spanish 111-112. IV, 4 hours. Mr. Odebrecht.

SPANISH

111-112. Elementary Spanish. Essentials of grammar, emphasizing functional value; minimum of translation, beginning to read for comprehension; daily practice in Spanish conversation. Readings in English from books on travel and history. IV, VI, 4 hours.

211. Intermediate Spanish. Review of grammar, oral and written practice; study of short stories and one or more novels from recent authors; outside readings and reports on short stories or newspapers. Prerequisite, courses 111-112 or two years of High School Spanish. I, III, 4 hours.

212. Modern Authors. Progressive development of oral and reading ability by the study of such works as Julio Camba's La rana Viajera and Gorostiza's Contigo pan y cebolla; introduction to the study of Spanish literature. Prerequisite, course 211 or equivalent. I, III, 4 hours.

315. The Novel in Spanish Literature. Development of the novel in Spain; readings and reports; supplementary lectures and discussions in Spanish. Prerequisites, courses 211-212 or equivalent. Alternates with course 321 and is offered in 1933-34. II, 3 hours. Mr. Amner.

316. The Drama. Lectures on development of the drama in Spain, with reading from the later writers; reports, oral and written, on additional readings; literary criticisms. Prerequisite, course 315. Alternates with course 322. Offered in 1933-34. II, 3 hours. Mr. Amner.
321. **Survey of Spanish Literature.** Emphasis on poetry and works not included in courses 315 and 316. Alternates with course 315. Prerequisite, courses 211-212 or equivalent. Not offered in 1933-34.

II, 3 hours. Mr. Amner.

322. **Advanced Composition, Phonetics.** Systematic study of Spanish grammar. Introduction to study of Phonetics. Alternates with course 316. Prerequisite, same as course 321. Not offered in 1933-34.

II, 3 hours. Mr. Wiley.

414. **The Golden Age of Spanish Literature.** The works of Cervantes, Lope de Vega, and Calderón; lectures on the classic period; outside readings and reports. Prerequisite, course 315 or 321, or the consent of the instructor. May not be offered in 1933-34. VI, 3 hours. Mr. Wiley.

416. **Spanish-American Literature.** Brief survey, with special attention to the later writers. Readings from Ricardo Palma, Blanco-Fombona, Hugo Wast, Rodó, José Hernández, Rubén Darío, Florencio Sánchez, with lectures and supplementary readings. Alternates with course 414, with same prerequisite, and is not offered in 1933-34.

VI, or arranged, 3 hours. Mr. Amner.

**MUSIC**

Mr. Eschman, Mr. Stark, Mr. Schirmer, Miss McNeill

Music may be offered as a major under the A.B. degree to a total of 44 hours (including 4 hours in Ensemble Music.)

Students majoring in Music will find suggested outlines for further specialization, leading in some cases to the Bachelor of Music degree, in the Conservatory Bulletin.

Courses in this department are open to all students of the University. For students taking a principal sequence in Music, it is recommended that courses 101-102 and 111-112 be taken in the freshman, 221-222 in the sophomore, 331-332 in the junior, and 441-442 in the senior year. Courses 201, 202, 311 and 312 may be taken in any year.

101-102. **Appreciation of Music.** Primarily for college students. A course in the development of musical appreciation, without prerequisites. Students paying regular college tuition may elect the course without extra charge. For others the fee is $8.00 per semester. VII, 2 hours. Mr. Eschman.
103-104. CHORUS, ORCHESTRA, BAND, OR ENSEMBLE TRAINING, hours to be arranged. Three hours are required for one hour of college credit each semester. One of these hours must be in Chorus, Orchestra or Band; the other hours are elective ensemble music. No special fee for this course.

Mr. Eschman, Mr. Gelfer and others.

111-112. ELEMENTARY HARMONY. Fee, $8 each semester to Conservatory students. Students paying full college tuition may elect these courses without extra charge. IV, 2 hours. Mr. Eschman and assistants.

113-114. SOLFEGGIO. A course in ear training and musical dictation. Fee, $16 each semester. 4 days, VI, 2 hours. Mr. Schirmer.

201. HISTORY OF MUSIC TO THE EIGHTEENTH CENTURY. Fee, $12. Alternates with course 311. Offered in 1933-34. VI, 3 hours. Mr. Eschman.

202. HISTORY OF MUSIC FROM THE EIGHTEENTH CENTURY TO THE PRESENT TIME. A continuation of course 201, but may be elected separately. Fee, $12. Alternates with course 312. Offered in 1933-34. VI, 3 hours. Mr. Eschman.

203-204. SECOND YEAR OF CHORUS, ORCHESTRA, BAND, OR ENSEMBLE TRAINING. Mr. Eschman, Mr. Gelfer and others.

213-214. SOLFEGGIO. Second year. Fee, $16 each semester. 4 days, VII, 2 hours. Mr. Schirmer.

221-222. ADVANCED HARMONY. Fee, $12 each semester. I, IV, 3 hours. Mr. Eschman.

301. TERMINOLOGY AND CONDUCTING. Fee, $8. IV, 2 hours. Miss McNeil.

302. ORCHESTRATION. Fee, $8. IV, 2 hours. Miss McNeil.

311-312. MUSICAL FORM. Fee, $8 each semester. Alternates with 201-202. Offered in 1933-34. III, 2 hours. Mr. Eschman.

313-314. PUBLIC SCHOOL MUSIC METHODS. Fee, $12.00 each semester. II, 3 hours. Miss McNeil.

331-332. COUNTERPOINT. Fee, $12 each semester. III, 3 hours. Mr. Eschman.

415-416. PRACTICE TEACHING. See Education 415-416. Hours to be arranged.

441-442. STRICT COMPOSITION. Fee, $8 each semester. II, 2 hours. Mr. Eschman.

451-452. FREE COMPOSITION. Fee, $8 each semester. I, 2 hours. Mr. Eschman.
Credit in Applied Music to a total of eight semester hours may be secured toward the A.B. degree, provided the student is ready to study music of an advanced grade. One credit is given for one lesson a week and one hour practice a day. Two credits are given for two lessons a week and two hours practice daily. The former will be given the name of the subject: Piano, etc., and the numbers 111-112, 211-212, 311-312, 411-412 depending upon the year of study. The two hour credit courses will be numbered: 121, 122, 221, 222, etc. No student is permitted to register for these courses before establishing to the satisfaction of the Conservatory faculty a record of his ability to pursue study at least third grade work.

PHILOSOPHY

Mr. Titus

A major in philosophy requires twenty-one semester hours and three hours in Psychology or three hours in Sociology.

222. REFLECTIVE THINKING. A study is made of the principles and problems of clear and accurate thinking. Special attention is given to deductive and inductive logic, and to scientific method. Offered first semester only. Open to sophomores, juniors and seniors. III, IV, 3 hours.

224. PROBLEMS OF PHILOSOPHY. An introductory survey of the field of philosophy, including an examination of the relation between science and philosophy and a topical study of some present-day problems in the light of modern knowledge. Open to sophomores, juniors and seniors. III, IV, 3 hours.

321. PROBLEMS OF CONDUCT. A study of the origin, development and nature of morality including a survey of some of the great ethical systems. Special emphasis will be given to present-day problems of personal and social morality. Open to juniors and seniors. II, 3 hours.

326. MODERN SOCIAL PHILOSOPHIES. A study of the social philosophy underlying the present social order and an examination of the criticisms of present-day society by the socialists, communists, anarchists, fascists and others. Accepted toward a major in Sociology. Open to juniors and seniors. Fee, $1.00 for materials and books. II, 3 hours.

331. HISTORY OF PHILOSOPHY—ANCIENT AND MEDIEVAL. A study of the development of philosophy among the Greeks and during the early Christian and Medieval periods. Careful attention is given to the development of world views, conceptions of reality, and interpretations of man and his place in the universe. Open to juniors and seniors. Given in 1931-32 and alternate years. I, 3 hours.
332. HISTORY OF PHILOSOPHY—MODERN. A study of the forces leading to the break-up of the Medieval world-view and the development of modern philosophy. The great philosophers are studied and a survey made of such movements as Idealism, Realism, Pragmatism, Humanistic Naturalism, etc. Open to juniors and seniors, preferably after 331. Given in 1931-32 and alternate years. I, 3 hours.

431. CONTEMPORARY THOUGHT. An advanced course to consider some of the main trends of modern thought, and to study a few of the great modern systems of philosophy. Reports and discussion in one two-hour period, preferably Wednesday, VI-VII, and conference periods. Admission by consent of instructor. Given in 1932-33 and alternate years. 3 hours.

432. PHILOSOPHY OF RELIGION. A study of the origin, development and nature of religion, the relation of religion to science and to philosophy, and a consideration of some of the main problems of religion. The religious implications of the various systems of philosophy will be considered. Admission by consent of instructor. Wednesday VI-VII and conference periods. Given in 1932-33 and alternate years. 3 hours.

PHYSICAL EDUCATION

FOR MEN

Mr. Livingston, Mr. Jenkins, Mr. Rogers, Mr. Rich

Credit amounting to 4 hours in this department is a prerequisite of graduation. This is met by the required courses of the freshman and sophomore years. A major sequence (40 hours) includes Zoology 201.

Students completing all the courses are qualified for positions as supervisors and special teachers of health and physical education in high schools, providing they have the necessary credits in Education. Students preparing for such work are encouraged to include in their courses 8 hours of biological and physical science and 8 hours of social science. The minimum requirements in Education are stipulated by the state department of education for all high school teachers.
Students completing a minor in this department, (16 hours as prescribed below) are qualified to become part-time supervisors and teachers of health and physical education in public schools, providing they have the required credits in Education.

A minor includes courses 221, 222, 224, (6 hours), 311-312, (6 hours) and 344, (4 hours).

**Required Courses**

111. **For Freshmen.** The work is based on a thorough physical examination and strength tests given at the beginning of the entering semester for the purpose of classifying the student. Courses in Corrective Gymnastics, Beginning Swimming, Individual Athletics, Tumbling Stunts, and Sports are open to freshmen only. A final examination is given in each course. Those who fail must repeat the course or elect another in its place. Students cannot receive duplicate credit in any course. Students assigned to Corrective Gymnastics may take this course for one, two, three or four semesters.

1 Credit 3 hours. Hours to be arranged.

112. **For Freshmen.** Continuation of 111.

1 Credit, 3 hours. Hours to be arranged.

201. **For Sophomores.** Hygiene. Both semesters. First semester at IV; second semester M. and W. at I. 2 hours.

211. **For Sophomores.** Courses changed to Corrective Gymnastics, Boxing, Wrestling, Sports and Apparatus Stunts.

1 Credit, 3 hours. Hours to be arranged.

212. **For Sophomores.** Continuation of Course 211.

1 Credit, 3 hours. Hours to be arranged.

**Elective Courses**

221. **Theory and Practice of Physical Education.** I. Methods of coaching football and baseball, and methods of officiating. Two lectures and two laboratory periods per week. Prerequisites, courses 111-112.

III, 2 hours. Mr. Rich.

222. **Theory and Practice of Physical Education.** I. Methods of coaching basketball and track. Two lectures and two laboratory periods per week. Prerequisites, courses 111, 112.

III, 2 hours. Mr. Rogers.
223. **Theory and Practice of Physical Education. I.** Methods of coaching speedball, soccer, tennis, wrestling and boxing. Two lectures and two laboratory periods per week. III, 2 hours. Mr. Rogers.

235-236. **Principles, Organization and Administration of Physical Education.** Methods in various types of institutions and study of motor efficiency tests. II, 2 hours. Mr. Jenkins.

311-312. **Theory and Practice of Physical Education. II.** Methods of directing other activities than athletics, such as: games, stunts, gymnastics, apparatus, tumbling, athletic dancing. Prerequisites, Psychology 211, 321. Two lectures and two laboratory periods per week.

315-316. **Theory and Practice of Physical Education. III.** Function and organization of play and playground; lectures on the meaning of play, characteristics of different age groups; classification and organization of play activities suitable for each age period; games of low organization for school playground. Two lectures and two laboratory periods per week. Prerequisites, courses 111-112. I, 3 hours. Mr. Jenkins.

343. **Personal and General Hygiene.** Lectures, discussions, and readings dealing with the field of personal and public health. Prerequisites, Physical Education 111-112. VI, 4 hours. Mr. Livingston.

344. **The Teaching of Health and School Health Problems.** A course to prepare teachers of health and physical education to take an active part in the promotion of health instruction and health service in public schools. Prerequisites, Zoology 201; Psychology, 6 hours. Education, 6 hours. VI, 4 hours. Mr. Livingston.

441. **Applied Anatomy and Kinesiology.** A study of the principal types of muscular exercise, with inquiry as to how they are performed, how they react on the body and their relation to the problems of bodily development, bodily efficiency, and the prevention and cure of certain defects and deformities. Two lectures and two laboratory periods per week. Prerequisites, Zoology 201. II, 3 hours. Mr. Livingston.

442. **Normal Diagnosis and Individual Corrective Gymnastics.** Study of the cause of postural defects and their treatment by exercise and other means, together with the methods of administering the work of correction. Two lectures and two laboratory periods per week. Prerequisites, Zoology 201, Physical Education 441. II, 3 hours. Mr. Livingston.
Physical education is required of all freshmen and sophomores three periods per week, each course earning one credit hour per semester. A uniform gymnasium suit is required and should be purchased in the fall in Granville: cost about $6. All students taking required work in physical education must pay a laboratory fee of $2 at the beginning of each school year.

A complete physical and medical examination is given to each freshman student at the opening of each college year by the University Health Service and this department. Students are classified on an organic scale and are permitted to engage only in sports and games for which they are physically fitted.

All applications for deferment of and exemption from physical education must be made to the head of the department. Students who are physically unfit for any type of recreation whatsoever, as certified by the University Physician; students from institutions of college or university rank who have taken accredited courses in physical education; and students over twenty-five years of age entering college will be exempt from physical education.

Interclass and other intramural contests and tournaments are conducted in all games and sports under the supervision and control of this department and the Women's Athletic Association. The University is a member of the Athletic Conference of American College Women.

**Required Courses**

111-112. For Freshmen. Three hours of work which may be elected from the following organized sports and activities. Fall work: archery, tennis, hockey, hiking, and golf. Winter work: basketball, volleyball, swimming, creative dancing, folk and clog dancing, games, apparatus, tumbling, and winter sports. Spring work: archery, tennis, golf, baseball, track and field athletics.

1 credit per semester, 3 hours.
211-212. For Sophomores. Advanced work in all activities as listed in courses 111-112. 1 credit per semester, 3 hours.

201. (Both semesters). Hygiene. Required of all sophomores for graduation. First semester, II and III; second semester IV. 2 hours.

Elective Courses

The advanced courses are offered for the benefit of those students who desire to become teachers of physical education, or to combine such activity with the teaching of academic subjects. They are also arranged to meet the needs of those who desire familiarity with the problems of physical education as a part of their equipment as principals of public schools, directors of social centers, Girl Scout and camp leaders, and work in other "leisure time" organizations.

To qualify as full-time teachers of physical education in high schools, students must complete the following courses for 40 hours of credit, including certain science requirements stated below as prerequisites. A minor in this department requires 18 hours of credit including courses 213-214, 321-322 or 323-324, 325-326 and 415-416.


214. The Organization of Play. The practical application of play. The modern community recreation movement with special emphasis on the study of the playground and its activities. A thorough consideration of games for children of all age groups. Practice teaching in games. Prerequisites, 111-112. 2 hours.

321. Sport's Technique. A course in the rules, technique, and strategy of archery, baseball, basketball, golf, field and track, field hockey, soccer, swimming, tennis, and volleyball. Practice teaching in games. Laboratory, Wednesday at 3:00. II, 3 hours.

322. Sport's Technique. A continuation of course 321. Laboratory Wednesday at 3:00. II, 2 hours.
323. **ELEMENTARY RHYTHMICS.** A course in the analysis of rhythmic form and its relation to the dance. Dramatic and singing games suitable for use in the primary grades, and folk dances suitable for use in the upper grades. Short talks and discussion on the value of rhythmic activities and folk dancing as educational forces, and methods of presenting rhythmic material. Monday and Wednesday, 2:00, and Monday 3:00. Prerequisites, courses 111-112, 211-212. VI, 3 hours.

324. **THE PHILOSOPHY OF THE DANCE.** Lectures, discussions, and readings dealing with the dance and its relation to the other fine arts. The organization of pageants and dramas. The adaptation of this type of work to secondary schools and colleges. Prerequisites, 111-112, 211-212. VI, 2 hours.

325. **THEORY AND PRACTICE OF TEACHING IN PHYSICAL EDUCATION.** (Education.) A study of the educational principles underlying the teaching of physical education. A review of the physical and mental growth of the school age child. A study of the organization of activities and teaching methods adapted to various age groups and grades. Prerequisites, 111-112, 211-212, Education 211-212, Psychology 211, and 321. Tuesday and Thursday at VI, 2 hours.

326. **THEORY AND PRACTICE OF TEACHING IN PHYSICAL EDUCATION.** (Education.) The terminology of the teaching of gymnastics; a study of gymnastic movements and a discussion of the various systems of gymnastics. Practice teaching within the class. Prerequisites, 325. Tuesday and Thursday at VI, 2 hours.

328. **KINESIOLOGY.** A study of bodily movement. Possibilities for movement in the various joints and the action of muscle groups in producing the movements ordinarily used in physical education activities. Prerequisites, Zoology 111-112. Recommended Chemistry 111-112. Tuesday and Thursday at VII, 2 hours.


414. **Principles, Organization, and Administration of Physical Education.** The place of physical education within the field of general education; its relation to the science of education and the philosophy of living. A consideration of the problems of organization and administration of physical education in elementary and secondary schools and colleges. Prerequisite, Senior standing in physical education. 111, 4 hours.

415. **School Health Problems.** A study of health education; its needs and its place in the curriculum. A consideration of the administrative problems of a school health service. Prerequisite 201. 415.

416. **The Teaching of Health Education.** (Education.) Methods of handling the teaching problems of health instruction. Health education programs and materials. Prerequisites, 415. 416.

417. **The Relation of Exercise to Health.** Lectures, discussions, and experiments, treating of the contribution of the physical education movement to an appreciation of the principles of healthy and efficient living. Wednesday at 111, 1 hour.

**SUGGESTED PROGRAM FOR MAJORS IN PHYSICAL EDUCATION**

**FRESHMAN YEAR**

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<td>English</td>
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<td>Foreign Language</td>
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**SOPHOMORE YEAR**

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<td>Psychology</td>
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<td>Nature and Function of Play</td>
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<td>Physical Education</td>
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### Junior Year

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<td>School Management</td>
<td>Principles of Education</td>
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<td>Hygiene</td>
<td>Philosophy of the Dance</td>
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<td>Elementary Rhythmics</td>
<td>Sport’s Technique</td>
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<td>Sport's Technique</td>
<td>Methods of Teaching</td>
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<td>Methods of Teaching</td>
<td>Kinesiology</td>
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<td>Electives (Sociology, History Philosophy, etc.)</td>
<td>Physiology of Activity</td>
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### Senior Year

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### Physics

**Mr. Smith, Mr. Howe**

The major sequence in Physics consists of courses 111-112, 211-212, with twelve additional hours in Physics in courses numbered higher than 300. Students preparing for graduate work should elect courses 311 and 313, and 312 and 314. Engineering students will take 431 and 432. The sequence 111-112 with 113-114 will satisfy the Physics requirements for medical and dental students.

**111. General Physics.** Lecture demonstrations and recitations covering the more important principles of mechanics and heat. Prerequisite, one year of high school physics. Trigonometry should accompany or precede this course.

I, VI, 3 hours.
112. **General Physics.** A continuation of course 111; electricity, magnetism, light wave, motion and sound. Prerequisites, course 111 and Trigonometry. 

113-114. **General Physics.** Laboratory courses paralleling the work of courses 111-112. Elective for students who are registered in course 111-112 and desire a less extensive laboratory training than is offered in course 211-212. Fee, $2.00. I-II, III-IV, VI-VII, 2 hours.

211. **Laboratory Physics.** The essentials of mechanics, molecular physics and heat. Prerequisites, course 111-112 and Freshman Mathematics. Fee, $3.00. III-IV, 3 hours or VI-VII, 3 hours.

212. **Laboratory Physics.** The more fundamental experiments in sound, light, magnetism and electricity. Prerequisites, course 111-112 and Freshman Mathematics. Fee, $3.00. III-IV, 3 hours or VI-VII, 3 hours.

311. **Electrical Measurements.** A laboratory course in electrical measurements. Prerequisites, course 111-112 and the calculus. Fee, $3.00. VI-VII, 3 hours.

312. **Light.** A laboratory course in light, consisting of measurements in diffraction and interference. Prerequisites, course 111-112 and the calculus. Fee, $3.00. VI-VII, 3 hours.

313. **Magnetism and Electricity.** This course is an introduction to the subject of magnetism and electricity, and is intended to be a foundation for any work in this field. The laboratory course, Physics 311, should be taken with this course. Prerequisites, course 111-112 and the calculus. Given in alternate years. Offered in 1933-34.

314. **Theory of Light.** This course is an introduction to the study of geometrical and physical optics. Physics 312 is the corresponding laboratory course. Prerequisites, course 111-112 and the calculus. This course will be given in alternate years. Offered in 1933-34.

333. **Kinetic Theory.** A lecture course presenting the kinetic theory and elementary thermodynamics. Prerequisites, course 111-112 and the calculus. This course will be given in alternate years. Not offered in 1933-34.

334. **Electron Theory.** A lecture course on the electron theory presenting the current ideas regarding the structure of the atom. Prerequisites, course 111-112 and the calculus. This course will be given in alternate years. Not offered in 1933-34.

344. **Radio, Telegraph and Telephone.** Laboratory work and lectures treating the fundamental principles underlying modern wireless tele-
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graph and telephone circuits. Prerequisites, course 111-112. Fee, $3.00.
II, 3 hours.

431-432. ELEMENTS OF ELECTRICAL ENGINEERING. A lecture and laboratory course presenting the general theory of direct and alternating current circuits and their application to direct and alternating current machinery. Prerequisites, course 111-112 and the calculus. Fee, $3.00.
III, 2 hours, with one 4-hour laboratory period, 4 hours credit.

441-442. ADVANCED LABORATORY AND SPECIAL PROBLEMS. Adequately prepared students may, with the advice and the approval of the department, register for this course which will consist of advanced work in the laboratory or some special problem. In each case the interest of the student will be respected. This course will be limited to seniors who are majors in the department and who have satisfied the department that their graduation requirements will be fulfilled. Hours for work and for conference will be arranged in each case. The student may register for two or three hours of this work.

POLITICAL SCIENCE

MR. WEST, MR. LORY

211. AMERICAN GOVERNMENT. An introductory study of the organization and operation of the government of the United States. This course will be required of all who major in political science and is a prerequisite for the other courses in the department.
IV, 3 hours.

212. EUROPEAN GOVERNMENTS. A comparative study of the governments in the principal European States, with special attention to the organization and functions of governmental agencies of Great Britain, France, Germany, Italy, Switzerland and Russia.
IV, 3 hours.

240. GOVERNMENTS AND POLITICS OF THE FAR EAST. A study of the governmental organizations and functions of China, Japan and important colonial possessions on the Pacific. Far Eastern problems of international significance will also be considered.
VI, 3 hours.

315. MUNICIPAL GOVERNMENT. A study of the political organization and chief functions of cities, the relation of the city to the state, forms of charters, home rule, new forms of city government and the administration of finance, police and other activities. Not offered in 1933-34. III, 3 hours.

316. AMERICAN STATE GOVERNMENT. State constitutions, the organization and functions of the executive, legislative and judicial branches are
studied together with the important problems connected with state government. Not offered in 1933-34. III, 3 hours.

317. POLITICAL PARTIES. A review of the development, composition, machinery and methods of American political parties. Prerequisite, course 211. III, 3 hours.

319. INTERNATIONAL RELATIONS. A survey of recent European diplomacy, the development and organization of the agencies of international government and the principal problems of contemporary international politics. Prerequisite, course 211. Offered in 1933-34. III, 3 hours.

322. HISTORY OF POLITICAL THEORY. The development of political thought from the time of Plato and Aristotle to the present time is considered, with special attention to certain great ideas and certain important periods. Prerequisite, course 211. Offered in 1933-34. III, 3 hours.

425. CONSTITUTIONAL LAW. A study of the law of the American constitution; the origin and nature of the constitution; the relationship between federal and state governments; citizenship; impairment of contracts; due process of law; class legislation; police power; and interstate commerce. Prerequisite, course 211. II, 5 hours.

426. INTERNATIONAL LAW. A comprehensive view of the general body of rules observed by states in their interstate relations both in peace and in war. A textbook and important illustrative cases will be studied. Prerequisite, course 211. II, 5 hours.

PSYCHOLOGY

MR. LEWIS, MISS RICE

A major in Psychology will include the courses registered in the department (with the exception of 321, which may be omitted upon advice of head of department) and a sufficient number of additional semester hours to bring the number up to twenty-four: these supplementing hours to be selected from the following courses: Zoology 201, Sociology 319, Philosophy 224, 321 or 331-332.

211. GENERAL PSYCHOLOGY. An introductory consideration of mental activity in its various aspects, the conditions that account for its appearance and growth, and the ends that it serves as sensory discrimination, thinking, habit, etc. Repeated the second semester at II, VII. II, IV, VII, 3 hours.
215. Experimental Psychology. A fundamental grounding in laboratory technique and means of investigating the phenomena of human behavior. Prerequisite, course 211 and consent of instructor. Laboratory, Mon. and Wed., VI-VII, Wed. and Fri., III-IV. 2 hours.

211-215. Combined Course for major students. Recitation M. T., Th., III. Laboratory as above. 5 hours.

317. Developmental Psychology. A consideration of mental growth and decline, emphasizing the significance of the first years of rapid change. Prerequisite, course 215 or 5 hours of Psychology. Both semesters. VI, 3 hours.

321. Psychology of Education. An introduction to the fundamentals of educational theory and practice in the light of psychological study and investigation. Prerequisite 211 or 215. Repeated the second semester at I, VI. VI, 3 hours.

332. Advanced Experimental Psychology. Continued laboratory training, especially in problems of individual differences and of learning. Usually accompanies course 342. Prerequisite, course 211-215 or 5 hours of psychology. Laboratory periods as in course 215. 2 hours.


411. Affective Behavior. A study of feeling and emotion; the nature, productive stimulus, and adjustment value of each. Prerequisite, 5 hours of psychology. VII, 3 hours.

412. Recent Tendencies in Psychology. A survey of "Behaviorism", of Gestalt psychology, and of the more conservative changes recommended by the old-school psychologists; and an attempt to find out some of the consequences that are apt to follow from the psychological pioneering now in progress on many fronts. Prerequisite, 5 hours of psychology. VII, 3 hours.

RELIGION

Mr. Stewart

The two-fold aim of the instruction in this department is general religious culture and preparation for efficient Christian service.
The courses may lead, after further study, to: the ministry, the mission field, church director of religious education, supervisor of week-day church schools, Y. M. C. A. and Y. W. C. A. work, teacher in school or college, specialized forms of service—editorial, secretarial, promotional. The courses also make preparation for the following, though further study is advisable: teacher in week-day church school, pastor's assistant.

111. Old Testament. The historical background, the development of religious thought, the work and place of the leading characters, the setting of the various books. IV, VI, 3 hours.

112. Life and Teachings of Jesus. This course forms a unit with course 111. A study particularly of the synoptic Gospels for the facts of Jesus' life and the social bearings of his teaching and example. IV, VI, 3 hours.

115. Principles of Religious Education. The principles, problems and programs of religious education as carried on by the local church and community. III, 3 hours.

116. The Modern Church School. A study of the organization, administration, and aims of the Church School, in its Sunday, week-day and vacation sessions, and its relation to the educational program of the church. III, 3 hours.

211. Old Testament Prophets. A more thorough study of the life and work of the great prophets: the social and political situation in which they lived, the reforms they sought to accomplish, and the permanent contribution they made to religious life and thought. Prerequisite, course 111. Not offered in 1933-34. 3 hours.

212. The Early Church. This course begins with the account in Acts, lays emphasis on the life and work of Paul, and carries the study to the end of the Apostolic Age. Prerequisite, course 112. Not offered in 1933-34. 3 hours.

213. Geography of Bible Lands. A study of the relation of the topography of Bible lands to the social, religious and political life of the Hebrews and the early Christians. Not offered in 1933-34. 3 hours.

216. Problems of Religion. A course that seeks to discover the meaning of religion and its place in human life, in particular to aid in the solution of those religious problems confronted by undergraduate thought. Prerequisites, courses 111-112. Not offered in 1933-34. 3 hours.

302. *Missions.* History and development of Christian missions. Geographical, racial, religious influences upon the various peoples. The problems and opportunities in the mission fields. The meaning of the present situation. VII, 3 hours.


319. *Psychology of Religious Development.* The religious and moral capacities of childhood and early adolescence, the course of their development, and the agencies available for the cultivation of a wholesome religious life. It is desirable that students first take Psychology 211. Prerequisites, courses 111, 112, 115. Not offered in 1933-34. 3 hours.

321. *Worship and Hymnology.* The nature and function of worship; principles of program making for church services, church schools, young people’s meetings, etc. The history of the great Christian hymns and principles of their evaluation. VII, 3 hours.

**SOCIOLOGY**

**Mr. Detweiler**

A major sequence in this department must include Economics 211-212 and eighteen or more semester hours in Sociology, of which courses 211, 212, and 319 are required. In addition to the major, the student should take a year of Political Science, a year of American History, and at least one course each in Psychology and Philosophy. Philosophy 326 will be counted in the major.

211. *Social Problems.* Facts about American society showing the need of sociological study. Such problems as defectiveness, poverty and
crime are approached in the attempt to gain a social and scientific point of view. Open to sophomores and juniors. VI, VII, 3 hours.

212. THE FAMILY. The history of the family is treated in detail, ending with a view of present-day family problems. Prerequisite, course 211. VI, VII, 3 hours.

309. SOCIAL ANTHROPOLOGY. Primitive peoples, races of mankind, and the origin and history of culture ("civilization"). The course may be called cultural anthropology. II, 4 hours.

312. RACE PROBLEMS IN THE UNITED STATES. A detailed study of race problems in America, including immigration. Prerequisite, 3 hours of Sociology. II, 4 hours.

319. SOCIAL PSYCHOLOGY. The elements of general psychology are presupposed, and a study is made of the processes of group behavior. Prerequisites, Psychology 211, and 3 hours of Sociology. I, 4 hours.

412. SOCIAL WORK. A course preliminary to later vocational training looking toward family case work in its modern phases. Prerequisites, courses 211-212, and Economics 211-212. I, 4 hours.

SPEECH

MR. CROCKER, MR. WOELLHAF

A major in the department of Speech consists of 24 semester hours, elective.

111-112. ELEMENTS OF SPEECH. An introduction to the fields of speech activity: interpretation, debating, public speaking, acting. Voice, gesture, platform bearing, platform manners, diction, and other important problems of the one who appears before an audience are considered. Extensive practice and criticism. Students will be expected to give fifteen minutes a week for personal conferences. Lectures, text, outside reading, and notebook. Three section. I, II, VI, 3 hours. Mr. Crocker.


215-216. DRAMATIC PRODUCTION. The following points will be taken up: theory and practice of stage design; scenery construction; and general production management. Lectures will be given on these subjects. Reading covering these fields will be required. Each student will be requested
to do practical laboratory work on each of the major productions.

VI, 3 hours. Mr. Woellhaf.

218. **Speech Composition.** Composition of manuscripts; rhetorical questions that arise will be considered carefully; analysis of speeches of the masters of public address.

Mon., VI-VII, 2 hours. Mr. Crocker.

219. **Intercollegiate Debating.** The questions to be used in the intercollegiate debates will be studied and members of the teams will be chosen from this class. Lectures, briefs of public questions, research, and much practice before the group. Open to all students who wish to debate, both men and women. A total of six hours in debating may be counted toward graduation.

Mon., VI-VII, 2 hours. Mr. Crocker.

221. **Business and Professional Speaking.** Delivery of carefully prepared speeches appropriate to business and professional life. Types of business speaking and the personal interview are considered. Lectures, papers, readings, and personal conference with the instructor.

IV, 3 hours. Mr. Crocker.

311. **The Teaching of Speech.** History of rhetorical thought, psychology of language, phonetics, the text, collateral reading, the shaping of speech curriculum, the leading of the class hour. Not given for credit in Education. Alternate course, offered in 1933-34.

Time to be arranged. 2 hours. Mr. Crocker.

312. **Rhetorical Theory.** Historical and critical survey of the principal theories in regard to speech composition and delivery, from Aristotle to the present time with special emphasis on the classical period. Collateral reading, reports, lectures, papers. Alternate course not offered in 1933-34.

Time to be arranged. 2 hours. Mr. Crocker.

315-316. **Play Direction.** The planning, rehearsing, and laboratory production of one full length play will constitute a part of the required work. Extensive reading of plays suitable for production will be required. Prerequisite, 215-216, and consent of the instructor.

VI, 2 hours. Mr. Woellhaf.

318-319. **Theatre Arts.** Lectures on the history of the theatre, old and modern stage decoration, acting and actors, costuming, etc. Outside reading confined to biographies of actors, history of the theatre, current theatrical magazines.

II, 2 hours. Mr. Woellhaf.
Courses 111-112 of the department of Botany may be substituted for Zoology 111-112 as preparation for advanced courses, if necessary for the completion of major or pre-professional requirements. Course 111-112 meets the entrance requirements of medical colleges as a minimum; 211-212 is recommended by all medical colleges in addition, and 224 is recommended by all and required by a few. Majors in this department should be arranged with the professor in charge; a major must include 111-112 or an acceptable equivalent and either 211-212 or 223 and 224. Credit in Zoology is allowed for Physical Education 201.

111-112. GENERAL ZOOLOGY. An introductory course including text assignments, lectures and laboratory work. The biological aspects of the science are considered, including the properties of living matter, the cell, heredity and topics of like nature. In addition a general survey of the animal kingdom based on classification and morphology is pursued in class and in the laboratory. Fee, $1.25 per hour of credit. Lectures, Mon., Wed., 1; T., Th., VI. Laboratory, any two of the assigned two-hour periods, Tues., Thurs., I-II; Mon., Wed., VI-VII. 4 hours. Mr. Lindsey, Mr. Morgan

201. PHYSIOLOGY. A study of the normal functions of the human body. Text, lectures and demonstrations. No prerequisites.
1, 3 hours. Mr. Morgan.

211-212. VERTEBRATE ZOOLOGY AND COMPARATIVE ANATOMY. A study of the definite structures, ancestry, ecology, and briefly of the classification of the vertebrates. A little more than one semester is devoted to the comparative anatomy of these animals. Laboratory work consists of detailed dissections and comparative studies of the dog-fish, an amphibian, a reptile and a mammal, with other subjects at the discretion of the instructor. Fee, $1.25 per hour of credit. Prerequisites, course 111-112. Lectures, Tues., Thurs., III; laboratory, Wed., Fri., III-IV. 4 hours. Mr. Morgan.

223. HISTOLOGY. A study of the minute structure of vertebrates, chiefly mammals. Laboratory will include both the preparation and study of tissues. Prerequisite, courses 111-112. Fee, $1.25 per hour of credit. Two classes per week and three laboratory periods of two hours each, or three classes and two laboratories, at the discretion of the instructor.
Mon., Wed., II; Tues., Thurs., Fri., I-II. 5 hours. Mr. Lindsey.
224. *EMBRYOLOGY.* A study of the formation of the germ cells, cleavage, the germ layers, and the development of adult structures in the vertebrates. Laboratory work includes the study of cell behaviour and of the developing frog, chick and pig. This course should follow 223 but may be taken separately if needed for medical entrance. Prerequisites, courses 111-112. Periods as in course 223. Fee, $1.25 per hour of credit. 5 hours. Mr. Lindsey.

225-226. *EVOLUTION AND GENETICS.* A study of the relationship of living things and its scientific explanation. The factors operative in living organisms, the way in which they interact, and the mechanism of their perpetuation or modification through successive generations constitute the chief theme of the course. Credit is not allowed for the first semester alone but the second semester may be taken alone by special arrangement. Prerequisites, courses 111-112.

III, 2 hours. Mr. Lindsey.

227-228. *ENTOMOLOGY.* The morphology, classification and economic importance of insects, with methods of control. A brief introductory course. Laboratory work includes a survey of insect morphology and enough work in the identification of insects to enable the student to recognize the common families. Prerequisites, courses 111-112. Lectures, Tues., Thurs., IV; laboratory, Mon., III-IV. Fee, $1.25 per hour of credit. Offered only by special arrangement. 3 hours.
THE LIBRARY

Miss Craigie, Mrs. Grogan, Miss Davis, Miss Taylor

The University Library is housed in Doane Hall, a building presented by the late D. W. Howard Doane in 1879. To date the collection numbers approximately 73,000 volumes, to which were added during the school year 1931-32, 2574 volumes. In addition, the Library is a U. S. Government depository, housing approximately 40,000 government documents and adding about 1600 new titles annually. Periodicals both of special interest to individual departments, and those of more general interest, are subscribed to, to the number of 250. Permanent files are kept in the majority of cases, and the journals are later added to the library collection as bound volumes.

The complete collection is on open shelves, accessible to students, faculty, and townspeople alike. Due to lack of shelf room in the main Library, all scientific collections including Mathematics, the Classical Language, Modern Language, and the Music collections have been placed in the departments which they serve.

The Reserve Reading Room is located in Cleveland Hall, in order to release as much seating space as possible in the Main Library.

When the University is in session, the Library is open from 8:30 A.M. until 12:30 P.M.; from 1:30 until 5:30 P.M.; and from 7:00 until 9:00 P.M.; daily except on Saturday and Sunday. On Saturday the Library closes at 5:30 P.M.

At least one member of the regular staff is on duty at all times when the Library is open, to assist students in finding needed material. In the Reading Room where required reading only is done, student assistants are in charge.
The Conservatory of Music

FACULTY

KARL H. ESCHMAN, A.M.
Fellow of the American Guild of Organists
Director and Professor of Music

Graduate of Denison Conservatory in Piano and Organ; Graduate Student, Harvard University, 1911-12, under Walter R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo Kaun and Piano under Victor Heinze, Berlin; under Erwin Stein and others, University of Vienna, 1929-30.

FANNIE JUDSON FARRAR
Assistant Professor of Music
Piano
Pupil in Piano of J. Emil Eckcr, Toledo, Ohio; Constantin Sternberg, Philadelphia; Bertrand Roth, Dresden; Tobias Matthay and Claude F. Pollard, London. Student in Vienna.

MARY RECKARD FITCH*
Voice
Pupil of D. A. Clippinger, Hannah Butler and Lemuel Kilby, Chicago; Head of Voice Department, Academy of Our Lady; Instructor in Lyceum Arts Conservatory, Chicago. Master-classes with Mme. Valeri and Herbert Witherspoon.

WILLIAM M. WELLS
Violoncello
Graduate of the Royal Conservatory, Wurzburg. Member of the Cincinnati Symphony and the Philharmonic Orchestra; for seven years, under Walter Damrosch in the New York Symphony Orchestra.
Pupil of Henry Schradieck, Theodore Spiering and Alois Trnka, in Violin and of Frederick B. Stivens and R. H. Miles in Theory.

Allan Faber Schirmer, A.B., Mus.B.*

Voice


Brayton Stark, A.A.G.O.

University Organist

Organ and Harmony

Graduate of the Guilmand Organ School; post graduate work at the Eastman School of Music; theory with T. Tertius Noble, and organ with Joseph Bonnet, organist of the Cathedral of St. Eustache, Paris. Associate of the American Guild of Organists; director of music at Christ Church, Corning, N. Y.

John H. Gill

Wind Instruments

Student of Emil Strauser, Boston, in Clarinet. Director of Columbus Commandery Band, Achbar Grotto Band and Khorsassan Band; Director of Ohio University Band.

Sue Haury

Piano

Graduate of Bethel Academy and the Peabody Conservatory; postgraduate study at the New England Conservatory and the Juilliard Foundation; Instructor at the Maryland School for the

*Absent on leave, 1932-33.

Carol M. McNeil, Mus. B., M.Sc.

Public School Music

Graduate of Illinois Wesleyan University; student at University of Illinois and American Conservatory, Chicago. Supervisor of Music, Newton, Illinois and Momence. Graduate student at Northwestern University.

Dorothy Dunn, A.B.

Graduate of Miami University, magna cum laude; pupil of Joseph Clokey, Rosa Bartschmidt, Louis Graveure, and Alexander Kisselburgh; student, the Mozarteum, Salzburg, Austria, summer 1932; on the faculty of the University of Illinois and Miami (summer session).

GENERAL INFORMATION

Entrance Requirements

The requirements for entrance to any of the regular four year courses are the same as those for the college. There are no formal entrance requirements for special students in classes and for private instruction, beyond the evidence of ability to profit by the instruction offered. The work of the year is divided into two semesters (see the University Calendar on page 5), and students may best enter the Conservatory at the beginning of a semester, although private lessons may be taken up at any time. No registrations are accepted, however, for less than the remainder of the semester.
Denison University grants college credit for work in the theoretical courses of the Conservatory, on an equal footing with other elective studies, and a course leading to the degree of Bachelor of Arts may be taken with the Theory of Music as its major subject. Thus students working for the diploma of the Conservatory may at the same time apply the theoretical part of their course toward a bachelor’s degree from the University.

REQUIREMENTS FOR GRADUATION

Bachelor of Music Degree

The Conservatory offers the degree of Bachelor of Music upon the completion of 128 semester hours as outlined on pages 14-15 of the Conservatory Bulletin which can be secured from the Director. Courses 101, 102, 111, 112, 201, 202, 221, 222, 311, 312, 331, 332, 441, and 442 in the Department of Theory are required of all graduates. In addition two years of Solfeggio (four hours each week), forty-eight semester hours of applied music and four hours of ensemble must be completed. The remaining 32 hours are in college subjects.

Bachelor of Arts with Music Major

Students may receive the A.B. degree with a major in theoretical music of not less than twenty-four and not more than forty-four semester hours in Music. The requirements are the same as those for a major in any other department of the college, as listed on pages 51-52 of this catalogue.

Public School Music Course

A special course for Supervisors of Music in Public Schools is offered, leading to the degree of Bachelor of Music. The 128 hours of this course are listed on page 18 of the Conservatory Bulletin. They are divided into the following main groups: Liberal Arts 30 hours, Education 24 hours, Theoretical Music 40,
Applied Music 24, Physical Education 4 hours, and elective 6 hours. The requirements of this course are fixed by the State Department of Education. Thorough and adequate preparation is supplemented by practice teaching in the public schools. All the work is approved by the State Department and graduates receive the State Certificates without further examination.

Diplomas and Certificates

The two degrees, Bachelor of Music and Bachelor of Arts cannot be granted in the same year to any one candidate but a student graduating from college who has majored in music and fulfilled certain other requirements as outlined in the Conservatory Bulletin, is granted a Diploma or Certificate on recommendation of the Conservatory Faculty. Each candidate for the diploma must give a public recital during the senior year. To students substituting a certain amount of work in Normal Training or public school music for the graduating recital and giving promise of aptitude for teaching, a certificate is granted instead of a diploma. Students completing satisfactorily any integral part of the work offered in the various departments of the Conservatory, involving not less than a year's study, may obtain an officially signed statement to that effect, together with a copy of the Registrar's record.

Music Library

The music branch of the University Library, consisting of over one thousand volumes of literature and music, is housed at the Conservatory, and is available on the same terms as the main library. There is also a collection of primitive musical instruments of great interest, most of which have been presented by Denison alumni.

Practice Pianos

The Conservatory is equipped with practice pianos. Hours and rooms for practice should be engaged at the time of registering, and no other use of instruments or rooms is allowed without special permission.
Recitals and Concerts

Student recitals take place frequently throughout the year, and students are expected to attend. All students are under obligation to perform at recitals when so directed by their instructor. Students are not allowed to perform in public without the knowledge and consent of the instructor.

Besides the festivals of the Choral Society and various other concerts, a number of faculty recitals are given during the year, and several artist recitals, most of which are free to Conservatory students.

Musical Organizations

(a) The Engwerson Choral Society. Mr. Eschman, Director. Membership is open to all who can read music sufficiently well. Two principal concerts are given each year, with notable artists assisting. According to the present custom, Handel’s “Messiah” is sung each year at Christmas, while Gounod’s “Faust”, Rossini's “Stabat Mater”, Mendelssohn's “Hymn of Praise”, “Elijah” and “St. Paul”, Brahms’ “Song of Fate”, Bruch’s “Fair Ellen”, Ware’s “Sir Oluf”, Debussy’s “Blessed Damozel”, Haydn’s “Creation”, Coleridge-Taylor’s “Hiawatha”, Verdi’s “Aida”, Franck’s “Beatitudes”, Bizet’s “Carmen” and Mascagni’s “Cavalleria Rusticana”, Bach’s “Passion, According to St. Matthew” are other works recently given. Rehearsals are held on Monday evenings throughout the college year.

(b) The Denison Orchestra. Mr. Eschman, Director. Membership is not limited to students in the University, but offers to anyone of sufficient ability the opportunity of playing classical and modern compositions under suitable direction. The Orchestra assists the Choral Society in presenting some of its oratorios, besides giving at least one concert independently in the spring. Regular rehearsals are held on Tuesday evenings throughout the college year. Membership is free to those admitted.

(c) The Denison Glee Club. This is an organization of forty young men chosen by annual competitive examination from
the men of the University community. About twenty concerts are given each year, engagements being filled in Ohio, Pennsylvania, New York, Michigan, Indiana and Illinois. The programs consist of classical numbers, popular glees, and college songs.

(d) *The Shepardson Glee Club.* This club consists of twentyfour girls, and with the exception of the officers is reorganized each fall by competitive examination. An annual concert is given in May. The club comprises the best voices of Shepardson College and Denison Conservatory.

**Scholarship**

An annual scholarship, the gift of Mrs. E. S. Shepardson, is at the disposal of the Conservatory Faculty.

In addition, $250.00 a year is received by the Conservatory from a friend of the department for the purpose of assisting worthy students.

**Conservatory Bulletin**

A Bulletin is published containing additional information regarding the Conservatory. A copy may be obtained by addressing Conservatory of Music, Denison University, Granville, Ohio.

**Expenses in Conservatory**

**Tuition per Semester**

In Pianoforte, Voice, Organ, Violin, Violoncello, or Wind Instruments

Two private lessons per week..................................................................................................................$50.00

One private lesson per week....................................................................................................................27.50

In Advanced Harmony, Counterpoint, Public School Music or History of Music: Class lesson, three hours per week 12.00

In Form, Canon and Fugue, Composition, Elementary Harmony, Terminology, Appreciation, or Orchestration and Conducting: Class Lessons, etc., two hours per week ..........................................................................................................................8.00

Student paying regular college tuition may elect “Elementary Harmony” and “Appreciation” without extra charge.
In Solfeggio, I, II, III, and IV, four hours per week......... 16.00
Rent of piano for practice, per semester hour (i.e. one hour a week for a semester)................................. 1.00
Rent of pipe organ for practice per hour.......................... .15

Students taking Conservatory work totaling $50.00 may elect college work, in addition, at the rate of $6.50 per semester hour. All special fees and the hospital fee are required except in the case of students taking only private lessons in the Conservatory. Rebate. Students dropping music before the middle of the semester must make arrangement for the rebate with the Director of the Conservatory.

DEPARTMENTS OF INSTRUCTION

THEORY AND HISTORY

Mr. Eschman, Mr. Stark, Miss McNeil

College credit may be obtained for any of the numbered courses. Those who intend to complete the theoretical course are advised to take courses 111-112, 221-222, 331-332, and 441-442, in consecutive years.

101-102. The Appreciation of Music. A non-technical course, open to all students of the University. The object is to point out the structural principles of musical art and to show what constitutes real merit in any field of musical activity. The work embraces lectures and analysis, collateral reading and critical reports of current recitals. VII, 2 hours. Mr. Eschman.

103-104. Chorus, Orchestra or Band and ensemble training. Three hours are required for one hour college credit. The course can be repeated in successive years as Music 203-204, for a total of four semester hours. Mr. Eschman.

111-112. Elementary Harmony. This course or its equivalent is prerequisite to all higher courses. It embraces a summary of music, a detailed study of the modern system of musical
notation, the analysis of rhythm, practice on scale writing, trans-
position and the use of all the clefs. The work concludes with a
study of elementary harmony including triad connection. This
course is required of all freshmen planning to graduate from the
conservatory.  

IV, 2 hours. Mr. Eschman and assistants.

113-114. Solfeggio. A course in ear training and musical
dictation. Fee, $16 each semester.

4 days, VI, 2 hours. Mr. Schirmer.

201. History of Music to the Eighteenth Century. The work
consists largely of assigned reading, with written reports, tests
and theses. A collection of primitive instruments serves to il-
ustrate the early stages of music, and typical music of the successive
periods is rendered in class so far as possible. Alternates with
311; offered in 1933-34.

VI, 3 hours. Mr. Eschman.

202. History of Music from the Eighteenth Century to the
present time. Continuation of Course 201. Alternates with 312,
and not given in 1932-33.

VI, 3 hours. Mr. Eschman.


4 days, VII, 2 hours. Mr. Schirmer.

221-222. Advanced Harmony. Review of intervals and
triads; dominant and secondary chords; suspensions; augmented
and altered chords; modulations; organ-point; the harmonization
of given melodies in bass or soprano, mostly in four parts, and
the composition of simple original pieces. Solfeggio and elemen-
tary theory are prerequisite, with knowledge of the pianoforte
sufficient at least to play an ordinary hymn-tune at sight.

IV, 3 hours. Mr. Eschman.

301. Terminology and Conducting. The elements of music
and conducting as applied to the practice of music in the schools.

IV, 2 hours. Miss McNeil.

302. Orchestration. The study of instruments and their
combinations with the practice of orchestrating for school pur-
poses.

IV, 2 hours. Miss McNeil.
311-312. Musical Form. Study of thematic construction and elements of composition, through analyses of the principal instrumental forms, as illustrated in the works of classic and modern composers. Practice is given in construction of the smaller musical forms, such as hymn-tune, and the dance forms of the classical suite. Courses 221-222 must ordinarily precede this work, but by special permission may be taken in the same years. Alternates with Music 201-2, and not given in 1933-34.

III, 2 hours. Mr. Eschman.

313-314. Public School Music Methods. This course covers in detail the work of the various grades and all methods now in use in the school. Related problems in the psychology of teaching are discussed.

II, 3 hours. Miss McNeil.

331-332. Counterpoint. The principles of harmony applied to the melodious treatment of two or more voice parts in combination. Free harmonization of choral melodies, two, three, and four part counterpoint in the several orders; contrapuntal and imitative treatment of subjects in different voices for organ and strings. Courses 221-222 are prerequisite and some proficiency in piano playing is required.

III, 3 hours. Mr. Stark.

441-442. Strict Composition. Analysis and composition of canon and fugue and the advanced forms of polyphonic music. This is a necessary preparation for the larger and freer forms of composition. Courses 221-222, 331-332 are prerequisite, with some proficiency in pianoforte or organ playing.

VI, 2 hours. Mr. Eschman.

451-452. Free Composition. First semester, original vocal settings of selected texts; analysis of standard choral works and songs; composition of short pieces for men's or women's voices and for mixed chorus unaccompanied. Later, types of accompaniment figures are studied and settings made with piano or other accompaniment. Second semester, analysis and composition of vocal and instrumental music in the large forms, with writing for orchestral instruments. Prerequisite, courses 441-442.

I, 2 hours. Mr. Eschman.
CATALOGUE NUMBER

APPLIED MUSIC

Forty-eight semester hours of credit in applied music (piano, voice, etc.) are required for the Bachelor of Music degree. Eight semester hours are credited toward the Bachelor of Arts degree in the college provided the student is ready for study of music in the third grade of the six grades outlined by the National Music Teachers' Association.

The courses are numbered as follows: Piano, Violin, Violoncello, Voice or Organ 111-112, 211-212, 311-312, and 411-412 for the first, second, third and fourth years in the subject, each course number receiving one hour of college credit per semester for one lesson and five hours practice a week.

Piano, Violin, Violoncello, Voice or Organ 121-122, 221-222, 321-322, 421-422, for the respective years, each course number representing two hours of college credit per semester for two lessons and ten hours practice a week.

PIANO

Miss Farrar, Miss Haury

No set course is specified, but the work is adapted to the individual pupil, and the teaching preserves the cultural point of view as much as the professional. Foundations are thoroughly laid in a study of the instrument itself and of the natural laws of tone production. Technical facility and velocity looking toward an adequate technique are considered merely the basis of artistic interpretation. The principles of expression are taught by means of the music of both classic and romantic composers.

VOICE

Mrs. Fitch, Mr. Schirmer, Miss Dunn

The object of this instruction is the correct placing of the voice, so that the tones are even and firm throughout the entire
range. Stress is laid on the control of the breath, rhythm, and phrasing, together with enunciation and stage presence. Use is made of the classic song literature of all schools, especially the German, and of our own American song writers.

**Organ**

**Mr. Stark**

A certain facility at the piano and in sight-reading is necessary and this must be proved to the satisfaction of the instructor, who may prescribe such additional work as may seem advisable in preparation. A good organ touch, comprising legato and staccato playing, steadiness and smoothness of style, are the objective aims.

Carl's Master Studies for Organ and Bach's Little Preludes and Fugues compose the ground work of study. This is followed by sonatas by Mendelssohn, Merkle, Guilmant, selections by Widor, Dubois, Boellman, Lemare, Best, Hollins, Buck and Parker. Special attention is given to hymn playing, accompanying and registration to meet the practical needs of church work.

**Violin and Violoncello**

**Mr. Gelfer, Mr. Wells**

Good tone production and clear intonation receive a large share of attention, followed by studies and special exercises to meet the needs of the individual. As the student becomes more proficient, pieces, sonatas, and concertos by classic and modern masters will be studied. It is the purpose to work not only for technical proficiency, but also for the higher and broader plane of artistic conception and interpretation. At least two semesters of piano study are required of candidates for graduation. Students are encouraged in ensemble playing, and those sufficiently advanced are admitted to the University Orchestra. The experience thus gained is not the least valuable part of the training, and is required of candidates for graduation.
CATALOGUE NUMBER

ENSEMBLE CLASSES

(a) Solfeggio I-II. Four hours per week, First Year.

   VI. Mr. Schirmer.

Solfeggio III-IV. Four hours per week, Second Year.

   VII. Mr. Schirmer.

This work, or a satisfactory equivalent is required of all candidates for graduation in any department of the Conservatory. The course is provided to meet the needs of all who are in any degree deficient in the fundamental principles of music, such as rhythm, intervals, and scales, or who are unable to read vocal or instrumental music readily at sight. It includes both ear-training and sight-singing.

(b) Normal Class—Miss Farrar. This course is offered at the request of piano students, and is designed as preparation for the teaching of piano. One year of harmony and piano in the Conservatory are prerequisites.

(c) Piano Classes—Miss Farrar and Miss Haury. Ensemble classes are maintained in piano, both duet and quartette work being done. The classes are free to all registered in the Conservatory, and this work is required of all pupils sufficiently advanced.

(d) String Classes—Mr. Gelfer and Mr. Eschman. As far as material offers practice is held in trio and quartette work, with performances in public on suitable occasions. Advanced pupils are coached in ensemble with piano.
THE SOCIETY OF THE ALUMNI OF
DENISON UNIVERSITY

Founded in 1846

President
Kirtley F. Mather, '09

Executive Secretary
John L. Bjelke, '16

THE ALUMNI COUNCIL

Officers
Francis W. Shepardson, '82, Chairman
Margaret Seasholes Riggs, '20, Secretary
W. H. Johnson, '85, Treasurer

Members
TERMS EXPIRE JUNE, 1933
W. H. Johnson, '85, Columbus
V. Ernest Field, '03, Indianapolis
Margaret Seasholes Riggs, '20, Newark
George Roudebusch, '15, Cleveland

TERMS EXPIRE JUNE, 1934
Margaret Gooch Barney, '14, Dayton
Lester Black, '14, Newark
Francis W. Shepardson, '82, Granville
Sara Taylor Woodyard, '17, Oak Park, Ill

TERMS EXPIRE JUNE, 1935
Robert M. Collett, '14, Dayton
Ford R. Weber, '21, Toledo
Eugene L. Exman, '22, New York City
Clara Olney Goodwillie, '22, Chicago
Graduates of the University are members of the Society of the Alumni. Students of former Granville institutions; recipients of honorary degrees; members of the Board of Trustees; and members of the Faculty for at least three years, are received as associate members. This Society was founded in 1846, William P. Kerr, '45, being the first President. Over 3,500 members are enrolled. Annual meetings are held in commencement week.

The Alumni Council was organized in 1921, and holds quarterly meetings. The Society maintains the Denison Alumni Bulletin, published monthly at Granville, Ohio, during the college year, under the editorship of the Executive Secretary.

Associations of the Denison Society of the Alumni are to be San Francisco, Denver, Buffalo, Rochester, N. Y., St. Louis, Charleston, W. Va., Wheeling, Parkersburg, and in larger units as North Carolina, Florida, Japan, and West China. In Ohio, Associations exist in Cleveland, Cincinnati, Columbus, Toledo, Akron, Canton, Youngstown, Dayton, Norwalk, Mansfield, Lima, Middle-town, Springfield, Cambridge and Newark. It is through these organized local groups and the Alumni Bulletin that the Executive Secretary keeps the alumni in touch with the college and with each other.

Before moving into a city where one’s acquaintance is limited, graduates and undergraduates are urged to consult with the Executive Secretary, who stands ready to introduce them to officers and members of the local groups who in turn will introduce them into circles that are congenial and helpful.

From its very beginning the Society has rendered substantial financial assistance to the college, its greatest effort being the Alumni Centennial Professorship Fund. A large part of this Fund was turned over to the college in October, 1931. During the past year the Alumni Council has substituted for alumni dues the principle of annual giving by alumni in the confidence that through this method an effective living endowment will be secured.
Degrees Conferred in June, 1932

HONORARY DEGREES
Homer Price Rainey, Doctor of Laws
Douglas Wilson Johnson, Doctor of Science

MASTER OF SCIENCE (in course)
Robert Hoffman Moore, B.S., Major, Botany
Thesis: Factors in the Rate of Growth of Certain Aquatic Plants
Degree granted as of 1931

BACHELOR OF ARTS

Edna Baumann Adams
Dorothy May Amrine
Mary Eleanor Armstrong
Ruth Arnold
Marian Bowman
Clara Elizabeth Boyer
Margaret Ruth Brakeman
Pearl Burgoo
Eleanor Elizabeth Chesnutt
Helen Lucile Cowman
Lurabelle Davidson
Linda Rogers Davis
Ollie Leona Detwiler
Marian Duncan
Mary Elizabeth Eddy
Bertha Hsi-Jen Fang
Lola May Francis
Murray Bernice Gage
Louise Margaret Gillin
Frances Elizabeth Guckert
Alethea Taber Hanson
Lola Lucille Harris
Erna Janet Hart
Mary Mildred Haymond
Kathryn Elizabeth Hoffman
Carolyn Stevens Hughes
Frances Wells Hutchinson
Helen Louise Jackson
Carrie Laverna Johnson
Barbara Anne Jones
Ellen Dolores Keadey

Martha Edna Kemper
Merle Marie Leach
Margaret Lepper
Elizabeth Alice Lewis
Nancy Eloise Lewis
Annie Kate Lunsford
Dorothy McElroy
Josephine Agnes McFarlane
Pauline Joy MacLean
Ruth Bentley Mabee
Barbara Garey Mason
Lillian Mae Maurer
Florence Elizabeth Maybach
Selma Ruth Mentall
Dorothy Genevieve Mercer
Jessie Marian Mohr
Susan Alice Montgomery
Mary-Elizabeth Katherine Nist
Doris Thurber Palmer
Emma Louisa Pretorius
Anna Kibler Robbins
Irene Weisel Robinson
Mary Elizabeth Smith
Juliette Catherine Spencer
Lillian Frances Sprouse
Marjory Adele Stevens
Margaret Frances Thompson
Dorothy Scott Wiley
Howard Wadsworth Ashton
Charles Edward Baker
Charles Sherman Baldwin
Donald George Blackburn
Richard Adair Blackburn
George Elliott Boyd Jr.
James Douglas Burt
Carl Mayo Capen
Howard Schuler Carroll Jr.
Arthur Charles Darrow Jr.
Mortimer Charles Dean
Gabriel Eustace DeCicco
Stanley William Drews
Robert Case Edwards
William Theodore Everitt
Edward Dean Fellman
Lowell Noble Finly
Frederick Hunt Foster
Thomas Walter Gable
Harry Paul Grady
Lowell Bethier Hamilton
Neale Ambrose Hollingworth
Adolph Leo Humilcek
Sheldon Dwight Jewett
Elbert Frederick Kennard
Richard Robert Kruse
Glenn Avon Kyker
George William Laycock

Fred Thomas Moore
Merle Emerson Mouser
Elmer Ranz
Richard Maulby Roberts
Donald Leibenguth Rossiter
Earle Samuel Rupe
Richard Thomas Sauer
Paul Franklin Sauer
Raymond Hungre Scott
Albert James Scriven
Harry Richard Shank
Herbert Frederick Short
Howard Wayne Smith
Harry Emerson Steck
George Stoeckmann
John Samson Talbot
Clifford Bruce Turner
James William Uebelhart
Robert Fulton Van Voorhis
Asbury Prose Walker
Charles Edwards Welling
William Edgar Wheatley Jr.
Russell John Wille
Walter Kelly Williams
Willard Harlan Willis

Leighson Gene Wolfe

DIPLOMA IN CONSERVATORY
Selma Ruth Mentall, Organ

CERTIFICATES IN PUBLIC SCHOOL MUSIC
Ellen Dolores Keadey
Martha Edna Kemper

BACHELOR OF MUSIC
Mabel Elizabeth Grandstaff
Sarah Stasel Schiffereler

Degrees Conferred in September, 1932

BACHELOR OF ARTS
Mildred Esther Schull
John David Latta
Honors and Prizes Awarded in 1932

ELECTION TO MEMBERSHIP IN PHI BETA KAPPA

SENIORS
Pearl Burgoon
Linda Davis
*Robert Edwards

*Elected in Junior Year.

*Charles Welling

JUNIORS
Charles Stoneking

THE HARMON FRESHMAN LATIN PRIZE
Jane Ditzel

THE FRESHMAN CHEMISTRY PRIZE
Clinton Nichols

THE GILPATRICK SCHOLARSHIP FOR EXCELLENCE IN MATHEMATICS
Charles Edwards Welling

THE WOODLAND CHEMISTRY PRIZE
Rex Alexander

THE LEWIS PRIZE CONTEST
First, James Uebelhart
Second, Arthur Mentall

Third, Richard Kruse
Fourth, Sherwood Blasdel

THETA CHAPTER OF OHIO, PHI BETA KAPPA 1932-33

SCHOLARSHIP
Charles Edwards Welling

THE SAMSON TALBOT PRIZES IN BIBLE READING
First, Mortimer Dean

Second, William Powell

GENERAL HONORS
Margaret Lepper
Robert Edwards

James Uebelhart
Charles Welling

SPECIAL HONORS
Charles Welling, Physics
DEPARTMENTAL HONORS
Pearl Burgoon, Mathematics
Alethea Hanson, Zoology
Margaret Lepper, Mathematics
Lillian Maurer, History
Mary-Elizabeth Nist, Mathematics
Irene Robinson, Modern Language
Dorothy Wiley, Physical Education
Robert Edwards, Zoology
Charles Welling, Chemistry, Mathematics, Physics

ANNUAL HONORS
Nelle Bumer  Sherwood Blasdel
Jean Dawson  John Broemmelsiek
Muriel Detweiler  Robert Edwards
Ruth Detweiler  Russell Fox
Eva Fitch  Richard James
Louise Krause  Ernest Jensen
Margaret Little  Howard Keech
Gladys Merchant  Malcolm MacQueen
Hazel Phillips  Kenneth Maxwell
Martha Ann Shepardson  Clinton Nichols
Glenna Snapp  John Olt
Ellen Wadsworth  Charles Stoneking
Mildred Zimmer  James Uebelhart

“A” STUDENTS
Margaret Little  Glenna Snapp
Virginia Smith  Robert Edwards

ELECTION TO MEMBERSHIP IN PHI SOCIETY
Muriel Detweiler  Julia Orr
Ruth Detweiler  Mary Eleanor Peirce
Jane Ditzel  Hazel Phillips
Barbara Heald  Ida Roudebush
Margaret Huston  Margaret Rove
Henrietta Komarek  Glenna Snapp
Louise Krause  Elizabeth Thomas
Clarita McCormick  Mary Virginia Tuttle
Caroline McDonald  Elizabeth Veale
Sally Menaul  Ellen Wadsworth
Gladys Merchant  Doris Wolfe
Norman Adams
Richard Ashley
Emert Bowerman
John Broemmelsiek
Samuel Cassel
Francis Doughty
Thomas Hage
Frank Hollingsworth
Richard James

Robert Kincheloe
Kenneth Maxwell
Clinton Nichols
John Olt
John Osmond
Samuel Schaff
Robert Taylor
Milton Volkens
Lucian Warren
### Student Enrollment
(For the First Semester 1932-1933)

#### POST GRADUATES

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carroll, Schuler</td>
<td>Granville</td>
</tr>
<tr>
<td>Latta, Jack</td>
<td>Granville</td>
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<tr>
<td>Thompson, McKeen</td>
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<tr>
<td>Moore, Fred</td>
<td>Hibbetts</td>
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</tbody>
</table>

#### SENIORS

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Archbold, Dorothy</td>
<td>Detroit, Mich.</td>
</tr>
<tr>
<td>Augenstein, Ethel</td>
<td>Marion</td>
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<td>Bigglestone, Ruth</td>
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<td>Bingham, Frances</td>
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<td>Boynton, Rachel</td>
<td>Clarksburg, W. Va.</td>
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<td>Braunschweiger, Kathryn</td>
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<td>Breitenwischer, Wilhemina</td>
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<td>Chambers, Mildred</td>
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<td>Name</td>
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<td>Hutchinson, Margaret</td>
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<td>Throckmorton, Mabel</td>
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<td>Yaggi, Isabelle</td>
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<td>Anderson, Samuel</td>
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<td>Armstrong, Hazen</td>
<td>Saginaw, Mich.</td>
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<td>Baker, Charles</td>
<td>New York, N. Y.</td>
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<td>Barker, Dana</td>
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</tbody>
</table>
CATALOGUE NUMBER

Barnes, Wendell ................................................................. Columbus
Beatley, Philip ................................................................. Lakewood
Beck, Hamilton ................................................................. Pittsburgh, Pa.
Bridge, Robert ................................................................. Cincinnati
Broughton, Charles ............................................................. Granville
Brown, Charles ................................................................. Mansfield
Cherney, Paul ................................................................. Cleveland
Conklin, Erving ................................................................. Brooklyn, N. Y.
Cooper, George ................................................................. Zanesville
Craig, Thomas ................................................................. Washington C. H.
Czap, William ................................................................. East Orange, N. J.
Denny, William ................................................................. Cambridge
DePuy, Robert ................................................................. Dayton
Deweer, Frederick ............................................................. Granville
Dickerson, Edwyn .............................................................. Newark
Dildine, Gibson ................................................................. Lima
Eatough, Wilfred .............................................................. Pawtucket, R. I.
Elliott, Frank ................................................................. Newark
Ellison, Glenn ................................................................. Middletown
Felker, John ................................................................. Toledo
Fink, Wendell ................................................................. Fredericton
Gabel, Joseph ................................................................. St. Clairsville
Garwood, Paul ................................................................. Dayton
Grant, Lawrence .............................................................. Granville
Green, Robert ................................................................. Kent
Gregg, Corby ................................................................. Lewisburg, Pa.
Grendon, Howard .......................................................... Tiffin
Huchison, James ........................................................... Madeira
Hume, Richard .............................................................. Urbana
Humphrey, James ........................................................... Bedford
Jacob, Howard ................................................................. Cleveland
Jenkins, Daniel ............................................................... New Lexington
Johnson, Lee ................................................................. Hammond, Ind.
Johnson, Norman ............................................................ Niles
Jones, Roderic ................................................................. Newark
Kawakami, Susumu ............................................................ Osaka, Japan
Keib, Stephen ................................................................. Cleveland
Klein, Herman ............................................................... Cincinnati
Knox, George ................................................................. Granville
Kohlman, Wilbur ............................................................ Sandusky
Kubik, Paul ................................................................. Cleveland
Lair, Reynolds ................................................................. Columbus
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Shepard, John.............................................Granville
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Treharne, Jack...........................................Martins Ferry
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Van Voorhis, Daniel....................................Fort Knox, Ky.
Walker, Howard...........................................Johnstown
Warne, Allen...............................................Centerville
Wart, Lauri................................................Ashtabula
Waybright, Edgar........................................Jacksonville, Fla.
Wright, James.............................................Newark
Zeller, Karl...............................................Columbus
Zimmers, Neal............................................Dayton

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Adams, Robert............................................Springfield
Ashbrook, Paul...........................................Granville
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Ball, Joseph...............................................Zanesville
Barth, Wade..............................................Lakewood
Bartlett, Perry..........................................Marietta
Blasdel, Sherwood......................................Amarillo, Texas
Blum, Karl................................................Cincinnati
Boylan, Burson..........................................Youngstown
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SOPHOMORES

Adams, Norman Newton Centre, Mass.
Agin, Edward Newark
Alexander, Robert Dayton
Amos, Robert Cambridge
Anderson, Vernon Cleveland
Antes, Richard Highland Park, Mich.
Ashley, Richard Kenosha, Wis.
Atwater, John Anderson, Ind.
Bachrach, Alexander Plymouth
Baird, Richard Oak Park, Ill.
Bickford, Marshall Bucyrus
Border, Jess Middletown
Bowerman, Emerz. Homeworth
Boyles, Elwood Oak Park, Ill.
Brittmall, Arthur Madison
Brown, Herbert Zanesville
Burns, John Pauls Valley, Okla.
Butterfield, David Zanesville
Campbell, George Youngstown
Carey, Joseph Dayton
Cassel, Samuel Lansdale, Pa.
Clark, John Shortsville, N. Y.
Coelho, Richard Newark
Cornell, Maurice Mt. Vernon
Coughenour, Kenneth Chicago, Ill.
Deming, Henry Granville
Dorsey, William Urbana
Doughty, Francis Beacon, N. Y.
Ebaugh, Paul Granville
Eckhardt, Henry Wilkinsburg, Pa.
Eckman, Reeve Newark
Evans, Jack Hamburg, N. Y.
Ferguson, Thomas Akron
File, Charles Oklahoma City, Okla.
Foot, Albert Coshocton
Frederickson, Charles
French, Thomas Salem
Furin, Walter Campbell
Gaumer, Thomas Marysville
Greenlee, Charles La Grange, Ill.
Hage, Thomas River Forest, Ill.
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Smith, Helen..................................................Westfield, N. J.
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Woodward, Jane...............................................River Forest, Ill.
Young, Jane....................................................Granville

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Anderson, Frank...............................................Mt. Vernon
Andrew, James................................................Granville
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Brundige, Robert..........................................Findlay
Cassel, Robert ........................................ Lansdale, Pa.
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Clissold, Walter ................................... Chicago, Ill.
Cole, Gilbert ....................................... Closter, N. J.
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Davis, William ....................................... Newark
Dawson, Kenneth .................................... Perry
Deam, William ....................................... Vermillion
Dixon, Emory ........................................ Troy
Doughty, John ........................................ Beacon, N. Y.
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Esten, Robert ........................................ Elgin, Ill.
Ewell, Paul ........................................... Rochester, N. Y.
Ferguson, David ....................................... Akron
Fishell, William ...................................... Findlay
Flaum, Herman ....................................... Bedford
Fordham, Forrest ..................................... Malta
Foster, Hubert ......................................... Granville
Foster, Karl ........................................... Newark
Franz, Fred .............................................. Erie, Pa.
Geffine, William ..................................... Lakewood
Gibson, John ........................................... Cleveland Heights
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Gordon, Frank ....................................... Wilmette, Ill.
Gordon, Robert ....................................... Wilmette, Ill.
Graham, Joseph ...................................... New Cumberland, W. Va.
Haas, Foyd ............................................... Chicago, Ill.
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Hankinson, Thomas ................................... Granville
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Hull, Virgil ........................................... Mt. Gilead
Johnson, Frank ....................................... St. Louis, Mo.
Larimer, Alan .......................................... Cleveland Heights
LeMasters, Charles ................................... Richwood
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Reinhold, Betty ......................................................... Newark
Robuck, Margaret ....................................................... West Union
Robuck, Martha .......................................................... Gomer
Roliman, Gwendolyn .................................................... Ashtabula
Salisbury, Ruth .......................................................... Dayton
Shepard, Virginia ...................................................... Cincinnati
Shryock, Pauline ........................................................ Mansfield
Sibbison, Agnes .......................................................... Cleveland
Simpson, Dorothy ...................................................... Kalamazoo, Mich.
Sisson, Anna May ....................................................... Rahway, N. J.
Smailes, Edith ............................................................ Coshocton
Smith, Elberta ........................................................... West Lafayette, Ind.
Smith, Margaret .......................................................... Cleveland
Snyder, Virginia ........................................................ Evanston, Ind.
Spencer, Eleanor ........................................................ East Cleveland
Stickle, Gertrude ........................................................ Cleveland Heights
Talbott, Charlotte ....................................................... Fly
Uhl, Margaret ............................................................. Millersburg
Varney, Marion ........................................................ Lakewood
Vaughan, Margaret ..................................................... Lakewood
Wagner, Louise ........................................................ Winnetka, Ill.
Walker, Agnes ........................................................... Barnesville
Walthour, Marian ........................................................ East Cleveland
Ward, Harriet ............................................................ Lakewood
Ware, Suzanne ........................................................... Mentor
Watson, Martha ........................................................ River Forest, Ill.
Whitmore, Neva ........................................................ Gambier
Wilkinson, Mary E ....................................................... East Cleveland
Wilson, Mary .............................................................. Rockwood, Tenn.
Wilson, Maurine ......................................................... Washington C. H.
Wingert, Frances ........................................................ Granville
Wolcott, Elizabeth ....................................................... Oak Park, Ill.
Wooten, Mary-Ellen ................................................. Bellevue, Ky.
ADDITIONAL ENROLLMENT FOR THE SECOND SEMESTER
1931-1932


SENIORS

Arnold, Ruth ........................................................................................................... Wilmette, Ill.
Eschman, Mrs. Agnes ........................................................................................... Granville
Haymond, Mary Elizabeth ..................................................................................... Newark
Maybach, Elizabeth ............................................................................................... Dundee
Smith, Mary Elizabeth ........................................................................................... Newark
Brumm, Lewis ......................................................................................................... Coldwater
Sauer, Paul ................................................................................................................ Orrville
Shank, Harry ........................................................................................................... Newark

JUNIOR

Ashbrook, Lewis ..................................................................................................... Granville

SOPHOMORES

Coffman, Lois .......................................................................................................... Newark
Brown, Herbert ....................................................................................................... Zanesville
Cook, Robert ........................................................................................................... Toledo
Kirby, Herbert ......................................................................................................... Granville
Lloyd, Robert .......................................................................................................... Granville
Remmele, James ..................................................................................................... Toledo
Spear, Edward ......................................................................................................... Cleveland
Thompson, Francis ................................................................................................. Granville
Valentine, William ................................................................................................. Granville
Woxman, Carl .......................................................................................................... Dayton
Wright, Wilbur ......................................................................................................... Toledo

FRESHMEN

Bell, Mary Alice ...................................................................................................... Oak Park, Ill.
Counter, Mrs. Lena ................................................................................................ Newark
Frost, Anna .............................................................................................................. Johnstown
Dawkins, Carl ......................................................................................................... Alexandria
Eckman, Reeve ......................................................................................................... Newark
File, Charles ............................................................................................................ Oklahoma City, Okla.
McCray, Irvin .......................................................................................................... Centerville
Mitchell, Charles .................................................................................................... Des Moines, la.
Scholle, William ..................................................................................................... Cleveland
Tingley, Jack ........................................................................................................... Buckeye Lake
Weisenbarger, Paul .................................................................................................. Greenville
Conservatory of Music

SENIOR CLASS

Muriel Coghill, Piano............................................Fallsington, Pa.
Fern Dennis, Public School Music......................................Lancaster
Alice Mathewson, Public School Music................................Oakdale, Pa.
Ruth Shewmon, Public School Music...........................................Indianapolis, Ind.
Dorothy Van Voorhis, Piano and Public School Music..............Coshocton
Isabelle Yaggi, Public School Music.....................................New Philadelphia

UNCLASSIFIED

Adams, Jean...............................................................Coshocton
Addenbrooke, Constance G..............................................Wilmette, Ill.
Alexander, Rex..............................................................Canton
Arnold, Charles.........................................................Parkersburg, W. Va.
Baechler, Kathryn E......................................................Lima
Bailey, Evan F.............................................................North Scituate, Mass.
Bailey, Howard H............................................................Ventnor, N. J.
Baker, Mildred E.............................................................Passaic, N. J.
Ballard, Betty R.............................................................Zanesville
Barton, Viva...........................................................................West Hartford, Conn.
Bayless, Marian H............................................................Cambridge
Bigelow, John H...............................................................Granville
Blum, Karl E........................................................................Cincinnati
Boylan, D. B.................................................................Youngstown
Breining, Edith.................................................................Bellevue, Pittsburgh, Pa.
Bryan, Helen Mae.............................................................Oak Park, Ill.
Calvert, Marian W.............................................................Newark
Caner, Clarice......................................................................Pataskala
Cassel, Sam.......................................................................Lansdale, Pa.
Clark, Elizabeth.................................................................Evanston, Ill.
Clark, Marjorie..................................................................Ashland
Clem, Mary V......................................................................Newark
Clement, Georganna E.........................................................Zanesville
Clifford, Carolyn.............................................................Ashtabula
Clissold, Walter N...........................................................Chicago, Ill.
Coelho, Richard................................................................Newark
Conklin, Erving...................................................................Brooklyn, N. Y.
Cook, Gladys.....................................................................East St. Louis, Ill.
Coons, Jane.........................................................................Granville
Czap, William......................................................................East Orange, N. J.
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<td>Durnell, Mary F.</td>
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<td>Jobe, Paul H.</td>
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Johns, Verna C. .........................................................River Forest, Ill.
Johnson, Louise H. .................................................Granville
Jones, Edith E. .......................................................Granville
Jump, Marjorie L. ..................................................Martins Ferry
Kemper, Elizabeth ...................................................Charleston, W. Va.
Kirby, Herbert ..........................................................Granville
Kubik, Paul H. ..........................................................Newark
Kunninger, Aileen .....................................................Newark
Langfitt, June ..........................................................Clarksburg, W. Va.
Latta, Emma ..............................................................Granville
Lee, Elinore S. .........................................................Mt. Vernon
Levering, Robert W. ..................................................Fredericktown
Lindström, Jean .......................................................Wilmette, Ill.
Marr, Sarah B. ..........................................................Troy
McCann, Eleanor C. ..................................................Dayton
McCann, Franklin .....................................................Granville
McCraney, H. W. ........................................................Rutherford, N. J.
McElwee, Ellis D. ......................................................Geneva
McKechnie, David .....................................................Madison
McKenzie, Helen .......................................................Hamburg, N. Y.
McMichael, William B. .................................................Newark
McNeil, Carol ...........................................................Granville
Midlam, Doris E. .......................................................Dayton
Moreland, Marion .....................................................Granville
Myers, William H. .....................................................Canton
Null, Doris Kay ........................................................State Soldiers' Home
Obenland, Florence L. ...............................................Chicago, Ill.
Orman, Thomas ........................................................Middletown
Osmond, John ..........................................................Cleveland
Oxley, Ruth Marguerite ..............................................Belle Center
Perry, Lucille ..........................................................Granville
Purkiss, Margaret E. ..................................................Pittsburgh, Pa.
Railshack, David ......................................................Cleveland
Rhodehamel, Robert T. ...............................................Shaker Heights
Rice, Norma Jane .....................................................Canton
Robuck, Martha V. ....................................................Gomer
Rogers, Roy S. ..........................................................Hillsboro
Rogers, Thomas W. ...................................................Granville
Rowe, Helen Margaret ...............................................Shaker Heights
Rusler, Robert ..........................................................Johnstown
Russelo, Max ............................................................West Middletown
Shauck, Charles .......................................................Newark
Scheidegger, Esther Marie ..........................................Pataskala
Senhauser, Edwin ....................................................New Philadelphia
Shepard, Barbara L.....................................................Granville
Shepardson, Martha Ann...........................................Granville
Shilling, E. R. Jr.....................................................Columbus
Shryock, Pauline M..................................................Mansfield
Shumaker, Eleanor A................................................Granville
Sieplein, Dorothy....................................................Lakewood
Sisson, Anna May....................................................Rahway, N. J.
Smailes, Grace........................................................Coshocton
Smith, Betty..........................................................Granville
Smith, Helen Margery...............................................Pataksala
Smoot, Lois Jane.....................................................Cleveland
Snapp, Glenna.......................................................Oak Park, Ill.
Snyder, Bertram......................................................Cincinnati
Southard, James C...................................................Toledo
Spencer, Eleanor.....................................................East Cleveland
Spring, Ernest........................................................Bhamo, Burma
Stevens, Roberta Ann..............................................Newark
Stevenson, John C...................................................Granville
Stewart, Bruce.......................................................Granville
Stoker, Margaret L..................................................Pittsburgh, Pa.
Swisher, Elizabeth...................................................Newark
Talbott, Charlotte Anne.........................................Fly
Taylor, Frank........................................................Oak Park, Ill.
Treharne, Jack W....................................................Martins Ferry
Varnell, Ednah M.....................................................Chicago, Ill.
Vassar, George......................................................Denison, Iowa
Veale, Elizabeth....................................................Cleveland Heights
Wagner, Louise........................................................Winnetka, III.
Walker, Agnes Pearl................................................Barnesville
Wheeler, George.....................................................Cortland
Wingert, Frances Hester...........................................Granville
Wingert, Lucille G..................................................Granville
Wright, Robert J.....................................................Granville
Zeller, M. Karl........................................................Columbus
Zimmer, Carl........................................................Adams Mills
Zimmer, Mildred E...................................................Adams Mills

ADDITIONAL ENROLLMENT FOR SECOND SEMESTER 1931-32
(not included in catalogue of January, 1932)

Agin, Edward.........................................................Newark
Bell, Mary Alice....................................................Oak Park, Ill.
Bickford, Marshall..................................................Bucyrus
Breining, Eith......................................................Pittsburgh, Pa.
Brown, Mrs. Edward...............................................................Newark
Clark, Elizabeth........................................................................Newark
Coffman, Lois............................................................................Newark
Deeds, Edward.........................................................................Granville
Eddy, Martha.............................................................................Granville
Ehrich, Margene.........................................................................Granville
Everhart, Donald.........................................................................Cleveland
Freda, Evelyn............................................................................Granville
Grandstaff, Mabel.......................................................................Granville
Halley, Henry...........................................................................Chicago, Ill.
Herrick, Ruth.............................................................................Cleveland Heights
Jackson, Barbara..........................................................................Tenafly, N. J.
Jacques, Dorothy.........................................................................Cleveland Heights
Kimball, Richard..........................................................................Madison
King, Ella....................................................................................Corry, Pa.
Kirby, Herbert...........................................................................Granville
Kuninger, Eileen.........................................................................Newark
Linder, Florence...........................................................................St. Louis, Mo.
Marvin, Robert...........................................................................Cleveland Heights
Monroe, Doris............................................................................Alexandria
Osmond, John.............................................................................Cleveland
Oxley, Ruth M...............................................................................Belle Center
Russelo, Max...............................................................................West Middletown
Schneller, Margaret......................................................................River Forest, Ill.
Sieplein, Dorothy........................................................................Lakewood
Smith, Helen M...........................................................................Pataskala
Stewart, Mrs. Margaret..............................................................Newark
Teegardin, Mary..........................................................................Toledo
Ware, Mildred.............................................................................McCoysburg, Ind.
Williamson, Irene........................................................................Pataskala

**PART-TIME STUDENTS**

Burriss, Mrs. Shirley..................................................................Granville
Doty, Mrs. Mildred......................................................................Granville
Dunn, Dorothy............................................................................Granville
Eschman, Mrs. Karl.....................................................................Granville
Gordon, Mrs. Doris......................................................................Granville
Haury, Elsa..................................................................................Granville
Haury, Sue..................................................................................Granville
Lowe, Mrs. Blanche......................................................................Newark
Mathers, Ruth.............................................................................Granville
Wright, Mrs. Walter......................................................................Newark
CATALOGUE NUMBER

Barham, Arthur.......................................................... Bridgeport, Ala.
Handel, Neil.............................................................. Newark
King, Ashby............................................................... Kenbridge, Va.
Marlow, Wayland Jr................................................... Granville
Stark, Brayton........................................................... Granville

EXTENSION STUDENTS

Ardrey, Mary................................................................ Black Run
Beccher, Mildred.......................................................... Granville
Bridge, Pauline............................................................ Cincinnati
Cagney, Mayme............................................................ Newark
Couper, Mrs. Lena........................................................ Newark
Curran, Edith B........................................................... Mt. Vernon
Dalrymple, Lora E......................................................... Fredericktown
Devalon, Margaret....................................................... Mt. Vernon
Dispenette, Laura........................................................ Newark
Eichborn, Louise.......................................................... Newark
Evans, Mrs. Nettie........................................................ Granville
Frederick, Louise........................................................ Johnstown
Fry, Miss Faith........................................................... Newark
Garrett, Ruth.............................................................. Alexandria
Gibson, Emily............................................................. Mt. Vernon
Hall, Mrs. Charlotte...................................................... Newark
Handel, Mary Margaret................................................ Newark
Hoover, Pauline.......................................................... Johnstown
Hunter, Mrs. Nora......................................................... Granville
Johnson, Helen........................................................... Alexandria
Keckley, Nina............................................................. Newark
Kiess, Ruth................................................................. Newark
Kreager, Pauline........................................................ Glenford
Lowe, Mrs. Blanche....................................................... Newark
McCoy, Katharine........................................................ Newark
McKay, Nora............................................................... Mt. Vernon
MacNealy, Lillian......................................................... Newark
Macy, Mrs. R. L............................................................ Newark
Mills, Magdalene........................................................ Hanover
Patterson, Ruth.......................................................... Newark
Perry, Mrs. Bessie......................................................... Granville
Rogers, Esther............................................................. Newark
Simmons, Mrs. Emmeline............................................... Newark
Smith, Nelle............................................................... Newark
Stevens, Alma........................................................... Alexandria
Van Tassel, Mabel....................................................... Newark
SUMMARY OF ATTENDANCE
(First Semester, 1932-1933)

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<th>Category</th>
<th>Men</th>
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<td>Post graduates</td>
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<tr>
<td>Seniors</td>
<td>76</td>
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<td>Juniors</td>
<td>75</td>
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<tr>
<td>Sophomores</td>
<td>128</td>
<td>111</td>
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<td>Freshmen</td>
<td>103</td>
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<td>Total, full time students</td>
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<td>Conservatory of Music, collegiate rank</td>
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<td>Part-time students</td>
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<td>Grand total (exclusive of repetition)</td>
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**CONSERVATORY REGISTRATION**

*Seniors*                           | 10 | 15 | 25 |
*Juniors*                            | 7  | 15 | 22 |
*Sophomores*                          | 20 | 27 | 47 |
*Freshmen*                            | 15 | 19 | 34 |
Non-collegiate                        | 9  | 24 | 33 |
 Total                                | 61 | 100| 161|

*Refers to collegiate rank. For Conservatory rank, see alphabetical list of conservatory names.

**SUMMER SCHOOL REGISTRATION**

Summer Session 1932                   | 83 | 71 | 154
### GEOGRAPHICAL CENSUS

(First Semester 1932-1933)

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<td><strong>Total United States</strong></td>
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<td><strong>Grand Total (full time)</strong></td>
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<td><strong>371</strong></td>
<td><strong>757</strong></td>
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<tr>
<td>Part-time students</td>
<td>5</td>
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<td>16</td>
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<tr>
<td>Conservatory (non-college)</td>
<td>9</td>
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<td>31</td>
</tr>
<tr>
<td>Extension students</td>
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<td>38</td>
<td>66</td>
</tr>
<tr>
<td><strong>Grand total (exclusive of repetition)</strong></td>
<td><strong>428</strong></td>
<td><strong>442</strong></td>
<td><strong>870</strong></td>
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*Includes 2 names also counted in conservatory (non-college group) and 1 in extension group.
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DENISON UNIVERSITY
BULLETIN
Announcements, 1934-1935

Catalog Number, 1933-1934

GRANVILLE, OHIO

University Bulletin is issued bi-monthly and entered at the Post Office in Granville, Ohio, as mail matter of the Second Class.
The University Calendar

<table>
<thead>
<tr>
<th>1934</th>
<th>1935</th>
<th>COLLEGE YEAR 1934-1935</th>
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</thead>
<tbody>
<tr>
<td>Spring Recess begins</td>
<td>Friday</td>
<td>Monday</td>
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<tr>
<td>Spring Recess ends</td>
<td>Monday</td>
<td>Saturday-Sunday</td>
</tr>
<tr>
<td>“Mother’s Day”</td>
<td>Wednesday</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Comprehensive examinations (seniors)</td>
<td>Thursday-Friday</td>
<td>Saturday</td>
</tr>
<tr>
<td>Memorial Day (holiday)</td>
<td>Saturday</td>
<td>Thursday</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Saturday</td>
<td>June 9</td>
</tr>
<tr>
<td>Meeting of the Board of Trustees</td>
<td>Saturday</td>
<td>June 9</td>
</tr>
<tr>
<td>Alumni Day</td>
<td>Saturday</td>
<td>June 10</td>
</tr>
<tr>
<td>President’s Reception</td>
<td>Saturday</td>
<td>June 11</td>
</tr>
<tr>
<td>Baccalaureate Sermon</td>
<td>Saturday</td>
<td>June 14</td>
</tr>
<tr>
<td>Commencement</td>
<td>Saturday</td>
<td>August 10</td>
</tr>
<tr>
<td>Summer School begins</td>
<td>Thursday</td>
<td>Monday</td>
</tr>
<tr>
<td>Summer School ends</td>
<td>Friday</td>
<td>September 10</td>
</tr>
</tbody>
</table>

First Semester opens | Monday | Monday-Thursday | September 10-13 |
Freshman Week | Monday | September 12 |
Registration of Former Students | Wednesday | September 13 |
Registration of New Students | Thursday | Sept. 14, 8 A.M. |
Classes organized | Friday | Sept. 14, 10 A.M. |
First Convocation | Friday | October 27 |
Homecoming | Saturday | Nov. 28, 12:30 P.M. |
Thanksgiving Recess begins | Wednesday | Dec. 3, 8 A.M. |
Thanksgiving Recess ends | Monday | Dec. 20, 4 P.M. |
Christmas Recess begins | Thursday | |

1935

Christmas Recess ends | Monday | January 7, 8 A.M. |
Mid-year Examinations | Thursday-Friday | January 17-25 |
Second Semester begins | Monday | January 28 |
Registration of all Students | Monday | January 28 |
Washington’s Birthday (holiday) | Friday | February 22 |
Spring Recess begins | Friday | March 29, 4 P.M. |
Spring Recess ends | Monday | April 8, 8 A.M. |
Comprehensive Examinations (seniors) | Thurs.-Wednesday | May 23-29 |
Memorial Day (Holiday) | Thursday | May 30 |
Final Examinations | Friday-Friday | May 31-June 8 |
Commencement | Monday | June 10 |
To All New Students:

Denison University extends to you a hearty welcome. To qualify for entrance to Denison indicates a high level of previous achievement. We welcome you, therefore, for what you have done and for what you are.

We welcome you also because of our high hope that having begun well, you will continue to achieve distinction. To quote an ancient friend of man, "Be not weary in well doing!" We welcome you to all the factors in our community life which will contribute to the development of your best and largest self. We assume that in coming to this school, you are ready to become a helpful member of our co-operative community, made up of students, faculty, administrative officers and citizens of Granville. You stand at the open door of a great opportunity, a real land of promise. What you may win from it depends almost wholly on yourself. If your attitude is one of "getting by", with the least effort and co-operation, then it is not worth while to start. We believe, however, that you will come all the way in at the beginning, and will be constantly asking "How can I make the most of these opportunities?" With that attitude you will find everyone ready to help you gain the utmost of the riches waiting for you here.

A. A. SHAW,
President.
INTRODUCTORY NOTE

The Denison catalog is prepared especially for the use of students now in college and for the prospective student. This purpose has determined the arrangement of material.

The reader will find general information concerning Denison, i.e., the campus, buildings, etc.; Student life and organizations. This is followed by information concerning admission to Denison and requirements for a degree. Outlines of certain special courses are submitted. A general statement about expenses is presented. Read each page here carefully. If you need further information write to the Registrar, Denison University, Granville, Ohio. The well-balanced requirements for entrance and for graduation have been set up after years of experience. They are in accord with the progressive educational development in standard liberal arts institutions in this country.

The courses offered by the several departments of study are given in detail on pages 58 to 104. Departments are listed in alphabetical order. With each course you will find indicated the number of semester hours of credit it gives, the class hours and the semester when it is given. This information is sufficient to enable a student to plan his courses for the entire four years. We recommend such diligent planning of future work.

A special section regarding our Conservatory of Music will be found on pages 106 to 118.

Names of trustees, administrative officers, faculty, alumni officers, graduates, and present students will be found at the back of the catalog.

The complete index on page 160 is a helpful feature for frequent use.

The Catalog Committee.
GENERAL INFORMATION

HISTORICAL NOTE*

On December 13, 1831, *The Granville Literary and Theological Institution* opened its doors to students. The purpose of the founders, as expressed in an address of the next year, was "to furnish the means of obtaining a thorough Classical and English education, which shall not be inferior to what can be obtained in any institution, of whatever name, in the Western country." The Institution was the creation of a group of earnest men who in 1830 had formed the Ohio Baptist Education Society. These founders were men of deep religious convictions; they saw the need of an educated ministry but they envisaged a college which should have more than the training of ministers as its purpose. Their spirit was Christian rather than narrowly sectarian; the college has grown on this tradition.

In 1832, the next year after the founding of the institution for young men, a private school for young women was organized. Mr. Charles Sawyer, a merchant of Granville, was instrumental in its establishment by erecting two buildings for the school on the present lower campus. After existing more than fifty years as a private enterprise and being firmly established eventually by Dr. D. Shepardson, this school was turned over to the Baptist denomination in 1887 and affiliated with Denison. In honor of its donor, a zealous advocate of women's education, the new department was called Shepardson College for Women. An endowment was raised for its maintenance. In 1900 a closer union of the two institutions was formed by the co-ordination of Shepardson College with Denison University. Eventually the incorporation of Shepardson College with the University was effected by a change of charter in 1927. Thus Shepardson College ceased to exist as a separate institution and was merged with the University.

*For a complete history of the institution see *Denison University, A Centennial History*, by Francis W. Shepardson, LL.D. Published by the University, Granville, Ohio.
The women students enjoy the same scholastic advantages as the men of Denison and receive the same recognition on completion of the course.

In 1855 the present site on the hill north of town was secured, and the college was moved to the new location. This was the beginning of more rapid growth. A small endowment fund was raised, and the name was changed to Denison University. The University was fortunate in having in the Faculty and the Board of Trustees men of faith and courage, who brought it successfully through the trying experiences of the early years.

In the period following the Civil War the University grew more rapidly. The endowment fund was doubled, reaching the sum of $100,000, and several buildings were added to the equipment. The curriculum was extended, and faculty and students increased in numbers.

During the last thirty years the University has shared in the general intellectual stimulation and has expanded rapidly in material and scholastic resources. Its standing as one of the strategic institutions of the country has attracted private and public beneficences which have greatly increased its endowment fund and physical equipment. The endowment and other property have more than doubled in that period.

Denison University is maintained and controlled by a Board of Trustees comprised of thirty-six men. See pages 119, 120.

**PRESIDENTS OF DENISON**

<table>
<thead>
<tr>
<th>Period</th>
<th>Name</th>
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<tbody>
<tr>
<td>1831-1837</td>
<td>John Pratt</td>
</tr>
<tr>
<td>1837-1845</td>
<td>Jonathan Going</td>
</tr>
<tr>
<td>1846-1852</td>
<td>Silas Bailey</td>
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<tr>
<td>1853-1863</td>
<td>Jeremiah Hall</td>
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<tr>
<td>1863-1873</td>
<td>Samson Talbot</td>
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<tr>
<td>1875-1879</td>
<td>E. Benjamin Andrews</td>
</tr>
<tr>
<td>1879-1886</td>
<td>Alfred Owen</td>
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<tr>
<td>1887-1889</td>
<td>Galusha Anderson</td>
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<tr>
<td>1890-1901</td>
<td>Daniel B. Purinton</td>
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<tr>
<td>1901-1913</td>
<td>Emory B. Hunt</td>
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<tr>
<td>1913-1925</td>
<td>Clark W. Chamberlain</td>
</tr>
<tr>
<td>1927-</td>
<td>Avery A. Shaw</td>
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</tbody>
</table>

**ACCREDITING**

Denison University is accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting
institution. It was placed on the association's first published list of accredited institutions in 1913. It is recognized and approved by the Association of American Colleges, the Ohio College Association, the Ohio State University, the Ohio State Department of Education, the American Association of University Women, and the American Association of University Professors.

AIM AND IDEAL

Denison University is a Christian college in the sense that all its instruction is motivated by Christian principles. Christianity is accepted as the supreme ideal of life. There is no attempt to force religion into a particular denominational expression and all the advantages of the institution are offered without any religious distinction. Through the chapel observance, the regular services of the local churches and in several student associations a large opportunity is given for religious activities and the development of Christian character.

The courses of instruction are based on the purpose of imparting a liberal training in the arts and sciences. Students are encouraged to build a broad foundation of knowledge, to form an acquaintance with several fields of thought, as a preparation for later specialization. While the entire course is planned for general rather than vocational training, it is found in practice that this procedure gives the best foundation for all kinds of professional careers. Professional schools prefer and in many cases demand it of their students. Provision is made at Denison to prepare students for the professional courses and for a start in many technical employments.

LOCATION AND ENVIRONMENT

Granville, founded among the Licking Hills by colonists from Massachusetts in 1805, has been an educational center for over a century. The natural beauty of the place and the high moral and intellectual quality of life in the village make a permanent impression on the minds and spirits of those who spend their college years in this environment.
The approximate location of Granville in the state of Ohio may be seen from the map on page 4. Its railroad is the Toledo and Ohio Central division of the New York Central Railroad. The Pennsylvania and the Baltimore & Ohio railroads are reached at Newark, county seat of Licking County,—seven miles east of Granville. Connections by bus service can be made with Newark, Delaware, and Columbus. Greyhound busses east and west connect with more distant points.

There are two excellent hotels in Granville: The Buxton Tavern is a comfortable hostelry whose establishment antedates the College; the Granville Inn is an excellent modern hotel, favorably known throughout the state. Under the same management is the Granville Golf Course, a Donald Ross 18-hole course, considered one of the best in the state. Its facilities can be enjoyed by Denison students. Other sports available for small fees are swimming in a new pool within walking distance from the village and horseback riding.

**CAMPUS AND BUILDINGS**

**The Campus**

Denison is fortunate in that her campus is given a beautiful setting by nature. It is situated on a hill, high, yet low enough to be on good terms with its neighbors across the valley. The main section of the campus faces south, looking down on the wooded valley, and to the misty slopes beyond. The campus hill swings around to the north at both ends, forming a giant horseshoe. On the east, the President's home, the chapel, and observatory face the south. One passes them over a brick walk that is lighted by replicas of colonial street lamps to the new section of the women's campus. This includes the hospital and two women's dormitories. These Georgian colonial buildings are in themselves attractive, and they look to the east from a wooded hill. To the west, they look beyond the Deeds athletic field in the valley, to Fraternity Hill. Beyond Fraternity Row is a
natural amphitheatre. Blessed with trees and hills, enriched by shrubs and walks, ornamented with terraces and plantings, the campus, comprising altogether three-hundred and fifty acres, is so laid out that the student is at no time out of sight of beauty.

**Deeds Field**

The athletic field, named in honor of the donor, Colonel Edward A. Deeds, vice-chairman of the Board of Trustees, was dedicated November 4, 1922. The football field occupies a natural amphitheater under the shelter of College Hill. It is in the form of an oval, open towards the east, flanked by a concrete stadium with seating capacity of 6000. The north side of the stadium is constructed so as to enclose a field house, containing dressing-rooms, shower baths, lockers and other accommodations for the players. A cinder track borders the oval, and outside of this are cement walks, with concrete shelters on the north side for visiting teams. The varsity baseball field has been prepared on the lower terrace, and ample space is left on the north side of the campus for other sports. The eastern side has been recently laid out with an oval running track and a hockey field for the women's athletic department. By the development of Deeds Field the ideal of every member of the University enjoying some form of daily exercise is now possible of realization.

**Residence Halls**

**Dormitories for Men**—March and Talbot halls are used in part as dormitories for men. The rooms in Marsh Hall are open to those who are members of the American Commons Club. The upper floors of Talbot Hall accommodate forty men. Rooms in fraternity houses are open to members. Private houses in the village provide satisfactory rooms for many.

**Dormitories for Women**—Sawyer Hall and Mary Thresher Beaver Hall are the new dormitories opened for use in 1926. They are the first buildings to occupy the site of the women's cam-
pup. The two halls, identical in construction, are of the colonial style of architecture. The rooms are en suite and completely equipped. Each hall accommodates 65 students. Burton Hall, King Hall, and Stone Hall, located at the foot of College Hill on the lower quadrangle, facing Broadway, furnish accommodations for one hundred and twenty-eight young women, together with reception parlors, reading rooms, and apartments for faculty women. Parsons House, formerly the chapter lodge of Beta Theta Pi fraternity, and Gilpatrick House, former home of Prof. J. L. Gilpatrick, have been renovated and rearranged for the accommodation of women students. All the halls and houses are supervised under uniform rules by teachers and matrons.

Women’s Dining Halls—The Commons, erected in 1893, is the dining hall for the women students resident on or near the lower campus. Colwell House, former home of an honored professor, is used as a dining hall of the women resident in Sawyer and Beaver Halls. East Cottage and Gilpatrick Hall, each accommodating fifteen to twenty students, are operated on the cooperative basis. The students share the duties of administration and thereby reduce the cost of board.

Academic Halls

Swasey Chapel—College Hill is crowned with this stately edifice, provided by the beneficence of Dr. Ambrose Swasey. It was dedicated April 18, 1924. It is colonial in style, faced with six Ionic columns supporting the portico. The graceful tower is electrically illuminated at night, and contains a chime of ten bells, in memory of Mrs. Swasey. The auditorium has a seating capacity of 1300. Behind a semi-circular screen in the apse is built a three-manual Austin organ. Standing in the center of the group of buildings which the new Denison occupies, Swasey Chapel typifies the supreme place of faith in the educational ideals of the College.
Barney Memorial Hall—This hall was built and equipped for the College by the late Eugene J. Barney, LL.D., of the Board of Trustees, in memory of his father, Eliam E. Barney, who was one of the most generous and devoted supporters of the institution in its early days. Science Hall, as it is familiarly called, dating from 1894, was rebuilt in 1906, after being partially destroyed by fire. The new building is fireproof. It has four floors, consisting of laboratories, lecture rooms, special libraries, and offices, principally for the departments of Physics, Geology, and Engineering Science. It also houses the departments of Education and Psychology. The Library Reserve Reading room is on the second floor.

Doane Administration Hall—This is a gift, in 1894, of the late Dr. W. H. Doane, member of the Board of Trustees. Since 1928 this hall is now wholly devoted to administrative and instructional uses of the College.

The Officers of Administration, including the President, the Dean of Men and Dean of Women, the Registrar, the Bursar, occupy offices on the first and second floors. The third floor, used by the Department of Speech, consists of a large assembly room, seating about 500.

Talbot Hall—The two lower floors of this hall are taken up with class-rooms, laboratories and department offices. The two upper floors are arranged as a dormitory for men.

Cleveland Hall—This Hall was erected in 1904 with funds provided by certain Cleveland benefactors. It represents the care taken for the physical needs of the men students. Swasey Gymnasium occupies the main part of the building. It consists of a large floor for athletic games, a running track, swimming pool and locker rooms. Trophy Room is a commodious hall, adorned with pictures, prizes and other souvenirs of inter-collegiate games. Several rooms are used for instructional purposes.
Chemistry Cottage—The Department of Chemistry is housed in a building with three large, well-equipped laboratories which provide desk space for about 280 students. A large lecture room, a departmental reading room, an office, two private laboratories, balance room, store rooms, and lecture preparation rooms, give ample space for the activities of the department. For courses in Chemistry see page 64.

Doane Gymnasium—The gymnasium for the young women of Shepardson College was donated by Dr. Doane. It is equipped with swimming pool and has a large floor for class athletics and sports.

Swasey Observatory—The Observatory was erected in 1909 through the generosity of Ambrose Swasey, Sc.D., former President of the Board of Trustees. It is of white Vermont marble and is equipped with modern astronomical instruments of the best quality.

Conservatory of Music—The large residence of former Professor A. U. Thresher is used as the main building for the Conservatory of Music. It marks the site of the first Baptist Church built in Granville, in which the college was opened in 1831. For courses in the Conservatory see page 106.

Recital Hall—Adjoining the Conservatory is the Recital Hall arranged for the public musical recitals. It contains a pipe organ and grand pianos, and other equipment for entertainments.

Journalism Center—A frame building near the Main Street entrance to the campus is leased by the college as a center for all Denison publications. It provides offices for the News Bureau, for the Denisonian, and the Adytum, and a classroom for students in Journalism.

Denison Wigwam—This is a temporary structure used primarily for basketball and intramural contests. It has a seating capacity of 1650.
Central Heating and Lighting Plant—The University is equipped with a modern system of electric lighting and hot-water heating located in a central plant adjoining Cleveland Hall.

Whisler Memorial Hospital—This memorial hospital, which came into use in February, 1929, is the gift of Mr. and Mrs. Charles F. Whisler, of Hillsboro, Ohio, in memory of their daughter, Helen, of the class of 1920, who died in 1918. It occupies a secluded site on the slope of Prospect Hill, overlooking the village and the picturesque valley. Built of tapestry brick and Indiana limestone, the hospital is complete and modern in every respect. The normal capacity is 16 patients, with facilities for 28, should occasion require. Modern hospital practice has been followed in detail, giving comfort, cleanliness, quiet and convenience. Provision is made for isolation of contagious cases.

A modern clinic room, a well-equipped kitchen, and eight home-like wards for two patients each make the hospital an excellent health center, where students may come for consultation and for hospitalization, whenever necessary.

Student Health Service

From the tuition and the special hospital fee an amount is set aside partially to cover the expense of the student health service. This is a distinct department of the University and is supervised by the college medical officer and two registered nurses.

All its activities are centered in the Whisler Memorial Hospital. Here is located the college clinic, where students may have unlimited medical attention. The medical officer is available at certain hours for consultation, examination and treatment, when necessary. A trained nurse is on duty at all times.

In case of need each student is entitled to 3 days of care in the hospital, with no additional charge. For periods in excess of this time, a nominal charge of $2.00 per day is made. Only unusual medical or surgical treatment is charged against the student. This includes calls at student rooms, special nurses, or unusual medicines or appliances.
The college medical officer co-operates with both the departments of physical education in the matter of physical examinations, health education and advice, and care of the members of athletic teams.

CHAPEL SERVICES

In recognition of the ideals of the institution and for the cultivation of the community life of the college in a definitely religious atmosphere, services of worship are held in Swasey Chapel on Monday and Wednesday throughout the year. Assemblies are held in Doane Assembly Hall for women on Tuesday and for men on Thursday throughout the year and for freshmen on Friday during the first semester. Attendance is required of all students.

Vesper Services—During the college year a vesper service is held once a month on Sunday afternoon in Swasey Chapel. Notable preachers of the country are the speakers, with messages appropriate to college students. Attendance at these services is voluntary, but large numbers have found them occasions of rare inspiration.

Week of Prayer—"The week of prayer" is observed each year, usually in February, under the direction of the two Christian Associations. An outside speaker of national reputation addresses the student body for three days at chapel, at special evening services and in smaller discussion groups. The speaker in 1934 will be Rev. Theodore F. Adams, '21, of Toledo.

LECTURES AND CONCERTS

In co-operation with the Granville Festival Association a series of concerts and lectures are arranged to which all students are admitted without further charge upon presentation of their Student Activity Ticket. During the year 1933-34 the following were heard: Lloyd Douglas, author, Maynard Williams, explorer,
the Aguilar Lute Quartet, Ray Immel, reading, Anna Hamlin and Floyd Townsley in an operatic concert, Offenbach's "Orpheus", a Harp Duo and an evening of Shakespearean selections. In addition many concerts are given by the Conservatory, and the Festival Association presents Handel's "Messiah" and a Spring Festival. Additional lectures are presented during the year by the Scientific Association, Phi Beta Kappa, and other organizations.

PERSONNEL WORK

Personnel work at Denison consists in the collection and filing of personal data on each student for the use of faculty advisers and deans. The data thus gathered serves as a basis for advice to individual students on vocational, personal, and educational matters. The information accumulates throughout the student's life in Denison and may assist in placement when he is ready to leave. At the opening of college individual photographs of new students are made for the purposes of record. Psychological tests are also required of all new students. A cumulative record for each student is kept on which are entered grades, honors, and other such information as may be valuable. Through such means officers and teachers are enabled to bring about a better adjustment between the student and the institution.

GUIDANCE

Denison University employs a program of guidance providing for each student the counsel of personal experience in meeting difficult questions that arise suddenly and are keenly felt by the undergraduate. Each dean maintains regular office hours for individual appointments when the University is in session. Students are urged to confer with them. Each faculty member is willing to give generously of his time to personal consultation, whether for aid in rethinking matters of conduct or for assistance in surmounting defects in previous scholastic training. Students should not fail to seek the acquaintance and help of any officer or teacher. For advice concerning courses of instruction see Student Adviser.
VOCATIONAL GUIDANCE

Guidance in selecting a vocation is so planned as to offer to each student advice most needed about the different occupations. Under the direction of the Faculty Committee on Vocational Guidance opportunities for vocational conferences are made possible. Professional or business men and women are brought to the campus to present the claims of their respective callings. Expert vocational counsellors are invited at times to speak to the student body, and to hold many individual or small-group conferences. Further personal help is regularly available from any teacher, especially heads of departments. Occupational literature may be obtained from them or from the chairman of the Vocational Guidance Committee, with whom students may make arrangements for the taking of aptitude tests.

APPOINTMENTS AND PLACEMENT

The appointment service of the Department of Education aims to give assistance to all seniors who seek teaching positions. In recent years a large percentage of the Denison candidates for teaching positions have been placed. Recommendations are made with great care strictly upon the basis of the personnel records. In accepting a candidate for teacher training Denison does not thereby assure the candidate of placement.

Superintendents and school officials are invited to use the appointment service and to interview prospective teachers at Granville when the University is in session. No fee is charged either candidate or employer. Information may be obtained from Professor E. B. Hawes, Granville, Ohio.

FRESHMAN WEEK

Several days, during the opening week of the college year, are devoted to familiarizing the freshmen with the aims and methods of college work. The program begins with a dinner in the Wigwam, at which the freshmen are the guests of the
University and have the most favorable opportunity of meeting one another and members of the Faculty. Tests of general intelligence and special aptitudes are given. Every effort is made to help the freshman to find his place in the community of students and to plan his course intelligently for the coming four years. All freshmen are expected to be present during these preliminary exercises. For the dates, see University Calendar, page 3.

PHYSICAL EDUCATION FOR MEN

All new students are given a thorough physical examination soon after matriculation. The information thus gained assists in determining the work in physical education prescribed for all men during the first and second years in college. The Denison program in physical education provides such training as will meet hygienic and recreational needs. It offers to each man an opportunity for health rivalry, bodily prowess and good sportsmanship.

The extensive program of intra-mural contests is an important feature in the college. Diversified sports through the year develop interest and skill, build group spirit and Denison loyalty.

In inter-collegiate athletics, Denison is a member of the Ohio Conference. Faculty supervision of athletics is exercised through a Board of Control, a standing committee. For courses in the Department of Physical Education for men see page 90.

Through the Physical Education Department students are offered an opportunity to develop administrative and executive abilities by becoming student managers of the various varsity teams. As recognition a varsity letter award and membership in the "D" association may be earned by seniors.

PHYSICAL EDUCATION FOR WOMEN

Physical education is required of all students during the first two years. At the opening of college the entering student is given a complete physical and medical examination. The information
thus gained determines the sports and games in which a student may participate. For further details and also for courses in the Department see page 92.

The Women's Athletic Association in cooperation with the Department of Physical Education for Women conducts interclass and other intramural contests and tournaments in all games and sports. In addition to these organized activities the Athletic Association in conjunction with the Outing Board makes an attempt to meet the recreational needs of the students through its offerings in the more individualized types of activity, such things as skating, skiing, hiking in the open air and such indoor games as ping-pong, shuffle board, etc.

The Athletic Association owns and operates a cabin in the Welsh Hills which serves as a center for outing and campcraft work. Every other year a course in camp leadership is conducted by an authority on summer camping who comes in from the outside. This does a great deal to place students in summer camp positions.

The Women's Athletic Association is a member of the Athletic Federation of College Women, a national organization organized for the purpose of furthering athletic and recreational interests of college women. Membership is also maintained in the Ohio Conference of Athletic Associations.

STUDENT LIFE AND ORGANIZATIONS

A large number of organizations are maintained by the students. According to their general purpose they are divided into five groups: administrative, religious, literary-dramatic, musical, and social. In so far as they represent the College in any public way, these organizations are mainly under the direction of Boards of Control, or of Faculty advisers.

1. ADMINISTRATIVE

The government of students in matters relative to their own interests, rests in the hands of the two student associations. These
associations were organized under the authority of the Board of Trustees and the Faculty of Denison University. All regular students are members with full membership privileges. The executive powers are vested in the student councils of the two associations and in the joint council for matters pertaining to students of both colleges.

2. RELIGIOUS

The Christian Associations (the Y. M. C. A. and the Y. W. C. A.) are directed by the "Y" cabinets, composed of student and faculty members. These associations carry on various activities for the religious and social welfare of the students.

The Freshman "Y" is a branch of the general organization, aiming to bridge over the gap between high-school and college.

The Student Fellowship for Christian Life Service is composed of students preparing for some line of definite Christian work.

3. LITERARY-DRAMATIC

The Franklin and Calliopean Literary Societies, dating back to the early days of the College, are perpetuated by the Franco-Calliopean Society, whose meetings are devoted to the study of literature.

Tau Kappa Alpha, a national honorary fraternity, has in its membership students who show excellence in public speaking. Several debates with other colleges are held each year, under the guidance of the Board of Control of Debate and Oratory and the Department of Speech.

During recent years debates have been held with Ohio University, Cincinnati University, Miami University, Ohio Wesleyan, Bucknell, and the American University, in Washington D.C.

Two regular publications are carried on by Denison students: The Denisonian, a weekly newspaper, and the Adytum, the college annual.
Masquers is the dramatic organization in Denison. Its membership is made up of those who show proficiency in acting and play production. Each school year tryouts are conducted for all who wish to develop their histrionic talent. From the successful contestants such plays as *Success* by Milne, *Escape* by Galsworthy, *Holiday* by Philip Barry, and *Twelfth Night* are cast and produced. Admission to all Masquers plays is included in the Student Activity Fee.

4. MUSICAL

The Denison Glee Club, the Shepardson Glee Club, the D. U. Band, the University Orchestra, the Engwerson Choral Society, and the chapel and church choirs furnish large opportunity for the training of musical talent. (For fuller description see below, Conservatory of Music, p. 110, 111).

SOCIAL

FRATERNITIES AND SORORITIES

The following national and local fraternities and sororities are represented at Denison. These groups have Faculty advisers and are partly under the direction of the Pan-Hellenic Council of Alumni and undergraduate membership. Within each group the chapters are listed in order of founding.

Fraternities

Sigma Chi, Mu chapter, 1868  
Beta Theta Pi, Alpha Eta chapter, 1868  
Phi Gamma Delta, Lambda Deuteron chapter, 1885  
Kappa Sigma, Gamma Xi chapter, 1911  
Phi Delta Theta, Ohio Iota chapter, 1915  
American Commons Club, Denison chapter, 1917  
Lambda Chi Alpha, Gamma Iota chapter, 1919  
Sigma Alpha Epsilon, Ohio Mu chapter, 1919  
Beta Kappa, Alpha Iota chapter, 1930.
Fraternities

Sororities

Chi Omega, Delta Gamma Chapter, 1928
Kappa Alpha Theta, Beta Tau Chapter, 1929
Delta Delta Delta, Delta Chi Chapter, 1929
Kappa Kappa Gamma, Gamma Omega Chapter, 1929
Alpha Phi, Beta Kappa Chapter, 1930
Alpha Omicron Pi, Alpha Tau Chapter, 1930
Alpha Xi Delta, Beta Delta Chapter, 1931

Professional Fraternities

Music

Phi Mu Alpha, Nu chapter, 1912
Delta Omicron, Delta chapter, 1915

Forensics

Tau Kappa Alpha, 1924

Classics

Eta Sigma Phi, Zeta chapter, 1926

Journalism

Pi Delta Epsilon, 1929

History

Phi Alpha Theta, Theta chapter, 1928

Spanish

Sigma Delta Phi, Phi Chapter, 1931

Leadership

Omicron Delta Kappa, Alpha Mu circle, 1933

Honorary

Cap and Gown (Senior women)
Alligators (Senior men)
Crossed Keys (Junior women)
Blue Key (men)
“D” Association (athletic)
The Denison Scientific Association, organized by the late Professor Clarence Luther Herrick in 1887, is not only the oldest departmental organization but also is the most inclusive in its activities and interests. The Association publishes the *Journal of the Scientific Laboratories*, founded by C. L. Herrick. Its merit is recognized by learned societies in all parts of the world, many of whom receive the *Journal* in exchange for their own publications. By this means the Association has built up a valuable collection of scientific works from the leading scientific societies of our own and other countries.

The Association holds bi-weekly meetings, open to all, at which lectures and reports of investigations on current scientific topics are presented by professors of Denison and other institutions. Faculty and students are thus made acquainted with the progress of science in many fields.

Departmental societies, sharing similar aims with the Scientific Association and co-operating with it, are maintained by nearly all of the departments of instruction. Their object is to encourage investigation of topics that are allied to the courses of instruction and are of special interest. Faculty and students participate in the discussions.

**HOME-COMING DAY**

The fall holiday for alumni is Home-Coming Day. One of the important football dates in mid-autumn is thus designated. In addition to the game there is on the preceding Friday evening the Alumni Round Table. On Saturday evening social groups have dinners for alumni and guests, followed by the Home-Coming Dance. In 1934 the Denison Home-Coming Day will be observed on October 27. On the Sunday following a Vesper service will be held in Swasey Chapel at four o'clock.
DAD'S DAY

One day in the fall is set aside as Dads' Day. For this occasion the parents of Denison students are especially invited to come to the campus for a week-end. It is always held in connection with one of the important football games. Following the game a reception to parents is held by the students and faculty. November 16, 1934 will be observed as Dads' Day.

MOTHERS' DAY

Since 1920 a Sunday in May, usually the second, has been commemorated as Mothers' Day. This week-end is looked forward to by the student body because of the beauty and character of the occasion. Musical and dramatic performances enhance the program. Ceremonies in connection with the crowning of a May Queen draw a large audience on Saturday morning. The Mothers' Day Vesper Service is addressed by the President of the University.

SCHOLASTIC AWARDS

1. PHI BETA KAPPA

The Phi Beta Kappa Society was founded more than one hundred and fifty years ago for the purpose of recognizing and encouraging scholarly pursuits among college students. The chapter at Denison, known as Theta of Ohio, was instituted in January, 1911. New members are elected each year, principally from the seniors, but a few from the juniors, those who have the highest standing in scholarship in their respective classes.

The Phi Society was organized by the Phi Beta Kappa to encourage scholarship among the members of the freshman class. Membership is gained by winning 56 scholastic points in the freshman year.
2. Honors

1. Annual Honors. Annual honors are awarded at the end of each year to the members of each class according to the following standard: not less than twenty-four hours of A grade, the remainder not lower than B grade. The total number of hours for the year shall not be less than thirty-two except when courses 111, 112, 211, 212 in Physical Education are being taken, in which case the total number of hours exclusive of these courses should not be less than thirty. Grades made in the required courses in physical education are not to be counted in competing for Annual Honors.

2. General Honors. General Honors are awarded at graduation only, according to the following standard: Ninety-three or more hours of A grade, the remainder not lower than B grade. Grades made in Physical Education 111, 112, 211, 212, are not to be counted in competing for General Honors.

3. Departmental Honors. Departmental Honors are awarded at graduation only, to those who have obtained a standing of A in one or more departments in courses amounting to not less than twenty-four semester hours, provided that there shall have been no grade less than B in any other courses which may have been taken in the department. In Modern Languages no first-year courses may be counted for departmental honors.

4. Special Honors. Special Honors are awarded at graduation only, according to the following plan: Any regularly classified student who has maintained an A rank in not less than half of his work during five successive semesters of the freshman, sophomore, and first half of junior years, and who has not fallen below C in any single study may with the consent of the faculty be enrolled as a student for honors in some selected department of study.

Application for such enrollment shall be made prior to the spring vacation of the junior year. If the application be granted the professor in charge of the department selected shall assign work to the applicant substantially equal in amount to a three hour course for the year.

The student shall be examined on this work prior to the spring vacation of the senior year. The examination shall be conducted under the direction of the professor in charge, assisted by some other member of the faculty to be appointed by the president, and in addition to the special assignment the examination shall cover, in a general way, all other work which the applicant has taken in the same department.

During the interval between enrollment for honors and examination the student must make an A rank in all work done in the department to which
his special study belongs, and must not fall below B in any other department. He must also maintain an unblemished record in the department.

Work done for Special Honors must not be elementary in its character and in no case shall it be the only work done in the department in which it is taken. Advanced elective courses already offered may be utilized as honor courses, or special topics may be assigned to suit individual cases but in no case shall work upon which special honors are bestowed be counted as any part of the student's requirements for his degree.

All honors duly earned shall entitle the student to have his name placed upon the records of the University with the statement of the Honors which he has received, the fact may be engrossed upon his Diploma, shall be announced on Commencement Day, and published in the Annual Catalogue.

3. Rhodes Scholarship

Men who have completed their sophomore year at Denison University are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of $2000 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra-curricular activities. Further information may be obtained from the Secretary of the Rhodes Scholarship Committee of Selection for Ohio, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

4. Prizes

1. The Lewis Literary Prize Contest. These prizes were given to the Franklin and Calliopean literary societies by Mr. Charles T. Lewis, former president of the Board of Trustees, and are now continued by his sons Howard Lewis and Frank Lewis of the classes of 1900 and 1902, respectively. During recent years the prizes have been given for excellence in extempore speech. Competition is open to men students.

2. The Samson Talbot Bible Reading Contest. This is an endowed prize for the best reading of Scripture and is open to seniors and juniors. The prizes are $40 and $20 respectively.

3. The Gilpatrick Scholarship. This is endowed by a fund contributed through the Society of the Alumni by former students
and friends of Professor John Lord Gilpatrick. It is open to seniors and is awarded annually by the faculty upon the basis of excellence in mathematics.

4. The Harmon Freshman Latin Prize. Established by former Governor Judson Harmon, of the Class of '66, and continued in his honor by his daughters, is awarded annually for excellence in Freshman Latin. The award, a sum of $25.00, is made on the basis of a competitive examination near the end of the year.

5. The Woodland Prizes in Chemistry. J. Ernest Woodland, '91, bequeathed to the University, in honor of his father, William Henry Woodland, the sum of $5000 for the establishment of two annual prizes: $150 for the best, and $50 for the second best original thesis on some phase of Chemistry in its relation to everyday industrial life. Conditions of the competition are announced each September by the department of Chemistry.

6. The Freshman Chemistry Prize. A prize of $25. is offered to the student making the best record in Chemistry 111-112.

Methods and Terms of Admission

Students are admitted to Denison University either by presenting a certificate from an approved high school or preparatory school, or by taking an examination. Certificates are acceptable from schools which are approved by State Superintendents of Public Instruction, or by regional accrediting agencies such as the North Central Association of Colleges and Secondary Schools. Applicants for admission must present evidence of good moral character, and the act of registration is regarded as an agreement on the part of the student to abide by all college regulations. The certificate blank and application for admission blank may be obtained upon request from the Office of the Registrar, Denison University, Granville, Ohio.
ADMISSION

1. BY CERTIFICATE

Applicants for admission to the freshman class must present an official certificate from the high school or preparatory school, and an admission blank properly filled out. Graduates of approved preparatory schools are credited with their certified preparatory work without examination in so far as such work agrees in quality and quantity with the admission requirements of the university. The certificate and admission blank should be filed in the Office of the Registrar as early in the year as possible and not later than two weeks before the opening of the respective semesters.

Applicants for admission with advanced standing as a transfer from another college must present an admission blank properly filled out, and an official transcript from the college previously attended, together with a letter of honorable dismissal. The transcript must contain a detailed statement of the college credit already earned and a list of the preparatory school units presented for admission.

Women students must deposit a fee of ten dollars ($10.00) when making application. This fee is for room reservation in the women's residence halls and is credited on the room rent if the room is subsequently occupied by the applicant. It is not returnable after September first if the student has been accepted for admission.

2. BY EXAMINATION

Applicants for admission who are not graduates of approved preparatory schools may present themselves for examination in the subjects required for admission to the freshman class. Examinations will be given on September 11, 12, 1934.

It is recommended that such candidates for admission take the examinations set by the College Entrance Examination Board, at any of the several cities where they are offered. Applications should be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., before May 21, 1934 for those living in the United States or Canada, and before April 23, 1934 for those living elsewhere.
ADMISSION REQUIREMENTS

Fifteen units completed in an approved secondary school and distributed as indicated below are required for admission. No student is admitted to freshman rank who has not completed at least fourteen units. A unit is defined as a year’s course of study in a given subject, with 4 or 5 forty-minute periods of recitation per week. Two periods of laboratory work are counted as the equivalent of one period of recitation. Students may be admitted with twelve units from a “senior high school” (grades X, XI and XII) provided that the subjects taken in the senior high school together with the work done in the junior high school satisfy the subject requirements as listed below.

1. The following 9 units are prescribed for all:
   - English, 3
   - History, 1
   - Algebra, 1
   - Laboratory Science, 1 (Biology, Botany, Chemistry, Physiology, Physics, Zoology)
   - Plane Geometry, 1
   - the same language, preferably Latin
   - Foreign Language, 2 (in)
   - the same language
   - Dramatics, 1 or Public Speaking, 1
   - Latin, 4
   - Greek, 4
   - French, 4
   - German, 4
   - Spanish, 4
   - History and Civics, 4
   - Mathematics, 3½ (Algebra, Geometry, and ½ unit Trigonometry)
   - Botany, 1

2. At least three additional units must be selected from the following subjects, the number indicating the maximum number of units that will be accepted in any subject:
   - English, 4 (may include Dramatics, 1 or Public Speaking, 1)
   - Latin, 4
   - Greek, 4
   - French, 4
   - German, 4
   - Spanish, 4
   - History and Civics, 4
   - Mathematics, 3½ (Algebra, Geometry, and ½ unit Trigonometry)
   - Botany, 1

   - Chemistry, 1
   - Physics, 1
   - Physiology, 1
   - Zoology, 1
   - General Science, 1 (does not satisfy laboratory science requirement in No. 1 above)
   - Bible, 1
   - Theoretical Music, 1
   - Economics, ½
   - Psychology, ½
   - Sociology, ½
3. Not more than three units may be presented from the following subjects, the number indicating the maximum number of units that will be accepted in any subject:

- Mechanical Drawing, 1
- Freehand Drawing, 1
- Domestic Science, 1
- Stenography, 1 (no credit for less than 1 unit)
- Applied Music, 1
- Manual Training or Shop Work, 1

- Commercial Law, 1
- Commercial Geography, 1
- Physical Education, 1
- Bookkeeping, 1
- Agriculture, 1
- Art, 1
- Commercial Arithmetic, \( \frac{1}{2} \)
- Business English, \( \frac{1}{2} \)

**Provisional Admission**

Graduates of approved preparatory schools who lack not more than 2 of the units prescribed for admission (No. 1 above) may be admitted provisionally. A student thus admitted is required to make up the deficiency within the first two years of residence, by taking college courses in the subjects lacking, or by taking those subjects in an approved summer school. One year of college work (6-8 semester hours) in a subject is required to make up one unit of deficiency.

**Excess Entrance Credit**

Application for excess entrance credit must be made at the time of matriculation and documentary evidence of the same presented at that time. All such credit, if allowed, is provisional upon the student's maintaining a prescribed high standard of scholarship during the year. No excess entrance credit is allowed for high school work, unless at least one semester more than four years has been spent in the secondary school; when allowed, it shall never represent more than fifty per cent of the school credit, and the maximum is ten semester hours.
Students who have completed a part of their course at other colleges may apply for admission with advanced standing. They must present an official transcript of their college record from the college previously attended, together with a letter of honorable dismissal. The transcript must contain a detailed statement of the college credit already earned, and a list of the preparatory school units presented for admission. Credits from standard colleges are accepted without examination so far as they favorably correspond to the courses at Denison. Classification is based on the number and quality of credits accepted, subject to revision after the first semester in residence. Any of the requirements specified for graduation at Denison and not satisfactorily completed at the college previously attended must be taken during the first semester or year of residence. Students admitted with advanced standing may become candidates for degrees only after the completion of all specified requirements for graduation, and at least one year in residence.

REGISTRATION OF STUDENTS

Students will present themselves for registration at the days assigned for that purpose. (See University Calendar on page 3 of this catalogue). Otherwise a fee of $5.00 is charged for late registration.

ADVISERS

If the student's application indicates that he is interested in some particular department, the head of that department becomes his adviser regarding his course of studies. If not, he is assigned to a general adviser for the first registration. Toward the close of the freshman year, after consultation with the respective Dean, the student makes a choice of the department in which he expects to do his major work and the head of this department becomes his adviser and must be consulted at each subsequent registration. Toward the close of the sophomore year the choice of department for major work becomes permanent.
The following courses are required of all candidates for degrees: English 111-112, Physical Education 111-112, and one of the following year courses: Greek 111-112, Latin 101-102, 111-112, Mathematics 113-114, 115-116, 119-120, 121-122. None of these courses may be deferred later than the freshman year except with the consent of the Registrar on recommendation of the head of the department concerned.

The freshman schedule, in addition to the subjects mentioned in the preceding paragraph, will be determined by the student in consultation with his adviser from the following subjects:

Art 101, 111, 112, 121, 122
Astronomy 101-102, 111-112
Botany 111-112, 113-114
Chemistry 109-110 (women only) 111-112, 113-114, 115-116
Economics 102
Educational Science 101, 111, 115, 116
French 111-112, 211-212, 221
German 111-112, 211-212
Geology 101, 111-112, 121-122
Greek 101, 102, 111-112
History 111-112
Latin 101-102, 111-112
Mathematics 113-114, 115-116, 119-120, 121-122
Music 101-102, 103-104
Physics 111-112, 113-114
Religion 111-112, 115, 116
Spanish 111-112, 211-212
Speech 111-112
Zoology 111-112, 113-114

Additional Regulations

Normal Registration. The average number of credit hours is 16, estimated as 1 credit for 1 hour recitation period or 2 hours laboratory period per week during the semester, to complete the requirement of 128 credit hours for graduation. This is the amount recommended for students in all classes, to secure best results.

Excess Registration. More than 16 hours is excess and cannot be allowed except by consent of the Registration Committee according to definite regulations of the Faculty. To register for 17 hours the student must have accumulated 21 points in the preceding semester, with no mark below passing; to register
for 18 hours he must have accumulated 25 points in the preceding semester, with no mark below passing. A schedule of 17 hours including Physical Education 111-112, or Music 103-204 (ensemble) will not be interpreted as excess registration, nor will points acquired in these specific courses be counted toward meeting excess requirements. A fee of $5.00 shall be charged for each registered hour in excess of 18. Without special permission from the Dean's office, 13 credit hours shall be the minimum amount of registration.

Changes in Registration. Ordinarily no changes are allowed in registration after the registration card has been filed with the Registrar. For every change that is allowed, a fee of $1.00 will be charged, unless remitted by the Registrar for satisfactory reason.

Late Registration. All students must complete their registration and settle with the Bursar on the days set apart for this purpose. Failure to do so will be counted as late registration entailing a special fee of $5.00.

Dropping Work. Work for which the student has once registered cannot be dropped except by formal permission secured through the office of the Registrar. A course abandoned without such permission, likewise (under certain conditions) a course in which the student is failing, will be counted as a failure and so recorded on the permanent record.

Withdrawal. Students who find it necessary to leave the University before the close of a semester, should report to the Dean and receive withdrawal cards. This card is then presented to the Registrar, who completes the withdrawal.

Chapel. All students are required to attend regular exercises in Swasey Chapel, and also college assemblies. Excessive absences from these exercises entail a loss of scholastic credit. Details are printed in the Rules and Regulations pamphlet.

Extra-curricular Activities. All members of organizations representing the University must have passed in at least 12 hours during the preceding semester and earned at that time 12 points.
No other students are permitted to take part in the following activities: intercollegiate athletics, glee club concerts, performances of the Masquers, intercollegiate debates, band concerts; or to be on the staff of the Denisonian or Adytum, or to hold office in the Student Government, Y. M. C. A. or Y. W. C. A.

**Student Schedules:** As a part of registration procedure on Thursday of Freshman Week each new student will make out a schedule of studies or courses. Blank forms similar to those printed below are used. In these sample schedules there are four courses, all of which satisfy Freshman requirements. The subjects below are chosen solely to illustrate the distribution of class hours. Every student schedule must be approved by a faculty adviser before it is accepted by the Registrar.

**SAMPLE SCHEDULES**

**First Semester**

<table>
<thead>
<tr>
<th>Department</th>
<th>Course No.</th>
<th>Hrs.</th>
<th>Cr.</th>
<th>Period</th>
<th>M.</th>
<th>T.</th>
<th>W.</th>
<th>T.</th>
<th>F.</th>
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</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>111</td>
<td>4</td>
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<td>I</td>
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<td>x</td>
<td>L</td>
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<td>L</td>
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<tr>
<td>Mathematics</td>
<td>115</td>
<td>4</td>
<td></td>
<td>II</td>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>English</td>
<td>111</td>
<td>3</td>
<td></td>
<td>IV</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Spanish</td>
<td>111</td>
<td>4</td>
<td>VIII</td>
<td>VI</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Physical Education</td>
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<td>16</td>
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**First Semester**

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<th>Department</th>
<th>Course No.</th>
<th>Hrs.</th>
<th>Cr.</th>
<th>Period</th>
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<td>English</td>
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<td>II</td>
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</tr>
<tr>
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<td>VIII</td>
<td>III</td>
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<tr>
<td>Zoology</td>
<td>111</td>
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<td>VI</td>
<td>L</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<tr>
<td>Music</td>
<td>103</td>
<td>1</td>
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<td>Arr.</td>
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<tr>
<td>Physical Education</td>
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<td>16</td>
</tr>
</tbody>
</table>

x—Recitation        L—Laboratory        Arr.—Hours to be arranged.
For Freshman Standing
No student will be classified as a freshman who is deficient in more than 1 unit of preparatory work.

For Sophomore Standing
All entrance deficiencies must be removed.
At least 24 hours of college work and 26 points (including the required freshman courses in English, Mathematics or Latin, or Greek, and Physical Education.)

For Junior Standing
At least 62 hours and 68 points (including Physical Education 211-212 and all preceding requirements.)

For Senior Standing
At least 96 hours and 105 points, and all preceding requirements.

The Baccalaureate Degree

Requirements

It is expected of candidates for degrees at Denison University that they shall be persons of good character. To secure the A.B. degree the student must satisfy the following conditions: (1) he must meet the specified requirements; (2) he must complete a major; (3) he must meet the group requirements; (4) he must carry a sufficient number of elective courses to bring his total credit to 128 semester hours; (5) his work must conform to certain scholastic requirements; and (6) he must pass a comprehensive examination in his major subject. (For degree of Bachelor of Music see pages 108, 109).

A semester hour of credit is defined as one hour per week of lecture or recitation, or two hours per week of laboratory work, through one semester of 18 weeks.

1. Specified Requirements.
   (a) English, 6 hours to be taken in the freshman year.
(b) Latin or Greek or Mathematics, 8 hours to be taken in the freshman year.

(c) A reading knowledge of some modern foreign language as shown by passing an examination equivalent to that given at the close of the second college year of that language. In case the student takes his major in one of the departments in Group C (below), this language must be French or German unless the adviser makes an exception. Required modern foreign language, when taken, shall be begun in the freshman year, unless specifically excused for pre-professional students.

(d) 1. Physical Education, 4 hours to be taken in the freshman and sophomore years. 2. Hygiene, 2 hours (pp 91, 93), in the sophomore year.

2. Requirements for Major.

The student must select a principal sequence of studies, called a major, in one department of instruction as listed below. This is to consist of at least 24 and not more than 40 hours. Specific major requirements for each department are found under departmental statements. Departments that offer less than 24 hours are allowed to make up that number from other departments, subject to faculty approval.


The departments of instruction are as follows:

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Art</td>
<td>Astronomy</td>
</tr>
<tr>
<td>Greek</td>
<td>Economics</td>
<td>Botany</td>
</tr>
<tr>
<td>Latin</td>
<td>Education</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>History &amp; Gov't.</td>
<td>Engineering Science</td>
</tr>
<tr>
<td></td>
<td>Music</td>
<td>Geology</td>
</tr>
<tr>
<td></td>
<td>(theory and history)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Philosophy</td>
<td>Mathematics</td>
</tr>
<tr>
<td></td>
<td>Psychology</td>
<td>Physical Education</td>
</tr>
<tr>
<td></td>
<td>Religion</td>
<td>Physics</td>
</tr>
<tr>
<td></td>
<td>Sociology</td>
<td>Zoology</td>
</tr>
<tr>
<td></td>
<td>Speech</td>
<td></td>
</tr>
</tbody>
</table>
In addition to the Specified Requirements noted on page 36, 6 hours shall be taken in Group A, 18 hours in Group B, and 12 hours in Group C, but students majoring in Engineering Science may be excused from a total of 8 hours of requirements in Groups A and B together. Of the 18 hours chosen in Group B, 12 hours must be from the following departments: Economics, History and Government, Philosophy, Psychology, and Sociology. The 12 hours in Group C must include one of the following laboratory courses:

Astronomy 111-112 or 211-212
Botany 111-112 or 113-114
Chemistry 101-110 or 111-112
Engineering Science 111, 212
Geology 111-112
Physics 111-112, 113-114 or 111-112, 211-212
Zoology 111-112

4. Electives.

The total of 128 hours for graduation will be made up by adding to the above program such studies as the student may elect with the approval of his adviser.

5. Scholastic Requirements.

All credits to be counted for the major must be “C” grade or above. By the close of the semester previous to graduation, the candidate for a degree must have earned at least 110 semester hours credit and 112 points, and must have paid all University bills including diploma fee.

A student’s class work is graded as follows, with the accompanying point value for each grade:

“A” (Excellent) ———— Earns 2 points per credit hour.
“B” (Good) ———— Earns 1½ points per credit hour.
“C” (Fair) ———— Earns 1 point per credit hour.
“D” (Passing) ———— Earns no points.

“F” is a failure, and in order to receive credit the course must be repeated in class.
A total of 140 points must be earned for graduation.

a. Any student who fails to earn at least six points at any semester report will be denied registration the following semester.

b. A freshman must earn at least 21 points during the year to be eligible for registration the following semester. A freshman who fails to earn at least 9 points during the first semester, or at least 12 points during the second semester, is placed on probation the following semester.

c. A sophomore must earn at least 26 points during the year to be eligible for registration the following semester. A sophomore who fails to earn at least 12 points during the first semester, or at least 14 points during the second semester, is placed on probation the following semester.

d. A junior must earn at least 30 points during the year to be eligible for registration the following semester. A junior who fails to earn at least 14 points during the first semester, or 16 points during the second semester, is placed on probation the following semester.

e. Failure to clear probation at the end of a semester results in denial of registration the following semester.

f. Probation and/or minimum point requirement may be cleared in summer school by earning at least a “C” average in all courses taken in the summer school.

g. The above minimum point requirements are necessary to insure continuous registration in college, but are not to be construed as meeting the average point requirement for graduation, which is 35 points per year.

An “Incomplete”—When a student’s registration in college is affected by an “I” grade upon his record, he must remove this incomplete at least one week before registration to receive credit in the course.
6. **Comprehensive Examination.**

Toward the end of his senior year, the student will take an examination covering all his work in the major subject. This may be followed, at the discretion of the department concerned by an oral conference, and must be passed if the student is to graduate.

---

**Expenses**

Cost of one year; two semesters of eighteen weeks each.

*For Young Women*

1. College charges—one half payable each semester at the Bursar's office:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$225.</td>
</tr>
<tr>
<td>Hospital Fee</td>
<td>10.</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>19.</td>
</tr>
<tr>
<td>Special and Laboratory fees</td>
<td>0. to 30.</td>
</tr>
<tr>
<td>Board</td>
<td>180.</td>
</tr>
<tr>
<td>Room (see page 45)</td>
<td>150. to 200.</td>
</tr>
</tbody>
</table>

$584. to $664

Two Cooperative Houses are in operation where twenty-six girls, by doing their own cooking and housekeeping, are each able to secure board and room for about $190.00 a year.

*The charge for board for the college year 1933-34 is at the rate of $5.00 per week. Rising prices of food may make it necessary to increase this next year, although we hope not.

†*Student Activity Fee:* In return for the payment of this fee the student receives a year's subscription to *The Denisonian*, a copy of the *Adytum*, admission to all athletic contests, to all lectures and concerts on the course sponsored by the University, to all dramatic performances by the Masquers, to all concerts by University glee clubs, orchestra, or band, and to all debates. The fee further includes dues which support student government and class organizations.
2. Estimated Additional Needs

Books and supplies........................................... $20. to $40.
Personal incidentals......................................... 40. to 80.
Social and recreational...................................... 20. to 100.

$664 to $884

For Young Men

1. College charges—one half payable each semester at the Bursar's office:

Tuition ......................................................... $225.
Hospital Fee................................................... 10.
Student Activity Fee (See footnote, p. 40).............. 19.
Special and Laboratory fees............................... 0. to 30.

$254. to $284.

2. Estimated Additional Needs

Board (Fraternities, boarding houses or restaurants).......................... $165. to $216.
Room (Fraternities or private homes in the village)............................ 65. to 108.
Rooms for about 40 young men are available in Talbot Hall at $45 and $50 per year.
Books and supplies........................................... 20. to 40.
Personal incidentals......................................... 20. to 40.
Social and recreational...................................... 20. to 100.

$544. to $788.
In connection with the above figures it is to be noted that clothing and travel expense are not included. Expenditures for personal incidentals and for social and recreational activities of course depend to a great extent upon the home surroundings and habits of the student before he comes to college. The figures given are, we believe, a fair average of actual experience. If a student joins a fraternity or sorority the social expenses including the initiation fee and dues are likely to approach the higher of the two figures given. There is no need for a large allowance of spending money during the college year.

For additional information about rooms see pages 45, 46, 47.

Registration for work in the Conservatory of Music and for certain other courses involves additional fees.

**Extra Charges for Certain Courses**

The fees indicated below are in all cases for a single semester. In some cases the fee is not a fixed amount, but depends upon special circumstances. Such cases are not included in this table.

**Art**—Course 111, 112, 121, 122, and 311: $1.00

**Astronomy**—Course 112: $2.00

212: 2.00

311-312 per credit hour: 1.00

**Botany**—Course 111: $3.00

112: $3.00

113: 2.00

114: 2.00

213: 3.00

214: 3.00

315: 4.00

316: 4.00

317: 4.50

318: 4.50

417: 1.00

418: 1.00

**Chemistry**—

A deposit of $3.00 is required for each laboratory course (except 225-226, 415-416), to cover breakage and use of non-returnable supplies. Additional fees as follows:
## Expenses

### Chemistry—Cont.

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<thead>
<tr>
<th>Course</th>
<th>109</th>
<th>110</th>
<th>111</th>
<th>112</th>
<th>213</th>
<th>214</th>
<th>223</th>
<th>224</th>
<th>225</th>
<th>226</th>
<th>313</th>
<th>314</th>
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<td>7.00</td>
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### Education—

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### Engineering Science—

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<th>101</th>
<th>111</th>
<th>115</th>
<th>212</th>
<th>211</th>
<th>322</th>
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<td>$</td>
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<td>1.00</td>
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<td>2.00</td>
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<td>1.00</td>
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</table>

### Geology—

<table>
<thead>
<tr>
<th>Courses 111 and 112 each</th>
<th>$2.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>All other Courses, each</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

### Music—Courses

113, 114, 213, 214, 201, 202, 221, 222, 313, 314, 331, 332, 301, 302, 311, 312, 441, 442, 451, 452

Two private lessons per week | $50.00
One private lesson per week | $27.50

### Philosophy—Course

326 | $1.00

### Physical Education for Women

Each student taking required work in physical education must pay a $2 laboratory fee each year. One dollar must be paid at the beginning of each semester. A uniform gymnasium outfit is required and is to be purchased in the fall in Granville at a cost of $5.00.
PHYSICS—Course 113 2.00 114 2.00
211 3.00 212 3.00
311 3.00 312 3.00
431 3.00 432 3.00

344 3.00

ZOOGOGY—Course 113 3.00 114 3.00
111, 112, 211, 212, 223, 224, 227, 228 1.25 per hour of credit.

Special Fees

Diploma: Bachelor's Degree, $5.00.

Excess Registration: For conditions and amount, see page 33.

Partial Registration: Students taking less than 10 hours per week will be charged as follows: $8.00 per semester hour, and the special fees for athletics, student activities and hospital service. See exception in Conservatory (page 112).

Late Registration: See page 34.

Examinations: A fee is charged for a special examination: $2.00 in case of a final; and $1.00 for a mid-semester, 1 hour examination.

Payment of Bills

All semester bills are due and payable in full on registration day for the semester. Girls' bills include room and board for the semester. In case a girl or her parents cannot pay the entire bill at the time of registration but can supply in advance satisfactory assurance that full payment can and will be made within sixty days from the beginning of the semester, provisional registration will be granted upon payment of approximately half of the bill, plus a deferment fee of $2.00. Failure to complete payment by the end of the sixty day period brings suspension from college. Reinstatement may then be had only by the settlement of the unpaid balance.
EXPENSES

Semester bills for men do not include board, nor in most cases room rent, and are, therefore, less than half as large as the girls' bills. For this reason the sixty day deferment privilege will not be applicable to such bills.

No student will be permitted to take the final examination in any course or register for another semester's work unless all his College bills due at that time are paid.

All checks should be made payable to Denison University and should be addressed to The Bursar, Denison University, Granville, Ohio.

Refunding of Tuition. All registrations are for an entire semester and no money is refunded to a student who leaves before the end of the semester, with the following exceptions: a college student leaving during the first half of the semester, and regularly dismissed, will pay for the time of his actual enrollment at the rate of $8.00 per week, counting from the first of the semester to the date of withdrawal. The remainder of the tuition charges will be refunded excepting laboratory and other special fees.

Refunding of Board. Women students leaving on regular dismissal before the December vacation of the first semester or the spring vacation of the second, are charged for the number of weeks in residence at the rate of $8.00 per week and the balance of the board bill is refunded. No refund is granted to students leaving after these dates.

Refunding of Room Rent. If a room is vacated for any cause during the semester no rent will be refunded, except that students leaving college during the first three weeks of the semester will be charged only half the semester's room rent.

Women's Dormitories—Rooms are provided for young women on lower campus in Burton Hall, King Hall, Stone Hall, and in Parsons House on the corner of Elm and Mulberry streets at $150.00 per year per person; in Mary Thresher Beaver Hall and Sawyer Hall on the upper campus at $200.00 per year per person. Room reservation may be secured by paying an application fee of
$10.00. This fee is credited on the room rent if the room is subsequently occupied by the applicant. It is not returnable after September 1st if the student has been accepted for admission. No room can be secured for a shorter time than one semester.

The right to occupy a College room is given only to the student to whom the room is assigned and to her room-mate. There shall be no exchanges of rooms or substitution of one occupant for another without the permission of the Dean of Women. For important information concerning admission, see page 29.

Ample lavatories are provided on each floor, which have baths with hot and cold water. Single iron bedsteads, mattresses, springs and rugs are provided in all rooms. All rooms and halls are lighted by electricity and heated by hot water. All bedding and toilet accessories are furnished by the students, whether in dormitories or cottages. Breaking or other damage to furniture of rooms is charged to the occupants.

Gilpatrick House, on the hill, and East Cottage, near the lower Campus, are being used as Cooperative Houses this year. Each house accommodates twelve to fourteen girls and a house mother. Under the supervision of the house mother the girls lay and cook their own food, serve their own meals and do all their own housekeeping. In this way the cost of board and room to each girl has been reduced to about $100.00 per year. Selection of girls for these two houses was made by the Dean of Women. The plan is proving quite successful, and the same or some similar arrangement will probably be made next year.

Men's Dormitory. Rooms for men in Talbot Hall may be secured on application to the Bursar by paying a deposit fee of $5.00 on or before August 1. This fee is credited on the room rent if the room is subsequently occupied by the applicant, subject to the rules and regulations governing the use of dormitories; otherwise it is forfeited. No room can be secured for a shorter time than one semester. The right to occupy a College room is given only to the student to whom the room is assigned and to his assigned room-mate. There shall be no exchanges of rooms
SPECIAL INFORMATION

or substitution of one occupant for another without permission from the Bursar's office. In case permission is given for any change of room within the dormitory, a transfer charge of $2.00 will be made. No student shall at any time take up his residence in a College room without permission from the Bursar. The rent is $45.00 or $50.00 a year for each person, depending upon the location of the room.

Rooms are in suites comprising study room and bed-room (except three single rooms for one person) and are supplied with dresser, bookcase and chairs, single iron bedsteads, mattresses and springs. Bedclothing and towels are provided by the student. The rooms are lighted by electricity and heated by hot water, and are in close proximity to lavatories on the same floor, where shower baths are provided with hot and cold water.

SPECIAL INFORMATION

THE LIBRARY

MISS CRAIGIE, MRS. GROGAN, MISS DAVIS

The University Library is housed in Doane Hall, a building presented by the late Dr. W. Howard Doane in 1879. To date the collection numbers approximately 76,000 volumes, to which were added during the school year 1932-33, 3724 volumes. In addition, the Library is a U. S. Government depository, housing approximately 40,000 government documents and adding about 1600 new titles annually. Periodicals both of special interest to individual departments, and those of more general interest, are subscribed to, a total of 241. Permanent files are kept in the majority of cases, and the journals are later added to the library collection as bound volumes.

The complete collection is on open shelves, accessible to students, faculty, and townspeople alike. Due to lack of shelf room in the main Library, the Classical Language, Modern Language
and the Music collections, and all scientific collections including Mathematics, have been placed in the departments which they serve.

The Reserve Reading Room is located on the second floor of Barney Memorial Hall, in order to release as much seating space as possible in the Main Library.

When the University is in session, the Library is open from 8:30 A.M. until 12:30 P.M.; from 1:30 P.M. until 5:30 P.M.; and from 7:00 P.M. until 9:00 P.M.; daily except Saturday and Sunday. On Saturday, the Library closes at 5:30 P.M.

At least one member of the regular staff is on duty at all times when the Library is open, to assist students in finding needed material. In the Reading Room where required reading only is done, student assistants are in charge.

Denison University Library is one of 81 outstanding college libraries in this country to receive a grant of $15,000 from the Carnegie Corporation of New York for the purchase of books for the Library. Over $10,000 of this amount has already been expended. There remains $5,000 to pay for books being ordered this year. The grant will be completed October 1, 1934.

PREPARATION FOR GRADUATE WORK

Students who contemplate entering graduate schools are urged to give careful attention to their choice of modern languages. In general, such schools require a reading knowledge of French and German on the part of those who wish to proceed to higher degrees. Unless there are urgent reasons to the contrary, we therefore advise all students who have in mind advanced study to take French and German during their undergraduate years. Furthermore, a reading knowledge of Latin is required of many candidates for the Ph.D. degree. Prospective students of theology should take Greek in college.

A student who plans to take advanced degrees should plan with great care the work of the last three years of his course after consultation with his adviser.
PREPARATION FOR PROFESSIONAL SCHOOL

A student who desires to prepare for a definite profession may be helped by the following outlines of courses.

The suggested courses are for guidance only. In accordance with the Denison plan the outlines provide for the breadth of general cultural training which the Liberal Arts degree stands for and suitable preliminary preparation for a given life-work.

FOR BUSINESS ADMINISTRATION STUDENTS

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math or Class. Language</td>
<td>4</td>
<td>Math or Class. Language</td>
<td>4</td>
</tr>
<tr>
<td>English 111</td>
<td>3</td>
<td>English 112</td>
<td>3</td>
</tr>
<tr>
<td>History 111</td>
<td>3</td>
<td>History 112</td>
<td>3</td>
</tr>
<tr>
<td>Geology 101</td>
<td>3</td>
<td>Economics 102</td>
<td>3</td>
</tr>
<tr>
<td>Geology 121</td>
<td>2</td>
<td>Geology 122</td>
<td>2</td>
</tr>
<tr>
<td>Phys. Ed. 111</td>
<td>1</td>
<td>Phys. Ed. 112</td>
<td>1</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>16</td>
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**Sophomore Year**

<table>
<thead>
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<th>Course</th>
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<th>Course</th>
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<tbody>
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<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Lab. Science</td>
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<td>Lab. Science</td>
<td>4-3</td>
</tr>
<tr>
<td>Economics 211</td>
<td>3</td>
<td>Economics 212</td>
<td>3</td>
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<tr>
<td>Government 211</td>
<td>3</td>
<td>Psychology 211</td>
<td>3</td>
</tr>
<tr>
<td>or Sociology 211</td>
<td>3</td>
<td>or Religion 112</td>
<td>3</td>
</tr>
<tr>
<td>or History 221</td>
<td>3</td>
<td>or History 222</td>
<td>3</td>
</tr>
<tr>
<td>or Philosophy 222</td>
<td>3</td>
<td>or Engr. Science 101</td>
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</tr>
<tr>
<td>or Math. 224</td>
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<td>Phys. Ed. 212</td>
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**Junior Year**

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<td>Economics 232</td>
<td>3</td>
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<tr>
<td>Economics 233</td>
<td>2</td>
<td>Economics 234</td>
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<td>Economics 315</td>
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<td>Speech 221</td>
<td>3</td>
<td>History 324</td>
<td>3</td>
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<td>Elective</td>
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</tr>
<tr>
<td></td>
<td>17-18</td>
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<td>18</td>
</tr>
</tbody>
</table>
Pre-Law Students

Students who plan to attend a law school are advised to major in History and Government. In addition to this principal field of concentration, courses in the related departments of Economics and Sociology should be elected. Of great help to the lawyer is training in English, Speech, and Philosophy. The subjects required for graduation e.g. Mathematics, or Classical Language, Modern Language, and Science, contribute to the formation of habits of coherent thinking, accurate observation of facts, and critical judgment. Not specialized courses, but the more general Denison liberal arts course, is recommended for the future lawyer.

FOR PRE-MEDICS

Freshman Year

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<th>Course</th>
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<td>Math. or Class. Language</td>
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<td>Math. or Class. Language</td>
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<td>English 111</td>
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<td>Chemistry 111</td>
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<td>4</td>
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<td>Zoology 111 &amp; 113</td>
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17

17
### Sophomore Year

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<td>Chem. 213 or Zool. 211</td>
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</tr>
<tr>
<td>Physics 111 &amp; 113</td>
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<td>Psychology 211</td>
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<td>Phys. Ed. 211</td>
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</tr>
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### Junior Year

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<tr>
<td>Chemistry 223 or Zool. 223</td>
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<td>Sociology 211</td>
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<td>Psychology 215</td>
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<td></td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 213 or 223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or Zool. 211 or 223</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Chem. 313 or 411</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>(if needed to complete a major in Chemistry)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>8-10</td>
<td></td>
</tr>
<tr>
<td>(preferably languages or Group B, see page 37).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### For Engineering Students

#### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 111</td>
<td>3</td>
<td>I</td>
</tr>
<tr>
<td>English 111</td>
<td>3</td>
<td>III</td>
</tr>
<tr>
<td>Math. 121</td>
<td>5</td>
<td>IV</td>
</tr>
<tr>
<td>Engr. Sci. 111</td>
<td>4</td>
<td>VI &amp; VII</td>
</tr>
<tr>
<td>Phys. Ed. 111</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

#### Hrs. | Period
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 112</td>
<td>3</td>
</tr>
<tr>
<td>English 112</td>
<td>3</td>
</tr>
<tr>
<td>Math. 122</td>
<td>5</td>
</tr>
<tr>
<td>Engr. Sci. 212</td>
<td>4</td>
</tr>
<tr>
<td>Phys. Ed. 112</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total** | 16
### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Period</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 221</td>
<td>5</td>
<td>I</td>
<td>Math. 222</td>
<td>5</td>
</tr>
<tr>
<td>French 111</td>
<td>4</td>
<td>II</td>
<td>French 112</td>
<td>4</td>
</tr>
<tr>
<td>Engr. Sci. 211</td>
<td>4</td>
<td>III</td>
<td>Engr. Sci. 311</td>
<td>5</td>
</tr>
<tr>
<td>Physics 211</td>
<td>3</td>
<td>VI-VII</td>
<td>Physics 212</td>
<td>3</td>
</tr>
<tr>
<td>Phys. Ed. 211</td>
<td>1</td>
<td></td>
<td>Phys. Ed. 212</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

The schedule for junior and senior years will vary according to the branch of engineering the student desires to follow and must be planned by the student conference with his adviser. Chemistry should be taken during the junior year. Other courses usually included in an engineering curriculum, such as Business Law, Chemistry, Economics, Electricity, Geology, Mathematics, Physics, Radio and similar subjects, are available in other departments.

### For Art Students

#### Freshman Year

<table>
<thead>
<tr>
<th><strong>First Semester</strong></th>
<th><strong>Hrs.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 101</td>
<td>2</td>
</tr>
<tr>
<td>Art 111 or 121</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language, or Classical Language</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics, or English 111</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education 111</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Second Semester</strong></th>
<th><strong>Hrs.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 112 or 122</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language, or Classical Language</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics, or English 112</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education 112</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th><strong>First Semester</strong></th>
<th><strong>Hrs.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 111 or 121</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language, or Elective</td>
<td>4</td>
</tr>
<tr>
<td>History 111</td>
<td>3</td>
</tr>
<tr>
<td>Geology 111</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education 211</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Second Semester</strong></th>
<th><strong>Hrs.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 112 or 122</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language, or Elective</td>
<td>4</td>
</tr>
<tr>
<td>History 112</td>
<td>3</td>
</tr>
<tr>
<td>Geology 112</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education 212</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>
Juniors and Seniors should elect advanced courses in Art, six hours each semester, and in addition may elect English, Social Sciences, ancient civilization, etc., to complete their schedules.

*FOR MAJORS IN PHYSICAL EDUCATION FOR MEN

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 111</td>
<td>3</td>
<td>English 112</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Latin, Greek, or Mathematics</td>
<td>4</td>
<td>Latin, Greek, or Mathematics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Zoology 111 and 113</td>
<td>5</td>
<td>Zoology 112 and 114</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Physical Education 111</td>
<td>1</td>
<td>Physical Education 112</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 211</td>
<td>3</td>
<td>English 212</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 211</td>
<td>3</td>
<td>Psychology 321</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 211</td>
<td>3</td>
<td>Sociology 212</td>
<td>3</td>
</tr>
<tr>
<td>Nature &amp; Function of Play (315)</td>
<td>3</td>
<td>Nature &amp; Function of Play (316)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education 211</td>
<td>1</td>
<td>Physical Education 212</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 211</td>
<td>3</td>
<td>Education 212</td>
<td>3</td>
</tr>
<tr>
<td>Zoology 201</td>
<td>3</td>
<td>School Health Problems (344)</td>
<td>4</td>
</tr>
<tr>
<td>Methods &amp; Principles of Teaching (311)</td>
<td>3</td>
<td>Major Sports Technique (222)</td>
<td>2</td>
</tr>
<tr>
<td>General Hygiene &amp; Athletic Training (343)</td>
<td>4</td>
<td>Methods &amp; Principles of Teaching (312)</td>
<td>3</td>
</tr>
<tr>
<td>Electives (Speech or History)</td>
<td>3</td>
<td>Electives (Philosophy)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

*Numbers in parenthesis refer to courses in Physical Education.*
## Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Sports Technique (221 or 223)</td>
<td>2</td>
</tr>
<tr>
<td>Applied Anatomy and Kinesiology (441)</td>
<td>3</td>
</tr>
<tr>
<td>Organization &amp; Administration of Physical Education (235)</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>8-9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15-16</strong></td>
</tr>
</tbody>
</table>

*FOR MAJORS IN PHYSICAL EDUCATION FOR WOMEN*

## Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td>English 111</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Zoology 111 and 113</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Latin, Greek, or Math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Physical Education 111</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

## Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td>English 211</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Zoology 211</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Psychology 211</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Nature &amp; Function of Play (214)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Physical Education 211</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>17</strong></td>
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</tbody>
</table>

## Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td>Education 211</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Hygiene (201)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Elementary Rhythms (323)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Sport's Technique (322)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Methods of Teaching (326)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Electives (Sociology, History Philosophy, etc.)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Second Semester</strong></td>
<td>Principles of Education 212</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Philosophy of the Dance (324)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Sport's Technique (322)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Methods of Teaching (326)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Kinesiology (328)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Physiology of Activity (330)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>14</strong></td>
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</tbody>
</table>

*Numbers in parenthesis refer to courses in Physical Education.*
## OUTLINED COURSES

### SENIOR YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual Gymnastics (411)</td>
<td>Education 416</td>
</tr>
<tr>
<td>Exercise and Health (417)</td>
<td>Organization and Administration of Physical Education (414)</td>
</tr>
<tr>
<td>School Health Problems (415)</td>
<td>The Teaching of Health (416)</td>
</tr>
<tr>
<td>Electives (History, English, Political Science, Sociology, Music, Philosophy)</td>
<td>Electives</td>
</tr>
</tbody>
</table>

**Total:** 15-16

### FOR STUDENTS WHO MAJOR IN EDUCATION

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 111</td>
<td>3</td>
<td>English 112</td>
<td>3</td>
</tr>
<tr>
<td>Math. or Latin</td>
<td>4</td>
<td>Math. or Latin</td>
<td>4</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>History 111</td>
<td>3</td>
<td>History 112</td>
<td>3</td>
</tr>
<tr>
<td>Botany 111</td>
<td>3</td>
<td>Botany 112</td>
<td>3</td>
</tr>
<tr>
<td>Phys. Ed. 111</td>
<td>1</td>
<td>Phys. Ed. 112</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total:** 18

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 211</td>
<td>3</td>
<td>Psychology 321</td>
<td>3</td>
</tr>
<tr>
<td>Education 211</td>
<td>3</td>
<td>Education 314</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Phys. Ed. 211</td>
<td>1</td>
<td>Phys. Ed. 212</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>5-6</td>
<td>Elective</td>
<td>5-6</td>
</tr>
</tbody>
</table>

(preferably in English, Science or Sociology)

**Total:** 18

#### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 411</td>
<td>3</td>
<td>Education 212</td>
<td>3</td>
</tr>
<tr>
<td>Special Methods</td>
<td>2</td>
<td>Education 318</td>
<td>2</td>
</tr>
<tr>
<td>Sociology 319</td>
<td>4</td>
<td>Philosophy 224</td>
<td>3</td>
</tr>
<tr>
<td>Speech 111</td>
<td>3</td>
<td>Speech 112</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>5-6</td>
<td>Elective</td>
<td>5-6</td>
</tr>
</tbody>
</table>

(preferably in Major Subject)

**Total:** 18

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 415</td>
<td>4 (Student Teaching) or Education 416</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>10-12</td>
<td>Electives</td>
<td>10-12</td>
</tr>
</tbody>
</table>
JOURNALISM

It is agreed by the best newspaper men in the country that students in college can make most satisfactory progress toward a journalistic career by following a well-balanced Liberal Arts course. Journalistic technique should not be stressed. Strong emphasis should be placed upon subjects dealing with those affairs about which a writer must be able to report and comment intelligently.

No adequate outline for a purpose so general could be given here. The following suggestions can be offered. In the freshman year the courses are largely required: English, Modern Language, Latin or Greek for language foundation, (Mathematics may be substituted), Physical Education, Laboratory Science. During the next three years, in addition to the course offered in news-writing and editing, courses should be chosen to meet graduating requirements, preferably in English, history, government, economics, sociology, psychology, philosophy, religion, and art.

In the choice of studies the future journalist should consult freely with his adviser or some other teacher who knows the student's aptitudes.

EXTENSION COURSES

A limited number of extension classes are conducted in Newark and other neighboring localities from time to time. Each class meets for a two-hour period on one evening in the week during a semester and carries a two-hour credit.

Being away from the campus and not enjoying the facilities accessible to regular college students, members of these classes are charged less than the regular tuition fee. Each class must consist of at least ten students.

For further information write to Dean F. G. Detweiler, Granville, Ohio.
STUDENT ADVISERS

FOR STUDENTS MAJORING IN

Art
Astronomy
Botany
Chemistry
Classical Languages
Economics
Engineering
English
Geology
History and Government
Mathematics
Modern Languages
Music
Philosophy
Physical Education for Men
Physical Education for Women
Physics
Psychology
Religion
Sociology
Speech
Zoology

Professor Horace King
Professor Biefeld
Professor Stickney
Professor Ebaugh
Professor Dean
Professor Gordon
Professor Greenshields
Professor J. I. King
Professor Wright
Professor Utter
Professor F. B. Wiley
Professor Chamberlin
Professor Eschman
Professor Titus
Professor Livingston
Professor Barr
Professor Smith
Professor Lewis
Professor Stewart
Professor Detweiler
Professor Crocker
Professor Lindsey

FOR STUDENTS INTERESTED IN

Business Administration
Law
Journalism
Pre-Medicine
Teaching
Vocational Guidance
Graduate Study

Professor Gordon
Professor Roden
Mr. Whidden
Professor Lindsey
Professor Hawes
Professor Lewis
Major Subject Adviser
Departments and Courses of Instruction

The departments of instruction are listed in alphabetical order. Courses of instruction are listed with the descriptive title, general outline, period of recitation, and semester hours of credit. The number of the course indicates the year in the curriculum for which the courses are primarily intended, 100-199 for freshmen, 200-299 for sophomores, etc. In general, the odd-numbered courses are given in the first semester, and the even-numbered ones in the second semester, unless otherwise stated. The Roman numeral indicates the period in the daily schedule at which the class meets, and the Arabic numeral indicates the semester hours of credit given for the course.

Four-hour courses at periods I and II meet on Monday, Tuesday, Wednesday, and Thursday; at all other periods, on Tuesday, Wednesday, Thursday and Friday. Three-hour courses at periods I and II meet on Monday, Wednesday and Friday; at periods III and IV, on Monday, Tuesday and Thursday; at periods VI and VII, on Tuesday, Thursday and Friday. Two-hour courses at the respective periods meet on the days omitted in the three-hour schedule, unless otherwise stated. The half-hour from 10 to 10:30 A.M. is reserved for chapel and assembly periods.

<table>
<thead>
<tr>
<th>Period</th>
<th>4-hour courses</th>
<th>3-hour courses</th>
<th>2-hour courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>I and II</td>
<td>M Tu W Th</td>
<td>M W F</td>
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3-hour courses meet every day. 1-hour courses are arranged.
MR. KING, MR. DEAN, AND OTHERS

The two fold aim of the Department of Art is general culture by self expression in art and the technical preparation for the professional fields of painting, design, teaching, architecture, home planning, advertising and the allied arts.

The elementary courses are open to all students who wish to include appreciation and achievement in art as a portion of their general cultural background.

Students who intend to major in Art may find suggested outlines for specialization in the Art and Home Planning bulletins. Those who elect Art Education with a view toward teaching should consult with the Department of Education for a proper sequence of courses.

101. APPRECIATION OF ART. A course designed to give the layman an intelligent appreciation of architecture, sculpture, and painting with special emphasis on the importance of the historical development of the European traditions. Outstanding examples and personalities are presented for study and critical discussion. Open to all students. Two illustrated lectures per week; first semester.

111. ELEMENTARY FREEHAND DRAWING. A technical course in the principles and practice of expression by freehand drawing with special regard for facility and directness. Emphasis on proportion, perspective, and values in monochrome. Three two hour laboratory periods per week. Fee, $1.00.

112. ADVANCED FREEHAND DRAWING. Drawing from still life and the antique as a means of expression emphasizing the various possibilities and limitations of the black and white medium, with problems in original composition and pictorial organization. Three two hour laboratory periods per week. Prerequisite, 111. Fee, $1.00.

121. ELEMENTARY DESIGN. The principles of pure design and art structure with practice in the presentation of organic design problems. The introduction of color theory, harmony, and application in elementary problems. Three two hour laboratory periods per week. No prerequisite. Fee, $1.00.

122. ADVANCED DESIGN. Special problems in design, theory and presentation. Metals, stone, wood, ceramic, textiles, and combined materials
are considered for decorative and structural elements. Emphasis on the possibilities and limitations of the various media. Three two hour laboratory periods per week. Prerequisite, 121. Fee, $1.00. I-II, 3. Mr. King.

205. HISTORY OF ANCIENT AND MEDIEVAL ART. A study of the history of art, by countries and periods from the earliest times down to 1500. Three illustrated lectures per week with assigned readings and reports. Offered in 1933-34.

206. HISTORY OF RENAISSANCE AND MODERN ART. A continuation of Art 205. From 1500 to the present time. Open to election separately. Offered in 1933-34.

VI, 3. Mr. Dean.

311. ELEMENTARY PAINTING. Painting, in oil or water color, from still life with the object of developing the color sense and acquiring directness of presentation. Problems in the organization and execution of small pictorial units. Three two hour laboratory periods per week. Prerequisites, 112 and 122. Fee, $1.00.

III-IV, 3. Mr. King.

312. ADVANCED PAINTING. Painting from still life, landscape, and the costumed model. Advanced problems in picture making in larger units. Prerequisite, 311. Fee to be arranged.

III-IV, 3. Mr. King.

411. PORTRAIT PAINTING. Painting from life, with special emphasis on the delineation of character. Three two hour laboratory periods per week. Prerequisites, 312 and consent of department. Not offered 1934-35.

431. THEORY AND PRACTICE OF TEACHING ART. A course dealing with the teaching and supervision of art in the public schools. Laboratory assignments, observations, and required readings. Prerequisites, 206, 312, and state requirements in Education and Psychology. Not offered 1934-35.

3. NOTE: Students may enroll in the following courses for advanced work in professional fields:

321-322-421. TECHNICAL PROBLEMS. This course is open, by permission of the department, to students who show particularly able talent in design, drawing, or painting, and who wish to pursue advanced problems in painting, design, home planning, theater arts, advertising, and the allied arts. Not offered 1934-35.

3 to 9.

HOME PLANNING

150. APPRECIATION OF HOME PLANNING. A non technical course designed to give an intelligent appreciation of design and materials of construction of modern domestic architecture. The course includes lectures and discussions by industrial representatives concerning the economic, physical, and esthetic aspects of modern city planning. Motion pictures, models,
plans, and examples in section are offered for study. Economics and Sociology should accompany this course. Two illustrated lectures per week.

VI. 2. Mr. King, Mr. Greenshields, and others.

351. ELEMENTS OF DECORATION. The study of materials, form, and color with special emphasis on their application as decorative elements in the home. Practice in developing plans and elevations in line and color. Prerequisites, 112, 122, 150, and Engineering 111. Not offered 1934-35. 3.

352. DECORATION AND FURNISHING. The development of small scale forms and colored units for the study of space relations in miniature. Introduction of elementary problems in accessories, artificial lighting and fixtures. Prerequisite, 351. Not offered 1934-35. 3.

TECHNICAL PROBLEMS. Problems in the technique of applied decoration and the development of full scale forms in the laboratory house. Advanced study of lighting and accessories. Not offered 1934-35. 3.

ASTRONOMY

Mr. Biefield

A major sequence in this department includes the following courses: 211-212 (8 hours), 214 (2 hours), 311-312 (8 hours), 411-412 (6 hours).

101-102. ANCIENT AND MEDIEVAL ASTRONOMY. Two lectures a week and assigned reading in mythology of constellations. Study of the heavens one hour each week with naked eye and the telescope of the observatory. Open to all IV. 2.

111. ELEMENTARY ASTRONOMY. Four recitations a week based upon lectures with mimeograph notes and text, with one hour a week (needing no preparation on the part of the student) on Tuesday or Thursday, 8-9 p.m., for constellation study and the demonstration of instruments. No prerequisite. VI. 4.

112. ELEMENTARY PRACTICAL ASTRONOMY. This introduces students who have had course 111 or its equivalent, and engineering students, to the use of the instruments in solving practical astronomical problems in an elementary way. Prerequisite, course 111. Fee, $2.00, with laboratory hours to be arranged. VI. 4.

211. DESCRIPTIVE ASTRONOMY. A standard text is used together with lantern slides and demonstration of the instruments of the observatory. Prerequisite, Freshman Mathematics. Physics, 111-112 is advised. I, 4.
212. **Practical Astronomy.** This is a laboratory course for the solving of astronomical problems with the precision that the modern instruments of the observatory allow. Prerequisites, course 211 and Physics 211. Fee, $2.00.

214. **Method of Least Squares.** Advised for students taking course 212. Hours to be arranged. Arr., 4.

311-312. **Advanced Observational Work.** Measurement of double stars and position of celestial objects differentially with position micrometer. Stellar Photometry with naked eye and wedge photometer. Prerequisite, course 211. Hours to be arranged. Fee, $1.00 per credit hour.

411-412. **Introduction to Celestial Mechanics.** A standard text is used taking up the fundamental principles of the subject. Application to determination of ephemerides and orbits of planets and comets. Prerequisite, course 211 (may be taken the same term as 411) and the calculus, including, preferably, an introduction to differential equations. Arr., 2.

**BOTANY**

**Mr. Stickney**

111-112. **General Botany.** A consideration of living organisms and life processes, and a study of the origin of individuals and races through reproduction and evolution. The course does not follow the lines of elementary botany of secondary schools and is designed equally for those entering with or without such course. Fee, $3.00. Lectures and quiz Tuesday and Thursday, IV. Laboratory, two sections, Monday or Wednesday, III-IV.

113-114. **Descriptive and Systematic Botany.** A general treatment of the higher flowering plants, emphasizing structure and function in the first semester and identification and classification in the second. An intensive course in elementary botany, as an introduction to the subject and for prospective teachers. Field trips alternate with laboratory studies during the open season of both semesters. Open to all. Fee, $2.00.

209. **Application of Botany.** A lecture course dealing with man's relation to plants and plant life. The plant as a food-building machine, the world's food supply, fuel, drug plants, fiber plants, poisonous plants, lumber, forest influences and conservation, and ornamental plants and landscaping are among the topics included. Open to all.

II, 2.

211-212. Field and Floristic Botany. A course dealing with the vegetation of selected areas, as worked out in actual field study. Emphasis is placed upon the composition of the various plant associations considered, in correlation with the specific climatic, edaphic and biotic factors making up its environment. The course is logically a continuation of Botany 113-114, which course, or its equivalent, is prerequisite. Hours to be arranged. 3 or 4.

213-214. Plant Morphology. A very general survey of the plant kingdom, with a study of type forms from the lowest to the highest orders. One all-day field trip and several shorter excursions each semester. Alternates with courses 315-316. Prerequisites, Courses 111-112 or 113-114, or Zoology 111-112. Fee, $3.00. Not offered in 1934-35.


315-316. Plant Histology and Physiology. The study of cells, tissues, and organs of higher plants, and of the relation of these structures to life processes. Special attention is given to the technique of microscopic study during the first semester, and to experimental methods during the second. Alternates with courses 213-214. Prerequisites, courses 111-112 or 113-114. Fee, $4.00. Offered in 1934-35.


317-318. Bacteriology. An elementary course introducing the student to the nature and activities of bacteria, and to the technique and methods of bacteriological study. Elementary chemistry is advised in addition to course 111-112 or Zoology 111-112, the regular prerequisite for this course. Fee, $4.50. Not offered in 1934-35. I-II, 4.

417-418. Botanical Seminar. The study of special topics with reports in class upon assigned readings. Either or both semesters may be taken. Ability to use French or German is desirable. Open to juniors and seniors only. Prerequisite, course 111-112 and an additional year's work in the department. Hours to be arranged. Fee, $1.00.

419-420. Advanced Botany. Special work on assigned problems leading to research in botany. This course may be taken only by competent students, and with consent of the head of the department. Hours arranged individually.
CHEMISTRY

Mr. Ebaugh, Mr. Everhart

Students specializing in Chemistry are advised to take courses 111-112, 211-212 or 213-214, 223-224, 411-412, and 413-414. If they cannot present the prerequisites for courses 411-412, enough credits must be offered from other chemistry courses to make up the minimum of 24 hours.

109-110. Chemistry of the Home and Community. (For women only). An introductory course in chemistry with practical applications to domestic science and allied fields. No prerequisite. Class periods, Wednesday and Friday, IV. Laboratory. Monday, VI-VII. Fee and deposit, $6.00 per semester.

3. Mr. Ebaugh.

111-112. General Chemistry. Principles and theories of chemistry, the quantitative aspect of the subject, and the application of chemistry to the affairs of everyday life and industry. It is recommended that a student complete a course in elementary physics or chemistry as a preparation for this course. Class periods, either Monday and Wednesday, II, or Tuesday and Thursday, VII. Laboratory. Tuesday and Thursday, I and II, or Wednesday and Friday, VI and VII. Fee and deposit, $8.00 per semester.

4. Mr. Ebaugh.

113-114. Supplementary recitations for Chemistry 111-112, devoted chiefly to problem work. Class periods, Friday, II, or Monday, VII.

1. Mr. Ebaugh.

115-116. Chemistry and Civilization. A survey of the role played by chemistry in shaping modern civilization, showing its results rather than developing the science itself. (This course can not apply on a "Chemistry Major" requirement). No prerequisite. Class period, Wednesday and Friday, III.


209-210. Elementary Physical Chemistry. The principles of chemistry, with thorough drill in the application of basic laws and theories to the structure of substances. Prerequisite, Chemistry 112. Class periods, Tuesday and Thursday, II.

2. Mr. Everhart.

213. Qualitative Analysis. Reactions of metallic and non-metallic ions, and the analysis of mixtures of increasing difficulty; underlying theories are emphasized constantly. Prerequisite, Chemistry 112. Class period, Monday, IV. Laboratory, Tuesday, Thursday and Friday, VI-VII. Fee and deposit, $10.00.

4. Mr. Everhart.
214. Quantitative Analysis. Gravimetric, volumetric, electrolytic and electrometric methods of analysis; drill in calculations and fundamental theories. Prerequisite, Chemistry 213 (or 112 if taken prior to 1934-35). Class period, Monday, IV. Laboratory, Tuesday, Thursday and Friday, VI-VII. Fee and deposit, $10.00.

Mr. Ebaugh.

223-224. Organic Chemistry. A study of carbon compounds, accompanied by the preparation of typical organic substances, determination of physical constants and chemical properties, and practice in the use of tests used in special branches of chemistry. Prerequisite, Chemistry 112. Class periods, Monday and Wednesday, I. Laboratory, Thursday or Friday, I-II. Fee and deposit, $8.00 per semester.

Mr. Everhart.

225-226. Supplementary laboratory periods for Chemistry 223-224, devoted to advanced assignments, organic analysis, and special methods. Hours to be arranged. Fee, $4.00 per semester.

Mr. Everhart.

311-312. Chemistry of Industry and Business. The application of chemistry to processes and problems of industry and business. Prerequisite, Chemistry 112. Class period, Wednesday and Friday, III; supplemented by regular inspection trips to plants.

Mr. Everhart.

313-314. Advanced Quantitative Analysis. Special methods of analysis in the following groups: (a) metallurgical analysis, (b) water, (c) gas, (d) foodstuffs, (e) technical analysis for specific industries. Prerequisite, Chemistry 212 or 214, and for (d), Chemistry 224. Laboratory periods to be arranged. Fee and deposit, $8.00 per semester.

Mr. Ebaugh.

411-412. Physical Chemistry. (Theoretical Chemistry.) Modern theories of the atomic concept of matter, energy in chemical systems, the solid, liquid and gaseous states of aggregation, solutions, chemical equilibrium, thermochemistry, electrochemistry, photochemistry, and colloid chemistry. Prerequisites, Chemistry 212 or 214, and 224; Physics 212 (and laboratory course), and Calculus. Class periods, Wednesday and Friday, IV. Laboratory, Monday or Wednesday, VI-VII. Fee and deposit, $8.00 per semester.

Mr. Everhart.

413-414. History of Chemistry. A seminar course. Prerequisite, Chemistry 224. Class period, Tuesday, VIII.

Messrs. Ebaugh and Everhart.

415-416. Supplementary laboratory periods for Chemistry 411-412, for students desiring advanced work. Hours to be arranged. Fee, $4.00 per semester.

Mr. Everhart.
A major in Classical Languages may be secured by completing (1) Greek 111-112, 211-212 and Latin 111-112 and 211-212; (2) Greek 111-112, 211-212 and ten additional hours in Greek; (3) Latin 111-112, 211-212 and ten additional hours in Latin. (Latin 101-102 may not be counted on the major.)

Courses Not Involving a Study of the Language

GREEK

101. GREEK CIVILIZATION. A topical study of Greek institutions and thought; together with a study of the contribution which the Greeks have made to our times. The course does not require a knowledge of the Greek language. Open to all students. Offered in 1933-34. VI, 2. Mr. Dean.

102. GREEK LITERATURE IN ENGLISH. A course designed to give an acquaintance with the field of Greek Literature and its contribution to modern thought. Lectures and assigned readings from translations of Greek authors. Open to freshmen by permission. Offered in 1934-35. VI, 2. Mr. Dean.

LATIN

215. ROMAN CIVILIZATION. A survey of the more important phases of Roman character and achievement. The text book will be supplemented by notes and assigned reading, with photographs and illustrations for certain portions of the work. Offered in 1934-35. VI, 2. Mr. Dean.

216. MYTHOLOGY-RELIGION. A study of the myths of the Greeks and Romans, with special reference to their influence in English Literature. Lectures and readings on Roman religion. Offered in 1933-34. VI, 2. Mr. Dean.

Language Courses

GREEK

111-112. An introduction to the Greek language through the study of Attic Greek. Drill on forms, grammar and sight reading. Open to all students. II, 4. Mr. Dean.

1, 2. Mr. Dean.


2. Mr. Dean.

LATIN

101. Selections from the Orations of Cicero, or from Ovid's Metamorphoses. Intensive work in form and syntax; sight translations. Open to students who have had two or three years of secondary Latin.

5 days. I, 4. Mr. Hundley.

102. Virgil. Selections from the first six books of the Aeneid; supplementary work as in course 101. Prerequisite, course 101, or 3 years of secondary Latin.

5 days, I, 4.

111. Selections from Latin Prose Literature. Comprehension and analysis of the language and style are emphasized both in prepared and in sight translation. For students who have four years of Latin in High School.


III, 4. Mr. Dean.

211. Latin Comedy. Plautus and Terence, three or more plays. Notes on the history of Ancient Drama. Sight reading. Offered in 1933-34.

VII, 3. Mr. Dean.

212. Pliny and Catullus. Letters and Poems with some attention to the social life of the periods in which they were written. Offered in 1933-34.

VII, 3. Mr. Dean.

311-312. Virgil. A study of the poems of Virgil and their place in the history of literature from points of view which cannot be emphasized in the preparatory school. Especially advised for students who expect to become teachers of Latin in secondary schools. Offered in 1934-35.

VII, 3. Mr. Dean.

315. Methods in Latin. Lectures on teaching Latin in secondary schools. Discussion and study of special points, such as the aims of the study of Latin, high school Latin courses and text-books, and the correlation of Latin with other studies. Training in reading Latin aloud.

VI, 2. Mr. Dean.
A major in Economics requires a minimum of 27 hours in the department, of which 11 must be in 100 and 200 courses and 12 in courses numbered 300 and 400. Economics majors are urged to elect as many as possible of the following courses in other departments: Geology 121-122; History 111-112, 221-222; Government 211-212, 320; Mathematics 224; Philosophy 222, 326; Psychology 211; Religion 112; Sociology 211; Speech 221.

102. ECONOMIC HISTORY OF THE UNITED STATES. A lecture course dealing with the development of agriculture, industry, commerce, transportation, finance and labor problems. Open to first year students only. Those planning to take this course are urged to take Geology 101 the first semester.

211-212. PRINCIPLES OF ECONOMICS. Designed to provide a thorough groundwork in economic theory. Open to prospective majors only, who must attain a minimum grade of C. Credit will not be allowed for a single semester, except by special consent.

213-214. ECONOMIC ORGANIZATION OF SOCIETY. A survey of economic institutions, designed for students who do not expect to major in economics. Credit will not be allowed for a single semester, except by special consent. Not open to those who have credit for 211-212.

NOTE: These courses of 211-212 are prerequisite for all courses numbered 300 and 400.

231-232. PRINCIPLES OF BUSINESS LAW. A survey of the law of contracts, agency, negotiable instruments, business organizations, real and personal property.

233-234. PRINCIPLES OF ACCOUNTING. The fundamental principles of double-entry accounting and their application in the recording of business transactions. Credit will not be allowed for a single semester.

NOTE: An additional hour of credit is given for laboratory work in the second semester.

315-316. FINANCIAL ORGANIZATION OF SOCIETY. A study of the present day system of money, banking and credit in the United States. Credit will not be allowed for a single semester.
317. LABOR PROBLEMS. An analysis of wage earners' efforts to improve their status through labor organizations and collective bargaining; of employers' attempts to solve labor problems through scientific management, employee representation and profit sharing; concluding with the efforts of society, through government, to solve the problems by legislation.
   IV, 3. Mr. Gordon.

   IV, 3. Mr. Baker.

   I, 3. Mr. Gordon.

331. ECONOMICS OF CONSUMPTION. A social study of the theory of consumption and of waste in the consuming of wealth, followed by an analysis of various means of eliminating or reducing waste. Special emphasis on advertising and insurance, from the consumer's point of view. Designed to benefit all students who are interested in improving living standards in general, and their own in particular, through wiser consuming methods.
   III, 3. Mr. Gordon.

413. ADVANCED ECONOMIC THEORY. An analytical study of economic thought. Special attention to the study of value and distribution.
   II, 3. Mr. Baker.

416. INTERNATIONAL ECONOMIC RELATIONS. Starting with a study of the fundamental principles of foreign trade the course proceeds to the application of these principles to such economic problems as the tariff, shipping subsidies, foreign capital investment, war debts and reparations.
   II, 3. Mr. Gordon.

420. ECONOMICS SEMINAR. This course is designed to provide an opportunity for majors who have shown exceptional ability to learn the elements of research methods by preparing a thesis on a subject in which they are especially interested. This also affords a means of working in specialized fields not included in the regular departmental offerings, such as advertising and insurance. Hours arranged. 2. Mr. Gordon.
Denison University is accredited by the State Department of Education of Ohio in the teacher training field of secondary education, including the junior high school and the senior high school. The University also offers courses in the training of teachers and leaders in the fields of religious and commercial education. Special Certificates in Music and Physical Education can be secured by both men and women on completion of the required courses of these curricula. By special arrangement with the State Department of Education the University offers the work required for the Elementary Teachers Certificate.

101. Methods of Study. A course designed to familiarize students with the more successful and approved methods of studying. One hour lecture class work per week. No prerequisites. VI, 1. Miss Ralston.

211. Introduction to School Management. This course deals with classroom management as distinguished from instruction. Types and methods of class organization, grouping of pupils, supervised study, standardized tests, records and reports, are the main topics of this course. Open to freshmen by permission. III, IV, 3. Mr. Hawes, Miss Ralston.

212. Principles of Secondary Education. Study of the secondary school pupil, his physical and mental traits, individual differences, social principles, and subject values. Prerequisite, a course in Psychology. III, IV, 3. Mr. Hawes.

311. The Teaching of Science. To inculcate the power to think constructively; the special methods for imparting that ability. To be offered in even-numbered years. VII, 3. Mr. Hawes.

313. History of Education. The purpose of this course is to trace in considerable detail the educational development in European countries from the earliest times to the present and to show in what way this development has been affected by the social and political facts of history and the contributions of the leading educational theorists. Lectures, outside readings and class discussion. No prerequisite. VII, 3. Miss Ralston.

314. History of Education in the United States. A course in the historical backgrounds of American education, with special emphasis on the theories and practices which resulted in the attainment of a free public
school as an expression of American democracy. Lectures, outside readings and class discussion. No prerequisite.

VII, 3. Miss Ralston.

316. Observation and Participation. This course is intended for direct preparation and is prerequisite to student teaching. It includes classroom work, conferences, two hours of observation, and written reports each week. Required of students transferring from educational institutions where Observation is a separate course. No credit.

VII, 0. Miss Ralston.


VII, 2. Mr. Hawes.

318. Tests and Measurements. A course including lectures, outside readings, and class discussions, covering the general field of intelligence and educational tests, and dealing specifically with the improvement of the written test, and the use of examinations as a teaching procedure.

IV, 2. Mr. Major.

319. Teaching of History and the Social Sciences in the High School. The recitation, the use of maps, charts, diagrams, notebooks, collateral reading, the problem of emphasis, and the high school library are topics to be dealt with at length. Particular emphasis is placed on the teaching of history.

IV, 2. Miss Ralston.

402. Professional Readings. Selected subject material just off the press gives the prospective teacher the attitude of professional growth, a knowledge of the means of training while in service, and a true idea of professional ethics.

VI, 1. Miss Ralston.


IV, 3. Mr. Major.

414. School Administration and Supervision. A study of the duties and opportunities of administrative and supervisory officers, including a survey of organization and management of educational systems. Observations, surveys, and practical field work under supervision. Prerequisite, 12 hours in Education and Psychology. Meets as a two hour course.


415; 416. Student Teaching. To be eligible for this course, a student must have been in residence at Denison for one college year, must complete a major in education, and present an average grade of B in the subject which he expects to teach; he must also secure a recommendation from the head
of the department of his teaching subject. No student should attempt to carry more than 12 academic hours of credit in addition to his student teaching. In this course, all effort centers upon these objectives: teaching under supervision, the preparation of lesson plans, conferences upon lesson plans, and conferences following the observed student teaching. A laboratory fee of $8.00 will be required. Hours to be arranged, 4 to 6.

Mr. Major, Mr. Hawes, Miss Ralston.

All special methods courses are offered with the cooperation of this department. The prerequisites for these courses are 6 hours of Education and 6 hours of Psychology. Exceptions to this regulation must have the approval of this department. For courses in special methods of teaching, see English 413; Latin 315; Mathematics 341-342; Music 313-314; Physical Education for Men 311, 312, 344; Physical Education for Women 325, 326, 416; Speech 311.

ELEMENTARY EDUCATION

Any student who wishes to secure an Elementary Certificate as well as a High School Certificate at graduation can do so by taking the following courses: Hygiene, 2 hours; Music, 3 hours; Student Teaching for the Grades, 2 hours; Elementary Methods, 6 hours; and Art, 2 hours. The first three courses listed above are offered in the regular year, while Elementary Methods and Art are offered only in the Summer Session. It is suggested that students desirous of completing the work for the Elementary Certificate should attend Summer School at the end of their Junior year and take Elementary Methods and Art.

ENGINEERING SCIENCE

MR. GREENSHIELDS, MR. LADNER

The engineering courses offered by this department are fundamental for such engineering fields as Architectural, Chemical, Civil, Electrical, Mechanical, Mining Engineering, and Engineering Physics. Courses amounting to 26-40 hours of credit are offered as major sequence leading to the degree of A.B. This major must include courses 111, 211-212, 311-312 and 322. Students majoring in this department, with properly chosen electives,
receive a broad but practical engineering training. They are prepared on graduation for professional employment or for further specialization.

1. They may secure permanent employment with industries which prefer to accept students with a general engineering education upon which to develop, by apprentice training, men to fill responsible positions.

2. They may obtain temporary employment with the idea in mind of finding from actual experience the line of specialization they wish to follow.

3. They may proceed at once with their graduate work.

Since the courses at Denison are identical with those in most technical and engineering schools, credits obtained at Denison may be transferred at their face value.

110. **Statistical Graphics.** A drafting course especially designed for non-engineering students containing the elements of instrument use, lettering, and tracing. Theory of diagramming, charting, and graphing trend, probability, and allied curves. Problems are assigned from the major studies of the individual students. Laboratory, recitation and quiz. Fee $1.00. No prerequisites. Mon. and Wed. VI and VII. 2.

111. **Engineering Drafting.** Use of instruments, simple projections, freehand sketching, geometric problems, conventional signs, tracings. Students may register for two, three or four hours. Four credit hours with attendance five days a week are required of all Engineering students. No prerequisites. Fee $1.00. VI and VII. 2-4.

115. **Machine Drawing.** Elementary design, working drawings and tracings. Prerequisite, course 111. Fee, $1.00. Same periods as 111. 2.

201. **Highway Transport.** History of highway transport development; economics and fundamentals of different methods of transportation of passengers and commodities. Open to approved students of sophomore standing. Not offered 1933-34.

211. **Descriptive Geometry.** An intensive development of the conventional projection theories of drafting with problems and applications in point, line, and plane; intersection and development of surfaces. Prerequisite Engineering Science 111. Fee, $1.00. III, 4.

212. **Elementary Surveying.** Fundamental surveying methods; use of steel tape, level and transit; differential and profile leveling; land surveying, areas and plotting. Prerequisite, course 111 and Trigonometry. Fee, $2.00. Two recitations and two laboratory periods per week. VI, 4.
311. **TECHNICAL MECHANICS.** The principles of mechanics with reference to their application to engineering. Mechanics of rigid bodies by graphic and by algebraic methods; mechanics of particles; work and energy; impulse and momentum. Each student is required to provide himself with a slide rule of approved type. Prerequisite, Mathematics 221-222 and Physics 111 and 211. Physics 211 may accompany the course. Offered first and second semester 1934-35.

312. **MECHANICS OF MATERIALS.** Problems in stress and strain, tension, shearing, compression, torsion, flexure; safe loads, columns; beams, slabs, hooks, etc. Prerequisite, course 311.

322. **MATERIALS OF CONSTRUCTION.** The chemical and physical properties, uses, methods of manufacture, methods of testing and unit stress of each material are considered. The materials studied are: lime, cement, stone, brick, timber, ores, cast iron, wrought iron, steel, and some of the minor metals and alloys. One quiz section, one motion picture lecture per week; one period for reports and computations. Inspection trips are made to manufacturing plants and to the engineering laboratories at Ohio State University. Fee, $12.00 ($10.00 applied to inspection trips.) Not offered in 1934-35.

325. **HIGHWAY ENGINEERING.** Historical development; economic administration and legislation; design of roads and streets and materials used in their construction. Open to juniors and seniors. Not restricted to engineering students. No prerequisite courses. Fee, $1.00. Not offered in 1933-34.

327. **RAILROAD CURVES.** Simple, compound, transition, and vertical curves, turnouts, and earthwork computations. Two recitations and three hours field work per week. Prerequisite, course 212. Field period to be arranged.

332. **ADVANCED SURVEYING.** City, topographic, hydrographic and stream flow surveying; determination of azimuth, time and latitude. The department is equipped with the most modern precise instruments. Two recitations and one laboratory period per week. Prerequisite, course 212. Field period to be arranged. Not offered 1934-35. Alternates with 327.

411. **ANALYSIS OF STRUCTURES.** Determination of working stress in roof and bridge trusses and other steel structures under various conditions of loading, by analytical and graphical methods. Prerequisite, course 312. Fee, $1.00.

412. **STRUCTURAL DESIGN.** A continuation of course 411. The design of roof and bridge girders and trusses and other structures with drawings. Prerequisite, course 411. Fee, $1.00.
ENGLISH LITERATURE AND RHETORIC

Mr. King, Miss MacNeill, Mr. Shumaker, Mr. Larmore

†Mr. Hundley, Mr. Mahood, Mr. Whidden

Students whose major work is in this department will elect, in addition to the specific requirements, a minimum of twenty-six hours from the courses in English. Among these courses must be included English 321-322 and English 333.

111-112. ENGLISH COMPOSITION. Recitations, themes, conferences, and the study of modern prose writers. Required of all freshmen.
   Sections at periods I, II, III, IV, VI, and VII, 3.

115-116. ENGLISH COMPOSITION. Non-credit review. Hour to be selected.

211-212. ENGLISH LITERATURE. A survey of the history of English literature, with particular emphasis on poetry. Prerequisites, courses 111-112.

213-214. NEWSPRENTING AND EDITING. Prerequisites, courses 111-112.

Note—Courses 111-112, 211-212 are prerequisite to all other courses in the department except 213-214.

321-322. SHAKESPEARE.

323. MILTON. A study of Milton's poetry and prose, with some attention to the minor poets of the period. Alternates with course 335 and is offered in 1934-35.

324. THE ROMANTIC MOVEMENT IN ENGLAND. A brief review of the movement in the eighteenth century, followed by a closer study of the work of Wordsworth, Coleridge, Byron, Shelley, and Keats.

325. THE ENGLISH NOVEL. A study in the development of the novel in England during the 18th and 19th centuries.

326. THE SHORT STORY. The reading and the analysis of representative modern short stories.

†Deceased January 26, 1934.
329. **The Elizabethan Drama.** Exclusive of Shakespeare. III, 2. Mr. Larmore.

330. **The Modern Drama.** III, 2. Mr. Larmore.

333. **Chaucer.** III, 3.

334. **Advanced Composition.** Expository, critical, and imaginative writing. II, 2.

335. **Victorian Poets.** A study of Tennyson, Mathew Arnold, Swinburne, and other poets of the period. Alternates with course 323 and is not offered in 1934-35. II, 3. Miss MacNeill.

336. **Browning.** An intensive study of the shorter poems, together with the reading of selected longer ones. II, 3. Miss MacNeill.

338. **An Introduction to Medieval Literature.** A study of romances, prose tales, poems, and other literary forms of the Middle Ages, to give background for the study of later English literature. All reading done in translation. IV, 3.


342. **The Modern Novel.** A study of recent contemporary American and English fiction. Prerequisite, course 325. IV, 2. Mr. Mahood.

**American Life and Literature.** American literature will be studied together with a broad survey of its historic background. The political history of the United States will be subordinate to a study of the cultural advance of American society. The class will be met alternately by Mr. King and Mr. Utter. This course is open to juniors and seniors and may be counted toward a major in English or History. In registration this course should be designated as "History 351-352."

II, 5. Mr. King and Mr. Utter.

413. **The Teaching of English.** A course designed for seniors who expect to teach English in high schools. It meets the requirements for the state certificate in special methods. It may also be counted toward a major in English. To apply on the former, six hours in the department of Education and six hours of Psychology are prerequisite. Open to juniors by consent of the instructor. I, 2. Mr. Shumaker.
A student majoring in Geology must pass acceptably at least 24 hours of work in this department. He should also take from 12 to 18 hours in Chemistry, Physics, Zoology and Engineering Science, for a good foundation. The work in these and other supporting sciences will be prescribed in accordance with the needs of the individual student.

101. Natural Resources. The course starts with a consideration of the mineral wealth of the United States. The leading minerals and mineral fuels are treated from the standpoint of their nature, origin, distribution and utilization. Soils, water, and forests are studied in a somewhat similar manner. Although chief emphasis is laid upon the United States, the international aspects are pointed out. Fee, $1.00.

111. General Geology. The elements of dynamical and structural geology. The materials of the earth, their structural relations, and the forces operating upon them such as streams, wind, ice, and waves. The laboratory work includes the study of common minerals and rocks, and geologic and topographic maps. Field work is also included. Three lecture hours, and two hours of laboratory or field work. Fee, $2.00.

112. Historical Geology. The history of the earth and the development of its organisms. The major physical events and the most characteristic features of the life of each period from earliest time to the present are presented. Three lecture hours, and two hours of laboratory or field work. Fee, $2.00.

121. Physical Geography and its Human Aspects. An elementary course dealing with the earth as a globe, the atmosphere, oceans, and lands. This is a desirable course for those who expect to teach science. Two lecture hours. Fee, $1.00.

122. Geography of the United States. A study of the physical features of the United States and their influence upon human affairs. Prerequisites, 121 or 111. Two lectures and assigned readings. Fee, $1.00.

211. Mineralogy. For those desiring a general knowledge of the common minerals, the properties by which they are recognized, their significance as constituents of the earth's crust, and as sources of useful sub-
212. **Economic Geology.** Non-metallic deposits including coal, petroleum, building stones, natural gas, salt, fertilizers, and others. Ore deposits, iron, copper, lead, zinc, gold, silver, and others; also their genesis, occurrence and distribution. Prerequisite, courses 111-112, 211. Alternates with course 312. Fee, $1.00.

214. **Petroleum.** An elementary course designed for those wishing to study the identification, composition and properties of rocks. Two consecutive hours of laboratory weekly. Prerequisites, Geology 111-112, 211. Ordinarily but not necessarily taken in conjunction with Geology 212. Hours to be arranged. Fee, $1.00.

311. **Structural Geology.** A study of the architecture of the earth's crust, in which folds, faults, and other geologic structures and their origin will be considered in detail. Prerequisites, courses 111-112. Two hours of lecture and discussion, and one two-hour period of laboratory or field per week. Alternates with course 211. Not offered in 1934-35. Fee, $1.00.

312. **Physiography of the Lands and Map Interpretation.** An advanced course dealing with the evolution of landforms. Constructonal landforms, such as plains and mountains, are considered in detail and their histories carefully traced. The work with maps consists in the application of the principles studied in physiography courses to the interpretation of topographic maps. Two hours of lecture weekly will be devoted to physiography and two discussion hours will be given to maps. Prerequisite, courses 121-122. Alternates with course 212. Not offered in 1934-35. Fee, $1.00. IV, 3.

320. **Field Work.** An auto trip across the Appalachians going as far east as Charlottesville, Virginia. A complete section through the Appalachians including the Appalachian Plateau, Allegheny Ridges, Shenandoah Valley, Blue Ridge, and Piedmont. A carefully prepared written report with diagrams is required. Open to students who have completed or are completing at least a year course in geology. Estimated cost, $42.50. Spring Recess.

322. **Field Work.** Similar to 320, but principally in the Great Smoky Mountains region. Estimated cost, $60. Summer. 3.

411-412. **Geologic and Geographic Problems.** Properly prepared students may, with the instructor's consent, undertake library or field problems in geology or geography. The course will ordinarily be offered one semester each year. Fee, $1.00. VI, 2.
A major of 24 hours may be completed in either division of the department. A maximum of six hours credit in one division may be counted toward a major in the other.

HISTORY

111-112. Modern European History, 1500-1914. An introductory course intended distinctly for freshmen. The first semester's work covers the period to 1789 and the second semester's from 1789 to 1914. Two hours credit if taken by seniors. I, II, VI, 3. Mr. Utter and Mr. DeWeerd.


221-222. History of the United States Since 1763. A survey course prerequisite to advanced courses in American history. The student will be expected to read rather widely in the literature of American political and social history. To be taken normally in the sophomore year. VI, 3. Mr. Utter.

311-312. The World War and Its Aftermath. The diplomatic background of the Great War, the war itself, the Versailles Conference and the peace treaties, the new states of Europe, problems of reconstruction, the revival of Turkey, and developments since 1918 are the principal topics studied in this course. Prerequisites, courses 111-112 or equivalent. Intended for juniors and seniors. I, 3. Mr. DeWeerd.

317-318. The Ancient World. From the dawn of civilization to the period of Justinian. First semester, the Orient and Greece; second semester, Roman History. Intended for juniors and seniors but open to sophomores by permission. Given by the department of Latin. Offered in 1934-35. IV, 3. Mr. Dean.

324. The American Frontier. This course will treat of the importance of the frontier in American economic, political and intellectual development. Prerequisites, courses 221-222 or 351-352. Not offered in 1934-35. III, 3. Mr. Utter.

325. History of Latin America. A rapid survey from the period of colonization to the present, emphasizing the development and problems of the leading republics. This course is designed to precede 326. III, 3. Mr. Utter.
326. The History of American Diplomacy. Historical analysis of such problems as the American system of neutrality, the freedom of the seas, American commercial policy and movements for the preservation of peace. Prerequisites, courses 221-222 or 351. Offered in 1934-35.

III, 3. Mr. Utter.

331. The French Revolution and Napoleon. The intellectual and economic background of the Revolution will be thoroughly treated. The Revolution itself and the career of Napoleon will be studied with regard to their significance for France and for Europe generally. A reading knowledge of French is desirable but not required. Prerequisites, courses 111-112. Not offered in 1934-35.

III, 3. Mr. Utter.

333. The Renaissance and Reformation. The Renaissance will be studied as the period of the revival of nationalism, individualism and conscience as well as the age of renewed interest in art, science, and literature. The Protestant Revolution will be treated in its economic and political as well as in its intellectual and spiritual aspects. Prerequisites, courses 111-112. Not offered in 1934-35.

III, 3. Mr. Utter.

351-352. American Life and Literature. American literature will be studied together with a broad survey of its historic background. The political history of the United States will be subordinate to a study of the cultural advance of American society. The class will be met alternately by Mr. King and Mr. Utter. This course is open to juniors and seniors and may be counted toward a major in English or History.

II, 5. Mr. King and Mr. Utter.

Government

211-212. American Government. How our government works in practice; an introductory study of its structure and importance in everyday life. The section for majors (I) is designed for students interested in law, governmental service, or further work in the study of government.

I (majors), IV (non-majors). 3. Mr. Roden.


III, 3. Mr. Roden.

315. American State Government. The power and duties of the governor, the legislature, and the courts. Important current problems of state government will be considered. Alternates with 215. Offered in 1934-35.

III, 3. Mr. Roden.
316. CITY GOVERNMENT. City politics, forms of charter, relation to the state, newer types of governmental structure, and the practical details of administration. Alternates with 312. Offered in 1934-35.

III, 3. Mr. Roden.

320. INTERNATIONAL RELATIONS. A survey of recent foreign policies of the more important states, followed by a study of the newer agencies for international government and the peaceful settlement of disputes. Alternates with 316. Not offered in 1934-35.

III, 3. Mr. Roden.


II, 3. Mr. Koden.

412. JURISPRUDENCE. The fundamental institutions of the law; the development of legal reasoning; the practice and procedure of the courts. Alternates with 426. Offered in 1934-35.

II, 3. Mr. Koden.

425. CONSTITUTIONAL LAW. A study of the law of the American constitution; the origin and nature of the constitution; the relationship between the state and federal governments. Prerequisite, 211-212. Alternates with 323. Offered in 1934-35.

II, 5. Mr. Roden.

426. INTERNATIONAL LAW. A study of the growing number of international cases settled judicially; the rules to be deduced from the practice of states; and of the controversy over the supremacy of national or international law. Alternates with 412. Not offered in 1934-35.

II, 5. Mr. Roden.

MATHEMATICS

Mr. Wiley, Miss Peckham, Mr. Rupp, Mr. Ladner,
Mr. Kato, Miss Olney

The courses in Mathematics are planned not only for the development of the student's mathematical knowledge, but also for the formation of a necessary foundation for work in the sciences.

The initial courses are 115-116 of Sequence No. 1 or 121-122 of Sequence No. 2. The second sequence should be elected by those who excelled in high school mathematics and likewise those who had trigonometry in high school. Trigonometry is not, however, a prerequisite for the course. This sequence is advised, by
the heads of the departments concerned, for those who anticipate
doing their major work in Astronomy, Engineering, Mathematics
or Physics.

Two courses numbered higher than 350 and a third course
numbered higher than 333 are required of all students majoring in
Mathematics. Such students will, after consultation with the
Head of the Department, elect a minimum of twelve hours in
subjects related to Mathematics. They will meet one hour each
week during the last semester of their senior year in a seminar
preparatory to the comprehensive examination.

Sequence No. 1

115-116. INTRODUCTION TO MATHEMATICAL ANALYSIS. Algebra, trigo-
nometry, and analytical geometry are studied from the function viewpoint.
Students are placed in sections according to ability. The slower sections
will be numbered 113-114 and will meet five times each week for the four
hours credit. I, II, III, IV, 4.
Miss Peckham, Mr. Rupp, Mr. Ladner, Mr. Kato, Miss Olney.

215-216. THE CALCULUS. Prerequisite, course 116, 122, or 114 with
recommendation of the instructor. I, II. 4. Mr. Ladner, Miss Peckham.

Sequence No. 2

121-122. INTRODUCTION TO MATHEMATICAL ANALYSIS. A combined
two-semester course that is more intensive and more extensive than courses
115-116. Slower section will be numbered 119-120.
IV, 5. Mr. Rupp and Mr. Wiley.

221-222. THE CALCULUS, a course of greater intensity and of more
content than 215-216. Prerequisite, course 122. (Outstanding students
from course 116 may be admitted upon recommendation of their instructor.)
I, 5. Mr. Wiley.

Non-sequence Courses

214. SURVEY OF MATHEMATICS. A non-technical course consisting of
lectures and assigned readings designed to give the general student an idea
of the meaning and the value of mathematics in our culture. Open to
224. **Mathematical Theory of Investment.** An introduction to the algebra of certain forms of investment and to the fundamental principles of life insurance. Prerequisite, course 115 or 121. Offered in alternate years and in 1934-35.

III, 2. Miss Peckham.

334. **Solid Analytic Geometry.** This extends the work of the earlier course into three dimensions. Prerequisite, course 116 or 122. Offered in alternate years and not in 1934-35.

III, 4. Mr. Rupp.

341-342. **Synthetic Geometry (and methods).** A study of metric transformations the first semester and projective the second. This course is especially recommended for those who plan to teach. Instruction in methods of teaching mathematics is given. One hour credit each semester counts as methods credit in Education, three hours as mathematics.

III, 4. Mr. Rupp.

**Courses Requiring the Calculus**

351. **Advanced Calculus.** The content of this course will vary somewhat from year to year to meet the needs of the students electing it. Prerequisite, course 216 or 222.

II, 4. Mr. Kato.

352. **Differential Equations.** An introductory course. Prerequisite, course 210 or 222. Offered first semester.

II, 4. Mr. Wiley.


II, 4. Mr. Kato.

452. **Vector Analysis.** A concise treatment of the fundamental principles of the subject, with selected applications to geometry, mechanics and physics. Prerequisite, the calculus and General Physics. Offered in alternate years and in 1934-35.

II, 4. Mr. Wiley.

**Modern Languages**

Mr. Chamberlin, Mr. Odebrecht, Mrs. Skinner,

Mr. Amner, Mr. Wiley, Mr. Felt, Miss Detweiler

For a major in this department credit for 24 hours beyond the specified requirements is necessary; a maximum of 50 hours, of which no more than 40 are in one language, is allowed.

For specified requirements, see page 37.
GERMAN

111-112. ESSENTIALS OF GERMAN. A beginning course for the basic knowledge of the language. IV, VI, 4.

211. MODERN AUTHORS. Stories by standard authors, with daily use of German. Review of the grammar and systematic study of syntax and style. Prerequisites, courses 111-112 or 2 years of German in secondary school.

212. WEIMAR POETS. Schiller's Lied von der Glocke and other lyrics. Wilhelm Tell, Goethe's Hermann und Dorothea; introductory study of the classical period of German literature. Prerequisite, course 211.

213-214. SCIENTIFIC GERMAN. A year's course for students interested in scientific works. General articles on different branches of science and special articles in periodicals are read. Co-ordinate with courses 211-212, and same prerequisites.

311. GERMAN CLASSICS. Special regard to Lessing, Schiller and Goethe; critical reading of significant works; lectures; reports on extra readings. Prerequisite, courses 211-212 or 213-214, or 3 years of German in high school. Alternates with course 315. Offered in 1934-35.

312. GOETHE'S FAUST, I and II. Continuation of course 311, dealing with the source, history and interpretation of this masterpiece. Prerequisite, course 311. Alternates with course 316. Offered in 1934-35.

315. MODERN GERMAN LITERATURE. Recent literary movements considered in the works of Hauptmann, Ponten, Schnitzler, Thomas Mann, and other leading writers. Alternates with course 311 with same prerequisites. Not offered in 1934-35.

316. MODERN GERMAN DRAMA. German drama of the last hundred years as represented by Kleist, Grillparzer, Hebbel, Hauptmann and others. Prerequisites, course 311 or 315. Alternates with course 312; not offered in 1934-35.

FRENCH

111-112. BEGINNERS' FRENCH. A year's work, comprising the essentials of French grammar, reading, and an introduction to the spoken and written language. II, III, VI, 4.

211. NARRATIVE DISCOURSE. Stories by modern authors are used and form the basis of daily practice in the use of the foreign tongue; review of
French grammar, especially of verbs, and systematic drill in writing French. Prerequisites, courses 111-112, or 2 years of French in secondary school.

212. Novel and Drama. Continuation of course 211. Modern works are read, concluding with a drama; outside readings; writing and speaking French. Prerequisite, course 211.

221. Modern French Authors. More advanced than course 211 and aiming to complete in one semester the requirements of the second year in modern languages for graduation; includes a survey of grammar and the reading of 500-600 pages from standard authors. Prerequisites: 3 years of French in High School or special proficiency in French, demonstrated to the instructor.

222. Eighteenth Century. A course dealing with French literature, including narration and drama, of the eighteenth century: Voltaire, Rousseau, Beaumarchais and leading authors are considered. This is a continuation of course 221 for such students as wish an elective in French parallel to course 311.

311. Nineteenth Century Literature. Extensive reading of typical works, with attention to linguistic and literary qualities; dictations, reviews, and themes. Prerequisites, courses 211-212 or course 221.

312. Modern Drama. Outstanding dramas of the last hundred years, as types of the literary tendencies; versification and dramatic technique; outside readings, with reports. Prerequisites, courses 311 or 222.

411. The Classic Drama. Characteristic plays of Corneille, Racine and Molière, in the settings of French society in the XVII century; principles of classicism; outside readings and reports. Prerequisite, course 312.

412. Survey of French Literature. Review of periods and writers from the Middle Ages to the present, by lectures and readings; an outline of French literature, with selections for reading; reports, reviews, and a semester theme. Prerequisites, courses 311-312 or 222 and 312.

414. Poetry of Romanticism. Special reference to Hugo, Lamartine and de Musset; lectures and readings; reports and reviews by students. Prerequisite, course 411. Not offered in 1934-35.

ITALIAN


IV, 4. Mr. Odebrecht.

SPANISH

111-112. ELEMENTARY SPANISH. Essentials of grammar, emphasizing functional value; beginning to read for comprehension; daily practice in Spanish conversation. Readings in English from books on travel and history.

IV, VI, 4.

211. INTERMEDIATE SPANISH. Review of grammar, oral and written practice; study of short stories and one or more novels from recent authors; outside readings and reports on short stories or newspapers. Prerequisites, courses 111-112 or two years of High School Spanish.

212. MODERN AUTHORS. Progressive development of oral and reading ability by the study of such works as Julio Camba’s *La rana Viajera* and Gomostiz’s *Cantiga pan y cebolla*; introduction to the study of Spanish literature. Prerequisite, course 211 or equivalent.

311. THE NOVEL IN SPANISH LITERATURE. Development of the novel in Spain; readings and reports; supplementary lectures and discussions in Spanish. Prerequisites, courses 211-212 or equivalent. Alternates with course 321 and is not offered in 1934-35.

III, 4.

315. THE DRAMA. Lectures on development of the drama in Spain, with readings from the later writers; reports, oral and written, on additional readings; literary criticisms. Prerequisite, course 315. Alternates with course 322. Not offered in 1934-35.

II, 3. Mr. Amner.

321. SURVEY OF SPANISH LITERATURE. Emphasis on poetry and works not included in courses 315 and 316. Alternates with course 315. Prerequisites, courses 211-212 or equivalent. Offered in 1934-35.

II, 3. Mr. Amner.

322. ADVANCED COMPOSITION. PHONETICS. Systematic study of Spanish grammar. Introduction to study of Phonetics. Alternates with course 316. Prerequisite, same as course 321. Offered in 1934-35.

II, 3. Mr. Wiley.

414. THE GOLDEN AGE OF SPANISH LITERATURE. The works of Cervantes, Lope de Vega, and Calderón; lectures on the classic period; outside readings and reports. Prerequisites, course 315 or 321, or the consent of the instructor. Offered in 1934-35.

VI, 3. Mr. Wiley.

416. SPANISH-AMERICAN LITERATURE. Brief survey, with special attention to the later writers. Readings from Ricardo Palma, Blanco-Fombona, Hugo Wast, Rodó, José Hernández, Rubén Darío, Florencio Sánchez, with lectures and supplementary readings. Alternates with course 414, with same prerequisite, and is not offered in 1934-35.

VI, or arranged, 3. Mr. Amner.
Music

MUSIC

Mr. Eschman, Mr. Stark, Mr. Huff, Miss McNeil

Music may be offered as a major under the A.B. degree to a total of 44 hours (including 4 hours in Ensemble Music.)

Students majoring in Music will find suggested outlines for further specialization, leading in some cases to the Bachelor of Music degree, in the Conservatory Bulletin.

Courses in this department are open to all students of the University. For students taking a principal sequence in Music, it is recommended that courses 101-102 and 111-112 be taken in the freshman, 221-222 in the sophomore, 331-332 in the junior, and 441-442 in the senior year. Courses 201, 202, 311 and 312 may be taken in any year.

101-102. Appreciation of Music. Primarily for college students. A course in the development of musical appreciation, without prerequisites. Students paying regular college tuition may elect the course without extra charge. For others the fee is $8.00 per semester. VII, 2. Mr. Eschman.

103-104. Chorus, Orchestra, Band, or Ensemble Training, hours to be arranged. Three hours are required for one hour of college credit each semester. One of these hours must be in Chorus, Orchestra or Band; the other hours are elective ensemble music. No special fee for this course. Mr. Eschman, Mr. Gelfer and others.

111-112. Elementary Harmony. Fee, $8 each semester to Conservatory students. Students paying full college tuition may elect these courses without extra charge. IV, 2. Mr. Eschman and assistants.

113-114. Solfeggio. A course in ear training and musical dictation. Fee, $16 each semester. 4 days, VI, 2. Mr. Huff.


203-204. **Second Year of Chorus, Orchestra, Band, or Ensemble Training.**

Mr. Eschman, Mr. Gelier and others.

213-214. **Solfeggio.** Second year. Fee, $16 each semester.

4 days, VII, 2. Mr. Huff.

221-222. **Advanced Harmony.** Fee, $12 each semester.

I, VI, 3. Mr. Eschman and Mr. Stark.

301. **Terminology and Conducting.** Fee, $8.

IV, 2. Miss McNeil.

302. **Orchestration.** Fee, $8

IV, 2. Miss McNeil.

311-312. **Musical Form.** Fee, $8 each semester. Alternates with 201-202. Offered in 1934-35.

III, 2. Mr. Eschman.

313-314. **Public School Music Methods.** Fee, $12.00 each semester.


331-332. **Counterpoint.** Fee, $12 each semester.

III, 3. Mr. Stark.

415-416. **Practice Teaching.** See Education 415-416. Hours to be arranged.

441-442. **Strict Composition.** Fee, $8 each semester.

II, 2. Mr. Eschman.

451-452. **Free Composition.** Fee, $8 each semester.

I, 2. Mr. Eschman.

Credit in Applied Music to a total of eight semester hours may be secured toward the A.B. degree, provided the student is ready to study music of an advanced grade. One credit is given for one lesson a week and one hour practice a day. Two credits are given for two lessons a week and two hours practice daily. The former will be given the name of the subject: Piano, etc., and the numbers 111-112, 211-212, 311-312, 411-412 depending upon the year of study. The two hour credit courses will be numbered: 121, 122, 221, 222, etc. No student is permitted to register for these courses before establishing to the satisfaction of the Conservatory faculty a record of his ability to pursue study at least third grade work.
A major in philosophy requires twenty-one semester hours and three hours in Psychology or three hours in Sociology.

223. Reflective Thinking. A study is made of the principles and problems of clear and accurate thinking, including deductive logic and scientific method. Open to sophomores, juniors and seniors. 111, IV, 3.

224. Problems of Philosophy. An introductory survey of the field of philosophy, including an examination of the relation between science and philosophy and a topical study of some present-day problems in the light of modern knowledge. Open to sophomores, juniors and seniors. 111, IV, 3.

321. Problems of Conduct. A study of the origin, development and nature of morality. Special emphasis will be given to present-day problems of personal and social morality. Open to juniors and seniors. II, 3.

326. Modern Social Philosophies. A study of the social philosophy underlying the present social order and an examination of the criticisms of present-day society by the socialists, communists, anarchists, fascists and others. Accepted toward a major in Sociology. Open to juniors and seniors. Fee, $1.00 for materials and books. II, 3.


332. History of Philosophy—Modern. The great modern philosophers are studied and a survey made of such movements as Idealism, Realism, Pragmatism, Humanistic Naturalism. One two-hour period, preferably Wednesday, VI-VII, and conference periods. Admission by consent of instructor. Offered in 1934-35 and alternate years.

431. Contemporary Thought. An advanced course to consider some of the main trends of modern thought, and to study a few of the great modern systems of philosophy. Reports and discussion in one two-hour period, preferably Wednesday, VI-VII, and conference periods. Admission by consent of instructor. Offered in 1935-36 and alternate years.

432. Philosophy of Religion. A study of the origin, development and nature of religion, the relation of religion to science and to philosophy, and a consideration of some of the main problems of religion. Admission by consent of instructor. Wednesday VI-VII and conference periods. Offered in 1935-36 and alternate years.
PHYSICAL EDUCATION

For Men

Mr. Livingston, Mr. Jenkins, Mr. Rogers, Mr. Rich

Credit amounting to 4 hours in this department is a pre-requisite of graduation. This is met by the required courses of the freshman and sophomore years. A major sequence (40 hours) includes Zoology 201.

Students completing all the courses are qualified for positions as supervisors and special teachers of health and physical education in high schools, providing they have the necessary credits in Education. Students preparing for such work are encouraged to include in their courses 8 hours of biological and physical science and 8 hours of social science. The minimum requirements in Education are stipulated by the state department of education for all high school teachers.

Students completing a minor in this department, (16 hours as prescribed below) are qualified to become part-time supervisors and teachers of health and physical education in public schools, providing they have the required credits in Education.

A minor includes courses 221, 222, 223, (6 hours), 311-312, (6 hours) and 344, (4 hours).

Required Courses

111. For Freshmen. The work is based on a thorough physical examination and strength tests given at the beginning of the entering semester for the purpose of classifying the student. Courses in Corrective Gymnastics, Beginning Swimming, Individual Athletics, Tumbling Stunts, and Sports are open to freshmen only. A final examination is given in each course. Those who fail must repeat the course or elect another in its place. Students cannot receive duplicate credit in any course. Students assigned to Corrective Gymnastics may take this course for one, two, three or four semesters.

Three hours, arranged, 1.
112. **FOR FRESHMEN.** Continuation of 111.

Three hours, arranged, 1.

201. **FOR SOPHOMORES.** Hygiene. Both semesters. First semester at IV; second semester M. and W. at I.

211. **FOR SOPHOMORES.** Courses changed to Corrective Gymnastics, Boxing, Wrestling, Sports and Apparatus Stunts.

Three hours, arranged, 1.

212. **FOR SOPHOMORES.** Continuation of Course 211.

Three hours, arranged, 1.

**ELECTIVE COURSES**

221. **THEORY AND PRACTICE OF PHYSICAL EDUCATION.** I. Methods of coaching football and baseball, and methods of officiating. Two lectures and two laboratory periods per week. Prerequisites, courses 111-112.


222. **THEORY AND PRACTICE OF PHYSICAL EDUCATION.** I. Methods of coaching basketball and track. Two lectures and two laboratory periods per week. Prerequisites, courses 111, 112.

III, 2. Mr. Rogers.

223. **THEORY AND PRACTICE OF PHYSICAL EDUCATION.** I. Methods of coaching speedball, soccer, tennis, wrestling and boxing. Two lectures and two laboratory periods per week.

III, 2. Mr. Rogers.

235-236. **PRINCIPLES, ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.** Methods in various types of institutions and study of motor efficiency tests.

II, 2 Mr. Jenkins.

311-312. **THEORY AND PRACTICE OF PHYSICAL EDUCATION.** II. Methods of directing other activities than athletics, such as: games, stunts, gymnastics, apparatus, tumbling, athletic dancing. Prerequisites, Psychology 211, 321, Education 211-212. Two lectures and two laboratory periods per week.

I, 3. Mr. Jenkins.

315-316. **THEORY AND PRACTICE OF PHYSICAL EDUCATION.** III. Function and organization of play and playground; lectures on the meaning of play, characteristics of different age groups; classification and organization of play activities suitable for each age period; games of low organization for school playground. Two lectures and two laboratory periods per week. Prerequisites, courses 111-112.

II, 3. Mr. Jenkins.
343. Personal and General Hygiene, Including Athletic Training. Lectures, discussions, and readings dealing with the field of personal and public health. Prerequisites, Physical Education 111-112.

VI. 4. Mr. Livingston.

344. The Teaching of Health and School Health Problems. A course to prepare teachers of health and physical education to take an active part in the promotion of health instruction and health service in public schools. Prerequisites, Zoology 201; Psychology, 6 hours. Education, 6 hours.

VI. 4. Mr. Livingston.

441. Applied Anatomy, Physiology of Exercise and Kinesiology. A study of the principal types of muscular exercise, with inquiry as to how they are performed, how they react on the body and their relation to the problems of bodily development, bodily efficiency, and the prevention and cure of certain defects and deformities. Two lectures and two laboratory periods per week. Prerequisites, Zoology 201.

II. 3. Mr. Livingston.

442. Normal Diagnosis and Individual Corrective Gymnastics. Study of the cause of postural defects and their treatment by exercise and other means, together with the methods of administering the work of correction. Two lectures and two laboratory periods per week. Prerequisites, Zoology 201; Physical Education 441.

II. 3. Mr. Livingston.

PHYSICAL EDUCATION

For Women

Miss Barr, Miss Badenoch

Physical education is required of all freshmen and sophomores three periods per week, each course earning one credit hour per semester. A uniform gymnasium suit is required and should be purchased in the fall in Granville; cost about $5. All students taking required work in physical education must pay a laboratory fee of $2 at the beginning of each school year.

A complete physical and medical examination is given to each freshman student at the opening of each college year by the University Health Service and this department. Students are classified on an organic scale and are permitted to engage only in sports and games for which they are physically fitted.
All applications for deferment of and exemption from physical education must be made to the head of the department. Students who are physically unfit for any type of recreation whatsoever, as certified by the University Physician; students from institutions of college or university rank who have taken accredited courses in physical education; and students over twenty-five years of age entering college will be exempt from physical education.

**REQUIRED COURSES**

111-112. For Freshmen. Three hours of work which may be elected from the following organized sports and activities. Fall work: archery, tennis, hockey, hiking, and golf. Winter work: basketball, volleyball, swimming, creative dancing, folk and clog dancing, games, apparatus, tumbling, and winter sports. Spring work: archery, tennis, golf, baseball, track and field athletics. Fee, $1.00.

211-212. For Sophomores. Advanced work in all activities as listed in courses 111-112. Fee, $1.00.

201. (Both semesters). Hygiene. Required of all sophomores for graduation. First semester, II and III, second semester IV.

**ELECTIVE COURSES**

The advanced courses are offered for the benefit of those students who desire to become teachers of physical education, or to combine such activity with the teaching of academic subjects. They are also arranged to meet the needs of those who desire familiarity with the problems of physical education as a part of their equipment as principals of public schools, directors of social centers, Girl Scout and camp leaders, and work in other "leisure time" organizations.

To qualify as full-time teachers of physical education in high schools, students must complete the following courses for 40 hours of credit, including certain science requirements stated below as prerequisites. A minor in this department requires 18 hours of credit including courses 213-214, 321-322 or 323-324, 325-326 and 415-416.

214. **The Organization of Play.** The practical application of play. The modern community recreation movement with special emphasis on the study of the playground and its activities. A thorough consideration of games for children of all age groups. Practice teaching in games. Prerequisites, 111-112. II, 2.

321. **Sport's Technique.** A course in the rules, technique, and strategy of archery, baseball, basketball, golf, field and track, field hockey, soccer, swimming, tennis, and volleyball. Practice teaching. Laboratory, Wednesday at 3:00. II, 3.

322. **Sport's Technique.** A continuation of course 321. Laboratory Wednesday at 3:00. II, 2.

323. **Elementary Rhythmics.** A course in the analysis of rhythmic form and its relation to the dance. Dramatic and singing games suitable for use in the primary grades, and folk dances suitable for use in the upper grades. Short talks and discussion on the value of rhythmic activities and folk dancing as educational forces, and methods of presenting rhythmic material. Monday and Wednesday, 2:00, and Monday 3:00. Prerequisites, courses 111-112, 211-212. VI, 3.

324. **The Philosophy of the Dance.** Lectures, discussions, and readings dealing with the dance and its relation to the other fine arts. The organization of pageants and dramas. The adaptation of this type of work to secondary schools and colleges. Prerequisites, 111-112, 211-212. VI, 2.

325. **Theory and Practice of Teaching in Physical Education.** (Education) A study of the educational principles underlying the teaching of physical education. A review of the physical and mental growth of the school age child. A study of the organization of activities and teaching methods adapted to various age groups and grades. Prerequisites, 111-112, 211-212, Education 211-212, Psychology 211, and 321. Tuesday and Thursday at VI, 2.
326. Theory and Practice of Teaching in Physical Education. (Education.) The terminology of the teaching of gymnastics; a study of gymnastic movements and a discussion of the various systems of gymnastics. Practice teaching within the class. Prerequisites, 325. Tuesday and Thursday at VI, 2.


414. Principles, Organization, and Administration of Physical Education. The place of physical education within the field of general education; its relation to the science of education and the philosophy of living. A consideration of the problems of organization and administration of physical education in elementary and secondary schools and colleges. Prerequisites. Senior standing in physical education. III, 4.

415. School Health Problems. A study of health education; its needs and its place in the curriculum. A consideration of the administrative problems of a school health service. Prerequisite 201. Tuesday and Thursday at IV, 2.

416. The Teaching of Health Education. (Education.) Methods of handling the teaching problems of health instruction. Health education programs and materials. Prerequisites, 415. Tuesday and Thursday at IV, 2.

417. The Relation of Exercise to Health. Lectures, discussions, and experiments, treating of the contribution of the physical education movement to an appreciation of the principles of healthy and efficient living. Wednesday at III, 1.
The major sequence in Physics consists of courses 111-112, 211-212, with twelve additional hours in Physics in courses numbered higher than 300. Students preparing for graduate work should elect courses 311 and 313, and 312 and 314. Engineering students will take 431 and 432. The sequence 111-112 with 113-114 will satisfy the Physics requirements for medical and dental students.

111. General Physics. Lecture demonstrations and recitations covering the more important principles of mechanics and heat. Prerequisite, one year of high school physics. Trigonometry should accompany or precede this course.

112. General Physics. A continuation of course 111; electricity, magnetism, light, wave motion and sound. Prerequisites, course 111 and Trigonometry.

113-114. General Physics. Laboratory courses paralleling the work of courses 111-112. Elective for students who are registered in course 111-112 and desire a less extensive laboratory training than is offered in course 211-212. Fee, $2.00.

211. Laboratory Physics. The essentials of mechanics, molecular physics and heat. Prerequisites, course 111-112 and Freshman Mathematics. Fee, $3.00.

212. Laboratory Physics. The more fundamental experiments in sound, light, magnetism and electricity. Prerequisites, course 111-112 and Freshman Mathematics. Fee, $3.00.


312. Light. An intermediate laboratory course in light, consisting of measurements in lens systems, diffraction and interference. Prerequisites, course 111-112 and the calculus. Fee, $3.00.

313. Magnetism and Electricity. This course is an introduction to the subject of magnetism and electricity, and is intended to be a foundation for any work in this field. The laboratory course, Physics 311, should be taken with this course. Prerequisites, course 111-112 and the calculus. Given in alternate years. Not offered in 1934-35.
314. Theory of Light. This course is an introduction to the study of geometrical and physical optics. Physics 312 is the corresponding laboratory course. Prerequisites, course 111-112 and the calculus. This course will be given in alternate years. Not offered in 1934-35.

333. Kinetic Theory. A lecture course presenting the kinetic theory and elementary thermodynamics. Prerequisites, course 111-112 and the calculus. This course will be given in alternate years. Offered in 1934-35.

334. Electron Theory. A lecture course on the electron theory presenting the current ideas regarding the structure of the atom. Prerequisites, course 111-112 and the calculus. This course will be given in alternate years. Offered in 1934-35.

344. Radio, Telegraph and Telephone. Laboratory work and lectures treating the fundamental principles underlying modern wireless telegraph and telephone circuits. Prerequisites, course 111-112. Fee, $3.00.

431-432. Elements of Electrical Engineering. A lecture and laboratory course presenting the general theory of direct and alternating current circuits and their application to direct and alternating current machinery. Prerequisites, course 111-112, 211-212 and the calculus. Fee, $3.00.

W. & F. III, with one 4-hour laboratory period.

441-442. Advanced Laboratory and Special Problems. Adequately prepared students may, with the advice and the approval of the department, register for this course which will consist of advanced work in the laboratory or some special problem. In each case the interest of the student will be respected. This course will be limited to seniors who are majors in the department and who have satisfied the department that their graduation requirements will be fulfilled. Hours for work and for conference will be arranged in each case. The student may register for two or three hours of this work. Hours to be arranged, 2 or 3.

PSYCHOLOGY

Mr. Lewis, Mr. Haven

A major in Psychology will include the courses registered in the department (with the exception of 321, which may be omitted upon advice of head of department) and a sufficient number of additional semester hours to bring the number up to twenty-four:
these supplementing hours to be selected from the following courses: Zoology 201, Sociology 319, Philosophy 224, 321 or 331-332.

211. General Psychology. An introductory consideration of mental activity in its various aspects, the conditions that account for its appearance and growth, and the ends that it serves as sensory discrimination, thinking, habit, etc. Repeated the second semester at II. VII. II, III, IV, VII. 3.

215. Experimental Psychology. A fundamental grounding in laboratory technique and means of investigating the phenomena of human behavior. Prerequisite, course 211 and consent of instructor. Laboratory, Mon. and Wed. VI-VII or Wed. and Fri., III-IV. 2.

317. Developmental Psychology. A consideration of mental growth and decline, emphasizing the significance of the first years of rapid change. Prerequisite, 5 hours of Psychology. Both semesters. VI, 3.

321. Psychology of Education. An introduction to the fundamentals of educational theory and practice in the light of psychological study and investigation. Prerequisite 211. Repeated the second semester at I, VI. VI, 3.

332. Advanced Experimental Psychology. Continued laboratory training, especially in problems of individual differences and of learning. Usually accompanies course 342. Prerequisite, course 211 and 215. Laboratory periods as in course 215. 2.


411. Abnormal Psychology. A study of deviates; the subnormal and the supernormal and, particularly, the psychopathic. Emphasis will be placed on borderline disorders—hysterias, phobias, and other neurotic ailments; rather than on the insanities. Prerequisite, 5 hours of psychology. VII, 3.

412. Recent Tendencies in Psychology. A survey of "Behaviorism", of Gestalt psychology, and of the more conservative changes recommended by the old-school psychologists; an attempt to find out some of the consequences that are apt to follow from the psychological pioneering now in progress on many fronts. Prerequisite, 5 hours of psychology. VII, 3.

431. Special Problems in Experimental Psychology. Open to students who have made a good record in 215 and 332 and shown some capacity for self-guidance. One hour credit each semester. Arr., 1.
RELIGION

Mr. Stewart

The two-fold aim of the instruction in this department is general religious culture and preparation for efficient Christian service.

The courses may lead, after further study, to: the ministry, the mission field, church director of religious education, supervisor of week-day church schools, Y. M. C. A. and Y. W. C. A. work, teacher in school or college, specialized forms of service—editorial, secretarial, promotional. The courses also make preparation for the following, though further study is advisable: teacher in week-day church school, pastor's assistant.

111. Old Testament. The historical background, the development of religious thought, the work and place of the leading characters, the setting of the various books.

112. Life and Teachings of Jesus. This course forms a unit with course 111. A study particularly of the synoptic Gospels for the facts of Jesus' life and the social bearings of his teaching and example.

115. Principles of Religious Education. The principles, problems and programs of religious education as carried on by the local church and community.

116. The Modern Church School. A study of the organization, administration, and aims of the Church School, in its Sunday, week-day and vacation sessions, and its relation to the educational program of the church.

205-206. Field Work in Religion. A course dealing with the methods, programs, and aims of such week-end and other field work in religion as may be undertaken by Denison students, particularly the work of the Gospel Team. Classwork, conferences, and active participation in such work required. Not open to freshmen for credit. For others, one hour of credit per semester. Period to be arranged.

211. Old Testament Prophets. A more thorough study of the life and work of the great prophets; the social and political situation in which they lived, the reforms they sought to accomplish, and the permanent contribution they made to religious life and thought. Prerequisite, course 111.
212. **The Early Church.** This course begins with the account in Acts, lays emphasis on the life and work of Paul, and carries the study to the end of the Apostolic Age. Prerequisite, course 112.

216. **Problems of Religion.** A course that seeks to discover the meaning of religion and its place in human life, in particular to aid in the solution of those religious problems confronted by undergraduate thought. Prerequisites, courses 111-112.


302. **Missions.** History and development of Christian missions. Geographical, racial, religious influences upon the various peoples. The problems and opportunities in the mission fields. The meaning of the present situation. Not offered in 1934-35.

305-306. **Second Year of Field Work in Religion.** Not more than four credit hours in field work in religion may be counted toward graduation. Period to be arranged.

311. **Methods of Teaching Religion.** A practical study of the principles and methods of pedagogy as applied to the teaching of religious subjects for the development of Christian character. Prerequisite, course 110. Not offered in 1934-35.


319. **Psychology of Religious Development.** The religious and moral capacities of childhood and early adolescence, the course of their development, and the agencies available for the cultivation of a wholesome religious life. It is desirable that students first take Psychology 211. Prerequisites, courses 111, 112, 115. Not offered in 1934-35.

321. **Worship and Hymnology.** The nature and function of worship; principles of program making for church services, church schools, young people's meetings, etc. The history of the great Christian hymns and principles of their evaluation. Not offered in 1934-35.

**Sociology**

Mr. Detweiler

A major sequence in this department must include Economics 213-214 and eighteen or more semester hours in Sociology, of
which courses 211, 212, and 319 are required. In addition to the major, the student should take a year of American History and at least one course each in Government, Psychology, and Philosophy. Philosophy 326 will be counted in the major.

211. SOCIAL PROBLEMS. Facts about American society showing the need of sociological study. Such problems as defectiveness, poverty and crime are approached in the attempt to gain a social and scientific point of view. Open to sophomores and juniors.

212. THE FAMILY. The history of the family is treated in detail, ending with a view of present-day family problems. Prerequisite, course 211.

309. SOCIAL ANTHROPOLOGY. Primitive peoples, races of mankind, and the origin and history of culture ("civilization"). The course may be called cultural anthropology.

312. RACE PROBLEMS IN THE UNITED STATES. A detailed study of race problems in America, including immigration. Prerequisite, 3 hours of Sociology.

319. SOCIAL PSYCHOLOGY. The elements of general psychology are presupposed, and a study is made of the processes of group behavior. Prerequisites, Psychology 211, and 3 hours of Sociology.

412. SOCIAL WORK. A course preliminary to later vocational training looking toward family case work in its modern phases. Prerequisites, courses 211-212, and 6 hours of Economics.

SPEECH

MR. CROCKER, MR. WOELHLAF

A major in the department of Speech consists of 24 semester hours, elective.

111-112. ELEMENTS OF SPEECH. An introduction to the fields of speech activity: interpretation, debating, public speaking, acting. Voice, gesture, platform bearing, platform manners, diction, and other important problems of the one who appears before an audience are considered. Extensive practice and criticism. Students will be expected to give fifteen minutes a week for personal conferences. Lectures, text, outside reading, and notebook.

Three sections, I, II, VI, 3. Mr. Crocker.

215-216. DRAMATIC PRODUCTION. The following points will be taken up: theory and practice of stage design; scenery construction; and general production management. Lectures will be given on these subjects. Reading covering these fields will be required. Each student will be requested to do practical laboratory work on each of the major productions. VI, 3. Mr. Woellhaf.

218. SPEECH COMPOSITION. Composition of manuscripts; rhetorical questions that arise will be considered carefully; analysis of speeches of the masters of public address. Mon., VI-VII, 2. Mr. Crocker.

219. INTERCOLLEGIATE DEBATING. The questions to be used in the intercollegiate debates will be studied and members of the teams will be chosen from this class. Lectures, briefs of public questions, research, and much practice before the group. Open to all students who wish to debate, both men and women. A total of six hours in debating may be counted toward graduation. Mon., VI-VII, 2. Mr. Crocker.

221. BUSINESS AND PROFESSIONAL SPEAKING. Delivery of carefully prepared speeches appropriate to business and professional life. Types of business speaking and the personal interview are considered. Lectures, papers, readings, and personal conference with the instructor. IV, 3. Mr. Crocker.

311. THE TEACHING OF SPEECH. History of rhetorical thought, psychology of language, phonetics, the text, collateral reading, the shaping of speech curriculum, the leading of the class hour. (Education). Time to be arranged. Mr. Crocker.

312. RHETORICAL THEORY. Historical and critical survey of the principal theories in regard to speech composition and delivery, from Aristotle to the present time with special emphasis on the classical period. Collateral reading, reports, lectures, papers. Time to be arranged. 2, Mr. Crocker.

315-316. PLAY DIRECTION. The planning, rehearsing, and laboratory production of one full length play will constitute a part of the required work. Extensive reading of plays suitable for production will be required. Prerequisite, 215-216, and consent of the instructor. VI, 2. Mr. Woellhaf.

317-318. THEATRE ARTS. Lectures on the history of the theatre, old and modern stage decoration, acting and actors, costuming, etc. Outside reading confined to biographies of actors, history of the theatre, current theatrical magazines. II, 2. Mr. Woellhaf.
Course 111-112 of the department of Botany may be substituted for Zoology 111-112 as preparation for advanced courses if necessary for the completion of major or pre-professional requirements. Courses 111-112 and 113-114 meet the entrance requirements of medical colleges as a minimum; 211-212 is recommended by all medical colleges in addition and 224 is recommended by all and required by a few. Majors in this department should be arranged with the professor in charge; a major must include 111-112 and 113-114 or an acceptable equivalent and either 211-212 or 223 and 224. Courses 111-112 and 113-114 are essentially the same as course 111-112 of previous years; 111-112 includes all subject matter of general interest while 113-114 is planned as a supplementary course for major students.

111-112. **Animal Biology.** An introductory course in biology based principally but not exclusively upon animals. Topics considered include the properties of living matter, its organization, and the principles of its reaction to environment. Development of the individual, heredity, and evolution are considered briefly. One laboratory exercise per week illustrates the lecture material. Fee, $1.25 per hour of credit. Lectures Mon., Wed., II; T., Th., VI. Laboratory any one of the following two-hour periods: T., Th., I-II, Mon., Wed., VI-VII. 3. Mr. Lindsey, Mr. Morgan.

113-114. **Morphology.** A survey of the animal kingdom based on the study of types of the most important groups. To be taken with 111-112 or afterward. Fee, $3.00 per semester. Laboratory only, two two-hour periods per week, T., Th., I-II; Mon., Wed., VI-VII. 2. Mr. Lindsey, Mr. Morgan.

201. **Physiology.** A study of the normal functions of the human body. Text, lectures and demonstrations. No prerequisites. 1, 3. Mr. Morgan.

211-212. **Vertebrate Zoology and Comparative Anatomy.** A study of the definitive structures, ancestry, ecology, and briefly of the classification of the vertebrates. A little more than one semester is devoted to the comparative anatomy of these animals. Laboratory work consists of detailed dissections and comparative studies of the dog-fish, an amphibian, a reptile
and a mammal, with other subjects at the discretion of the instructor. Fee, $1.25 per hour of credit. Prerequisites, courses 111-112 and 113-114. Lectures, Tues., Thurs., III; laboratory, Wed., Fri., III-IV. 4. Mr. Morgan.

223. HISTOLOGY. A study of the minute structure of vertebrates, chiefly mammals. Laboratory will include both the preparation and study of tissues. Prerequisite, courses 111-112 and 113-114. Fee, $1.25 per hour of credit. Two classes per week and three laboratory periods of two hours each, or three classes and two laboratories, at the discretion of the instructor.


224. EMBRYOLOGY. A study of the formation of the germ cells, cleavage, the germ layers, and the development of adult structures in the vertebrates. Laboratory work includes the study of cell behavior and of the developing frog, chick, and pig. This course should follow 223 but may be taken separately if needed for medical entrance. Prerequisites, courses 111-112 and 113-114. Fee, $1.25 per hour of credit.

Mon., Tues., Thu., III; Wed., Fri., III-IV. 5. Mr. Lindsey.

225-226. EVOLUTION AND GENETICS. A study of the relationship of living things and its scientific explanation. The factors operative in living organisms, the way in which they interact, and the mechanism of their perpetuation or modification through successive generations constitute the chief theme of the course. Credit is not allowed for the first semester alone but the second semester may be taken alone by special arrangement. Prerequisites, courses 111-112.

II. 2. Mr. Lindsey.

227-228. ENTOMOLOGY. The morphology, classification and economic importance of insects, with methods of control. A brief introductory course. Laboratory work includes a survey of insect morphology and enough work in the identification of insects to enable the student to recognize the common families. Prerequisites, courses 111-112. Lectures, Tues., Thurs., IV; laboratory, Mon., III-IV. Fee, $1.25 per hour of credit. Offered only by special arrangement.
SUMMER SESSION

The Summer Session of Denison University is eight weeks in length. The term for 1934 will open on the thirteenth of June. Detailed announcements of the courses and other matters concerning the Summer Session will be made later in a special bulletin. All regulations concerning entrance requirements, requirements for graduation, and the like are in effect in the Summer Session.

For the past two summers almost every division of the University has been in operation. Last summer there were twenty-seven men and women on the staff of instruction, most of whom were members of the regular staff. The wide range of courses offered in practically every division of the University, including courses required for the Elementary Teachers Certificate, makes possible the accommodation of students who may wish to continue their work for the A.B. degree or for a teacher's certificate.

In addition to the general academic opportunities offered, the University endeavors to provide in the Summer Session for all students and teachers who have special interests either practical or theoretical. A special effort is made by the University, through its assembly programs, to bring the students into contact with a number of outstanding men and women in the various fields of human endeavor. Through the Village Players, a dramatic club of some note, many students get an opportunity for special dramatic training. The plays produced in the local theatre by this club provide high class entertainment for the entire community.

Practically the entire equipment of the University—buildings, grounds, libraries, laboratories, gymnasiums, etc.—is available for the Summer Session work.

EXPENSES:

- Registration Fee................................................................. $ 2.00
- Tuition Fee: for eight weeks, one semester hour........................... 5.00
- Rooms: in the dormitories, $2.00 a week................................. 16.00
- Board: approximately $4.50 a week..................................... 36.00
- Laboratory Fees: to be determined by the course.

For special Summer Session catalogue write: Professor E. B. Hawes, Director.
The Conservatory of Music

FACULTY

KARL H. ESCHMAN, A.M.

Fellow of the American Guild of Organists
Director and Professor of Music

Graduate of Denison Conservatory in Piano and Organ; Graduate Student, Harvard University, 1911-12, under Walter R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo Kaun and Piano under Victor Heinze, Berlin; under Erwin Stein and others, University of Vienna, 1929-30.

FANNIE JUDSON FARRAR

Assistant Professor of Music

Piano

Pupil in Piano of J. Emil Ecker, Toledo, Ohio; Constantin Sternberg, Philadelphia; Bertrand Roth, Dresden; Tobias Matthay and Claude F. Pollard, London. Student in Vienna.

WILLIAM M. WELLS

Violoncello

Graduate of the Royal Conservatory, Wurzburg. Member of the Cincinnati Symphony and the Philharmonic Orchestra; for seven years, under Walter Damrosch in the New York Symphony Orchestra.

SAM GELFER

Violin

Pupil of Henry Schradieck, Theodore Spiering, Alois Trnka and Joseph Achron in Violin and of Frederick B. Stivens and R. H. Miles in Theory.
CONSERVATORY OF MUSIC

BRAYTON STARK, A.B., MUS.B., F.A.G.O.

University Organist

Organ and Theory

Graduate of the Guilmant Organ School; post graduate work at the Eastman School of Music; theory with T. Tertius Noble, and organ with Joseph Bonnet, organist of the Cathedral of St. Eustache, Paris. Fellow of the American Guild of Organists; director of music at Christ Church, Corning, N. Y.

SUE HAURY

Piano

Graduate of Bethel Academy and the Peabody Conservatory; postgraduate study at the New England Conservatory and the Juilliard Foundation; Instructor at the Maryland School for the Blind and at Occidental College, Los Angeles. Pupil of Alfred Butler, George Boyle, Richard Stevens and Olga Samaroff.

CAROL M. McNEIL, MUS. B., M.Sc.

Public School Music

Graduate of Illinois Wesleyan University; student at University of Illinois and American Conservatory, Chicago. Supervisor of Music, Newton, Illinois and Momence. Graduate student at Northwestern University.

DOROTHY DUNN, A.B.

Graduate of Miami University, magna cum laude; pupil of Joseph Clokey, Rosa Bartschmidt, Louis Graveure, Alexander Kisselburgh, and Louis Bachner; student, the Mozarteum, Salzburg, Austria, summer 1932; on the faculty of the University of Illinois and Miami (summer session).
GENERAL INFORMATION

ENTRANCE REQUIREMENTS

The requirements for entrance to any of the regular four year courses are the same as those for the college. There are no formal entrance requirements for special students in classes and for private instruction, beyond the evidence of ability to profit by the instruction offered. The work of the year is divided into two semesters (see the University Calendar on page 3), and students may best enter the Conservatory at the beginning of a semester, although private lessons may be taken up at any time. No registrations are accepted, however, for less than the remainder of the semester.

COLLEGE CREDIT

Denison University grants college credit for work in the theoretical courses of the Conservatory, on an equal footing with other elective studies, and a course leading to the degree of Bachelor of Arts may be taken with the Theory of Music as its major subject. Thus students working for the diploma of the Conservatory may at the same time apply the theoretical part of their course toward a bachelor's degree from the University.

REQUIREMENTS FOR GRADUATION

BACHELOR OF MUSIC DEGREE

The Conservatory offers the degree of Bachelor of Music upon the completion of 128 semester hours as outlined on pages
14-15 of the Conservatory Bulletin which can be secured from the Director. Courses 101, 102, 111, 112, 201, 202, 221, 222, 311, 312, 331, 332, 441, and 442 in the Department of Theory are required of all graduates. In addition two years of Solfeggio (four hours each week), forty-eight semester hours of applied music and four hours of ensemble must be completed. The remaining 32 hours are in college subjects.

**Bachelor of Arts with Music Major**

Students may receive the A.B. degree with a major in theoretical music of not less than twenty-four and not more than forty-four semester hours in Music. The requirements are the same as those for a major in any other department of the college, as listed on pages 36-37 of this catalogue.

**Public School Music Course**

A special course for Supervisors of Music in Public Schools is offered, leading to the degree of Bachelor of Music. The 128 hours of this course are listed on page 18 of the Conservatory Bulletin. They are divided into the following main groups: Liberal Arts 30 hours, Education 24 hours, Theoretical Music 40, Applied Music 24, Physical Education 4 hours, and elective 6 hours. The requirements of this course are fixed by the State Department of Education. Thorough and adequate preparation is supplemented by practice teaching in the public schools. All the work is approved by the State Department and graduates receive the State Certificates without further examination.

**Diplomas and Certificates**

The two degrees, Bachelor of Music and Bachelor of Arts cannot be granted in the same year to any one candidate but a student graduating from college who has majored in music and fulfilled certain other requirements as outlined in the Conservatory Bulletin, is granted a Diploma or Certificate on recommendation of the Conservatory Faculty. Each candidate for the diploma must give a public recital during the senior year. To students
substituting a certain amount of work in Normal Training or public school music for the graduating recital and giving promise of aptitude for teaching, a certificate is granted instead of a diploma. Students completing satisfactorily any integral part of the work offered in the various departments of the Conservatory, involving not less than a year's study, may obtain an officially signed statement to that effect, together with a copy of the Registrar's record.

**Music Library**

The music branch of the University Library, consisting of over one thousand volumes of literature and music, is housed at the Conservatory, and is available on the same terms as the main library. There is also a collection of primitive musical instruments of great interest, most of which have been presented by Denison alumni.

**Practice Pianos**

The Conservatory is equipped with practice pianos. Hours and rooms for practice should be engaged at the time of registering, and no other use of instruments or rooms is allowed without special permission.

**Recitals and Concerts**

Student recitals take place frequently throughout the year, and students are expected to attend. All students are under obligation to perform at recitals when so directed by their instructor. Students are not allowed to perform in public without the knowledge and consent of the instructor.

Besides the festivals of the Choral Society and various other concerts, a number of faculty recitals are given during the year, and several artist recitals, most of which are free to Conservatory students.

**Musical Organizations**

(a) *The Elmherson Choral Society.* Mr. Eschman, Director. Membership is open to all who can read music sufficiently well.
Two principal concerts are given each year, with notable artists assisting. According to the present custom, Handel's "Messiah" is sung each year at Christmas, while Gounod's "Faust", Rossini's "Stabat Mater", Mendelssohn's "Hymn of Praise", "Elijah" and "St. Paul", Brahms' "Song of Fate", Bruch's "Fair Ellen", Ware's "Sir Oluf", Debussy's "Blessed Damozel", Haydn's "Creation", Coleridge-Taylor's "Hiawatha", Verdi's "Aida", Franck's "Beatitudes", Bizet's "Carmen" and Mascagni's "Cavalleria Rusticana", Bach's "Passion, According to St. Matthew", and Haydn's "Seasons" are other works recently given. Rehearsals are held on Monday evenings throughout the college year.

(b) The Denison Orchestra. Mr. Eschman, Director. Membership is not limited to students in the University, but offers to anyone of sufficient ability the opportunity of playing classical and modern compositions under suitable direction. The Orchestra assists the Choral Society in presenting some of its oratorios, besides giving at least one concert independently in the spring. Regular rehearsals are held on Tuesday evenings throughout the college year. Membership is free to those admitted.

(c) The Denison Glee Club. This is an organization of forty young men chosen by annual competitive examination from the men of the University community. About twenty concerts are given each year, engagements being filled in Ohio, Pennsylvania, New York, Michigan, Indiana and Illinois. The programs consist of classical numbers, popular glees, and college songs.

(d) The Shepardson Glee Club. This club consists of thirty-two girls, and with the exception of the officers is reorganized each fall by competitive examination. An annual concert is given in May. The club comprises the best voices of the College and Conservatory.

CONSERVATORY BULLETIN

A Bulletin is published containing additional information regarding the Conservatory. A copy may be obtained by addressing Conservatory of Music, Denison University, Granville, Ohio.
EXPENSES IN CONSERVATORY

TUITION PER SEMESTER

In Pianoforte, Voice, Organ, Violin, Violoncello, or Wind Instruments

Two private lessons per week ........................................... $50.00
One private lesson per week .......................................... 27.50

In Advanced Harmony, Counterpoint, Public School Music or History of Music: Class lesson, three hours per week 12.00

In Form, Canon and Fugue, Composition, Elementary Harmony, Terminology, Appreciation, or Orchestration and Conducting: Class Lessons, etc., two hours per week .................................................. 8.00

Student paying regular college tuition may elect "Elementary Harmony" and "Appreciation" without extra charge.

In Solfeggio, I, II, III, and IV, four hours per week.......... 16.00

Rent of piano for practice, per semester hour (i.e., one hour a week for a semester) ........................................... 1.00
Rent of pipe organ for practice per hour .......................... .15

Students taking Conservatory work totaling $50.00 may elect college work, in addition, at the rate of $6.50 per semester hour. All special fees and the hospital fee are required except in the case of students taking only private lessons in the Conservatory.

Rebate: Students dropping music before the middle of the semester must make arrangement for the rebate with the Director of the Conservatory.

DEPARTMENTS OF INSTRUCTION

THEORY AND HISTORY

MR. ESCHEMAN, MR. STARK, MR. HUFF, MISS MCNEIL

College credit may be obtained for any of the numbered courses. Those who intend to complete the theoretical course are advised to take courses 111-112, 221-222, 331-332, and 441-442, in consecutive years.
101-102. The Appreciation of Music. A non-technical course, open to all students of the University. The object is to point out the structural principles of musical art and to show what constitutes real merit in any field of musical activity. The work embraces lectures and analysis, collateral reading and critical reports of current recitals. 

VII, 2. Mr. Eschman.

103-104. Chorus, Orchestra or Band and ensemble training. Three hours are required for one hour college credit. The course can be repeated in successive years as Music 203-204, for a total of four semester hours. 

Arr., 1. Mr. Eschman.

111-112. Elementary Harmony. This course or its equivalent is prerequisite to all higher courses. It embraces a summary of music, a detailed study of the modern system of musical notation, the analysis of rhythm, practice on scale writing, transposition and the use of all the clefs. The work concludes with a study of elementary harmony including triad connection. This course is required of all freshmen planning to graduate from the conservatory. 

IV, 2. Mr. Eschman and assistants.

113-114. Solfeggio. A course in ear training and musical dictation. Fee, $16 each semester. 4 days, VI, 2. Mr. Huff.

201. History of Music to the Eighteenth Century. The work consists largely of assigned reading, with written reports, tests and theses. A collection of primitive instruments serves to illustrate the early stages of music, and typical music of the successive periods is rendered in class so far as possible. Alternates with 311; not offered in 1934-35. 

VI, 3. Mr. Eschman.

202. History of Music from the Eighteenth Century to the present time. Continuation of Course 201. Alternates with 312, and not offered in 1934-35. 

VI, 3. Mr. Eschman.


221-222. Advanced Harmony. Review of intervals and triads; dominant and secondary chords; suspensions; augmented and altered chords; modulations; organ-point; the harmonization
of given melodies in bass or soprano, mostly in four parts, and
the composition of simple original pieces. Solfeggio and element-
tary theory are prerequisite, with knowledge of the pianoforte
sufficient at least to play an ordinary hymn-tune at sight.

I and IV, 3. Mr. Eschman and Mr. Stark.

301. Terminology and Conducting. The elements of music
and conducting as applied to the practice of music in the schools.
IV, 2. Miss McNeil.

302. Orchestration. The study of instruments and their
combinations with the practice of orchestrating for school pur-
poses.
IV, 2. Miss McNeil.

311-312. Musical Form. Study of thematic construction
and elements of composition, through analyses of the principal
instrumental forms, as illustrated in the works of classic and
modern composers. Practice is given in construction of the smaller
musical forms, such as hymn-tune, and the dance forms of the
classical suite. Courses 221-222 must ordinarily precede this work,
but by special permission may be taken in the same years. Alter-
nates with Music 201-2, and will be given in 1934-35.
III, 2. Mr. Eschman.

313-314. Public School Music Methods. This course covers
in detail the work of the various grades and all methods now in
use in the school. Related problems in the psychology of teach-
ing are discussed.

331-332. Counterpoint. The principles of harmony applied
to the melodious treatment of two or more voice parts in
combination. Free harmonization of choral melodies, two, three,
and four part counterpoint in the several orders; contrapuntal and
imitative treatment of subjects in different voices for organ and
strings. Courses 221-222 are prerequisite and some proficiency in
piano playing is required.
III, 3. Mr. Stark.

441-442. Strict Composition. Analysis and composition of
canon and fugue and the advanced forms of polyphonic music.
This is a necessary preparation for the larger and freer forms of
composition. Courses 221-222, 331-332 are prerequisite, with some proficiency in pianoforte or organ playing.

VI, 2. Mr. Eschman.

451-452. Free Composition. First semester, original vocal settings of selected texts; analysis of standard choral works and songs; composition of short pieces for men's or women's voices and for mixed chorus unaccompanied. Later, types of accompaniment figures are studied and settings made with piano or other accompaniment. Second semester, analysis and composition of vocal and instrumental music in the large forms, with writing for orchestral instruments. Prerequisite, courses 441-442.

1, 2. Mr. Eschman.

APPLIED MUSIC

Forty-eight semester hours of credit in applied music (piano, voice, etc.) are required for the Bachelor of Music degree. Eight semester hours are credited toward the Bachelor of Arts degree in the college provided the student is ready for study of music in the third grade of the six grades outlined by the National Music Teachers' Association.

The courses are numbered as follows: Piano, Violin, Violoncello, Voice or Organ 111-112, 211-212, 311-312, and 411-412 for the first, second, third and fourth years in the subject, each course number receiving one hour of college credit per semester for one lesson and five hours practice a week.

Piano, Violin, Violoncello, Voice or Organ 121-122, 221-222, 321-322, 421-422, for the respective years, each course number representing two hours of college credit per semester for two lessons and ten hours practice a week.

PIANO

MISS FARRAR, MISS HAURY

No set course is specified, but the work is adapted to the individual pupil, and the teaching preserves the cultural point of view as much as the professional. Foundations are thoroughly laid in a study of the instrument itself and of the natural laws of
tone production. Technical facility and velocity looking toward an adequate technique are considered merely the basis of artistic interpretation. The principles of expression are taught by means of the music of both classic and romantic composers.

**Voice**  
**Miss Dunn**

The object of this instruction is the correct placing of the voice, so that the tones are even and firm throughout the entire range. Stress is laid on the control of the breath, rhythm, and phrasing, together with enunciation and stage presence. Use is made of the classic song literature of all schools, especially the German, and of our own American song writers.

**Organ**  
**Mr. Stark**

A certain facility at the piano and in sight-reading is necessary and this must be proved to the satisfaction of the instructor, who may prescribe such additional work as may seem advisable in preparation. A good organ touch, comprising legato and staccato playing, steadiness and smoothness of style, are the objective aims.

Carl's Master Studies for Organ and Bach's Little Preludes and Fugues compose the ground work of study. This is followed by sonatas by Mendelssohn, Merkle, Guilmant, selections by Widor, Dubois, Boellman, Lemare, Best, Hollins, Buck and Parker. Special attention is given to hymn playing, accompanying and registration to meet the practical needs of church work.

**Violin and Violoncello**  
**Mr. Gelper, Mr. Wells**

Good tone production and clear intonation receive a large share of attention, followed by studies and special exercises to meet the needs of the individual. As the student becomes more proficient, pieces, sonatas, and concertos by classic and modern
masters will be studied. It is the purpose to work not only for technical proficiency, but also for the higher and broader plane of artistic conception and interpretation. At least two semesters of piano study are required of candidates for graduation. Students are encouraged in ensemble playing, and those sufficiently advanced are admitted to the University Orchestra. The experience thus gained is not the least valuable part of the training, and is required of candidates for graduation.

**ENSEMBLE CLASSES**

(a) Solfeggio I-II. Four hours per week, First Year.
   VI. Mr. Huff.

Solfeggio III-IV. Four hours per week, Second Year.
   VII. Mr. Huff.

This work, or a satisfactory equivalent is required of all candidates for graduation in any department of the Conservatory.

The course is provided to meet the needs of all who are in any degree deficient in the fundamental principles of music, such as rhythm, intervals, and scales, or who are unable to read vocal or instrumental music readily at sight. It includes both ear-training and sight-singing.

(b) Normal Class—Miss Farrar. This course is offered at the request of piano students, and is designed as preparation for the teaching of piano. One year of harmony and piano in the Conservatory are prerequisites.

(c) Piano Classes—Miss Farrar and Miss Haury. Ensemble classes are maintained in piano, both duet and quartette work being done. The classes are free to all registered in the Conservatory, and this work is required of all pupils sufficiently advanced.

(d) String Classes—Mr. Gelfer and Mr. Eschman. As far as material offers practice is held in trio and quartette work, with performances in public on suitable occasions. Advanced pupils are coached in ensemble with piano.
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M. L. BARRINGER, ASSISTANT TREASURER

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Ex-Officio
President of the University

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Rev. Millard Brelsford*, A.B., D.D. 1885 Grassmere St., East Cleveland
Edward Canby
Rev. Tileston F. Chambers, D.D. Granville
Rev. Henry T. Crane, D.D. 2427 Auburn Avenue, Cincinnati
Cyrus S. Eaton, A.M. Otis & Co., Cuyahoga Building, Cleveland
Julius G. Lamson 214 Erie Street, Toledo
Howard Lewis*, A.B. Nichols Building, Toledo
Harry C. Royal Ernst & Ernst, Union Trust Building, Cleveland
Franklin G. Smith 5401 Hamilton Avenue, Cleveland

Class II—Term Expires June, 1935

Frederick P. Beaver Perry Street, Dayton
W. Porter Beck*, B.S., M.S. 8971 Eastwood Road, Wilkinsburg, Pa.
Charles F. Burke*, B.S., M.S. 375 Riverside Drive, New York City
Wallace H. Cathcart*, B.S., L.H.D. 10700 Euclid Avenue, Cleveland
William D. Chamberlin
Alfred M. Colby*, Ph.B. Woodland Road, Mansfield
Edwin A. Deeds*, B.S., D.Eng. 20 Exchange Place, New York City

*Alumnus of Denison University.
†Deceased January 4, 1934.
Committees of the Board of Trustees

*The first person named is chairman.*

**Executive:** Colby, Brelsford, Chambers, Legler, Lewis, Smith.

**Finance and Investment:** Royal, Beaver, Chamberlin, Canby, Legler, Green, Smith.

**Budget:** Green, Brelsford, Cathcart, Colby, Coons, Royal, Smith.

**Buildings and Grounds:** Smith, Beck, Deeds, Eaton, Swasey.

**Gifts and Bequests:** Burke, Green, Legler, Lewis, Shorney, Wiltsee.

**Instruction:** Cathcart, Brelsford, Chambers, Colby, Hooper, Phillips, Seasholes.

*Alumnus of Denison University.*
The Faculty

(Arranged in order of appointment to present rank)

Avery Albert Shaw..........................President

George F. McKibben.......................Professor Emeritus of the Romance Languages
A.B., Denison, 1875; A.M., Denison; Ph.D., Chicago, 1905.

Kate S. Hines...............................Librarian Emeritus
A.M., Denison.

H. Rhodes Hundle.........................Professor and Dean of Doane Academy
A.B., Richmond, 1888; Grad. Crozer Seminary, 1895; A.M., Denison, 1910; D.Sc., Bucknell, 1900.

Willis A. Chamberlin.....................Professor of Modern Languages

Malcolm E. Stickney......................Professor of Botany

Paul Biefeld.....................Professor of Astronomy and Director of Swasey Observatory
B.S. in E.E., Wisconsin, 1894; Ph.D., Zurich, 1900.

Forbes B. Wiley.........................Benjamin Barney Professor of Mathematics
A.B., Kalamazoo, 1906; A.B., Chicago, 1906; Ph.D., Chicago, 1914.

Thomas A. Lewis...........................Professor of Psychology
A.B., William Jewell, 1905; Ph.D., Johns Hopkins, 1910.

William Clarence Eraugh................Professor of Chemistry
B.S., Pennsylvania, 1898; Ph.D., Pennsylvania, 1901.

Walter J. Livingston....................Professor of Physical Education
B.S., Denison, 1909.

Karl H. Eschman.........................Professor of Music and Director of the Conservatory

Frederick G. Detweiler....................Professor of Sociology—Dean of Men
A.B., Denison, 1917; B.D., Colgate-Rochester Divinity School, 1908; Ph.D., Chicago, 1922.

Lindley Richard Dean....................Eliam E. Barney Professor of Classical Languages
A.B., Dartmouth, 1909; Ph.D., Princeton, 1914.

Arthur Ward Lindsey.....................Professor of Zoology
A.B., Morningside, 1916; M.S., Iowa, 1917; Ph.D., Iowa, 1919.

Frank J. Wright.........................Professor of Geology
A.B., Bridgewater, 1908; A.M., Virginia, 1911; Ph.D., Columbia, 1918.

†Deceased January 26, 1934.
JOSEPH L. KING
Professor of English
A.B., Richmond, 1913; A.M., Columbia, 1922; Ph.D., Columbia, 1927.

FREDERICK W. STEWART
Professor of Religion
A.B., Rochester, 1901; A.M., Rochester, 1907; B.D., Colgate-Rochester Divinity School, 1914.

HELEN A. BARR
Professor of Physical Education

E. BASIL HAWES
Professor of Education
Ph.G., Starling Med. Col., 1908; B.S., Ohio State, 1913; M.S., Ohio State, 1914.

BRUCE D. GREENSHIELDS
Professor of Engineering Science

LEON E. SMITH
Henry Chisholm Professor of Physics
B.S., Ottawa, 1919; Ph.D., Pennsylvania, 1926.

HAROLD H. TITUS
Maria Theresa Barney Professor of Philosophy
A.B., Acadia, 1920; B.D., Colgate-Rochester Divinity School, 1923; Th.M., 1924; Ph.D., Chicago, 1926.

LIONEL CROCKER
Professor of Speech
A.B., Michigan, 1918; A.M., Michigan, 1921; Ph.D., Michigan, 1933.

AUGUST OBERECHT
Professor of Modern Languages
Ph.G., Ohio State, 1895; B.Ph., Denison, 1906; A.M., Denison, 1907.

WILLIAM T. UTTER
Professor of History and Government
B.S., N. W. Missouri State Teachers College, 1921; A.M., Chicago, 1924; Ph.D., Chicago, 1929.

HELEN OLNEY
Dean of Women

LELAND J. GORDON
Professor of Economics

ANNA B. PECKHAM
Associate Professor of Mathematics

ANNIE M. MACNEILL
Associate Professor of English
A.B., McMaster, 1903; A.M., Columbia, 1919.

ERI J. SHUMAKER
Associate Professor of English

W. ALFRED EVERHART
Associate Professor of Chemistry
A.B., Muhlenberg, 1914; M.S., Lehigh, 1922; Ph.D., Ohio State, 1930.

FANNIE JUDSON FARRAR
Assistant Professor of Music
B.S., Denison, 1920; M.S., Denison, 1925.

ALMA B. SKINNER
Assistant Professor of Modern Languages
Ph.B., Denison, 1905; A.M., Columbia, 1925.
FACULTY

JOHN LARMORE .................................................. Assistant Professor of English

EDSON RUPP .................................................. Assistant Professor of Mathematics
Ph.B., Denison, 1913; M.S., Denison, 1923.

SYDNEY JENKINS .................................................. Assistant Professor in Physical Education
B.S., Denison, 1920.

DANNER LEE MAHood .............................................. Assistant Professor of English
B.S., Davidson, 1922; M.S., Virginia, 1923.

GEORGE D. MORGAN .............................................. Assistant Professor of Zoology
B.S., Denison, 1924; M.S., Pittsburgh, 1926.

F. Deway AMNER .............................................. Assistant Professor of Modern Languages

A. COLLINS LADNER .............................................. Assistant Professor of Mathematics and Engineering
A.B., Brown, 1912; A.M., Brown, 1913.

THOMAS R. WILLEY .............................................. Assistant Professor of Modern Languages
A.B., Ohio State, 1923; A.M., Ohio State, 1927.

Harvey A. DeWEERD .............................................. Assistant Professor of History and Government
A.B., Hope College, 1924; A.M., Michigan, 1925.

ANNE LOUISE CRAIGIE .............................................. Librarian
A.B., Rochester, 1913; B.S., Simmons, 1916.

Charlotte Rice* .............................................. Assistant Professor of Psychology
A.B., Ohio Wesleyan, 1926; Ph.D., Johns Hopkins, 1929.

ChosaburO Kato .............................................. Assistant Professor of Mathematics
B.S., Denison, 1925; M.S., Chicago, 1927.

George E. Rich .............................................. Assistant Professor in Physical Education
A.B., Michigan, 1928; L.L.B., Michigan, 1930.

Charles L. Major .............................................. Assistant Professor of Education

Howard A. Baker .............................................. Assistant Professor of Economics
A.B., Swarthmore, 1929.

Richard WoefflHaf .............................................. Assistant Professor of Speech
A.B., Michigan, 1927; A.M., Michigan, 1930.

Albert A. Roden .............................................. Assistant Professor of History and Government
A.B., Oberlin, 1928; D.Sc.Pol., Brussels, 1932; Ph.D., Georgetown, 1933.

Seth Edson Haven .............................................. Assistant Professor of Psychology
B.S., Ohio University, 1927; A.M., Ohio State, 1928; Ph.D., Ohio State, 1933.

William Wells .................................................. Instructor in Violoncello

Samuel Gelfer .................................................. Instructor in Violin

*On leave of absence. 1933-1934.
Thomas Rogers  
Ph.B., Denison, 1925. 

Instructor in Physical Education

William N. Felt  
A.B., Clark, 1926; A.M., Middlebury, 1931. 

Instructor in Modern Languages

Brayton Stare  

Instructor in Organ

Sue Haury  
B.Sc., Ohio State, 1925; A.B., Ohio State, 1926; A.M., Ohio State, 1929. 

Instructor in Piano

Gwendolen Carlyle McQuire*  
B.Sc., Ohio State, 1925; A.B., Ohio State, 1926; A.M., Ohio State, 1929. 

Instructor in Education

Carol M. McNeil  

Instructor in Public School Music

Reginald W. Whidden  
A.B., McMaster, 1923; A.M., McMaster, 1928. 

Instructor in English

Dorothy Dunn  
A.B., Miami, 1925. 

Instructor in Voice

Mary LouiseRalston  
Ph.B., Denison, 1928; M.A., Ohio State, 1932. 

Instructor in Education

Horace King  
A.B., Ohio State, 1929; M.A., Ohio State, 1931. 

Instructor in Art

Arthur Huff  
A.B., Denison, 1928. 

Instructor in Solfeggio

Dorothy Detweiler  
A.B., Denison, 1927. 

Instructor in Modern Languages

*On Leave of absence, 1933-1934.

Officers of Administration

President

Frederick G. Detweiler, A.M., Ph.D.  
Dean of Men

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Secretary of the Alumni

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Assistant in Library

Sarah Davis, A.B.  
Assistant in Library

Mrs. N. H. Overturf  
Assistant to Registrar

Martha Geach  
Assistant to Bursar

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Director of Women's Dining Halls
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MRS. EUGENE WOLFE, Ph.B.  Assistant to Alumni Secretary
RUTH HOFKINS, R.N.  Nurse
ESTHER PATTEN, R.N.  Assistant Nurse
MRS. ELIZABETH COOPER  House Mother in Parsons Hall
Mildred Johnson, A.B.  Secretary to Registrar

Committees of the Faculty, 1933-1934

The first named is chairman.


Absences: Olney, Detweiler, Kato, Peckham, Stewart.

Admission: Fitch, Bjelke, Detweiler, Olney, Johnson.

Athletics: Livingston, Barr, Johnson, Olney, Shumaker, Skinner.

Budget: Shaw, Coons, Dean, Gordon, Wright.

Catalog: Dean, Fitch, Ladner, Rupp, Shumaker.

Chapel: Utter, Amner, Felt.

Community Service: Stickney, Bjelke, Coons, Howe, Jenkins, Odebrecht, Wells, T. R. Wiley.

Curriculum: Detweiler, Dean, King, Lindsey, Olney, Smith, Utter.

Debate and Oratory: Crocker, MacNeill, Olney, Roden, Woellhaf.

Fraternities: Sigma Chi, Jenkins; Beta Theta Pi, Rupp; Phi Gamma Delta, Mahood; Kappa Sigma, Odebrecht; Phi Delta Theta, Hundley; Lambda Chi Alpha, Johnson; Sigma Alpha Epsilon, Crocker; Beta Kappa, Lewis; American Commons Club, Dean.

Freshmen Orientation: Wright, Baker, Barr, Detweiler, Livingston, Olney, Roden, Rogers, Williams.

Honorary Degrees: Chamberlin, Dean, Gordon, Wright.

Improvement of Teaching: F. B. Wiley, King, Gordon, Lindsey, Titus.

Library: Shaw, Chamberlin, Craigie, Lindsey, Utter.

Music: Eschman, Crocker, Dunn, Gelfer, McNeil.

Plays and Musical Performances: Crocker, Badenoch, Haury, King, Mahood, Stark, Woellhaf.

Registration: Fitch, Detweiler, Olney, Smith, F. B. Wiley.

Research: Ebaugh, Biefeld, Lindsey, Stickney, Utter, Wright.

Rules and Regulations: Eschman, DeWeerd, Greenshields.
Schedule: Fitch, Everhart, Howe, Larmore, Morgan.
Student Affairs: Titus, Barr, Detweiler, Mahood, Olney, Rich.
Student Aid: Johnson, Detweiler, Fitch, Olney.
Student Health Council—Faculty: Shaw, Barr, Johnson, Livingston, Wells,
Williams; Students: Barbara Jackson, William Kemper.
Student Publications: King, MacNeill, Odebrecht, Whidden.
Teaching Appointments: Hawes, Major, Ralston.

FACULTY MEMBERS OF THE BOARDS OF CONTROL

(Elected for terms of three years. Numbers in parenthesis indicate the year in which the terms expire. All terms expire in January.)

Athletics—Men: Johnson (1935), Livingston (1936), Shumaker (1937).
THE SOCIETY OF THE ALUMNI

An organization founded in 1846 composed of the graduates and former students of Denison University for the purpose of assisting the college as circumstances may require. The Society maintains a central office, employs an executive secretary and an assistant, publishes the Alumni Bulletin and cooperates with the administration of the college in promoting the interests of the college, working with the alumni membership and with friends of the institution.

OFFICERS OF THE SOCIETY AND MEMBERS OF THE COUNCIL

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Executive Secretary, John L. Bjelke, Granville, Ohio
Assistant Secretary, Mary S. Wolfe, Granville, Ohio
Robert M. Collett, '14, Dayton
Eugene Exman, '22, New York
Clara Olney Goodwillie, '22, Chicago
Ford R. Weber, '21, Toledo
Lee Shepard, '05, Cincinnati
Margaret Seasholes Riggs, '20, Newark
George M. Roudebush, '15, Cleveland
Margaret Gooch Barney, '14, Dayton
Lester Black, '14, Newark
Francis W. Shepardson, '82, Granville
Sara Taylor Woodyard, '17, Toledo
Phil S. Bradford, '12, Columbus

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Harold C. Phillips, Cleveland; V. Ernest Field, Indianapolis; †W. H. Johnson, Columbus.

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(Association president's names and addresses are given)

Associations outside of Ohio

Baltimore-Washington

Dr. H. C. McNeil, 1210 Decatur St., N.W., Washington, D.C.

Boston

Henry K. Holt, 14 Farwell Ave., Melrose Highlands, Mass.

†Deceased January 4, 1934.
Chicago
John W. Beattie, 2914 Colfax St., Evanston, Ill.

Colorado Miss R. Maude Ditmars, Colorado Woman's College, Denver

Detroit Robert Blackmur, 12048 Prairie Ave., Detroit, Michigan

New York Homer Wickenden, 122 E. 22nd St., New York City

Niagara-Frontier Charles E. Kempton, 45 Paine St., East Aurora, N. Y.

North Carolina Louis Gaines, 414 S. State St., Lexington, N. C.


Rochester Charles Carver, 93 Britton Road, Rochester, New York

St. Louis Frank Krub, 7501 Milan Ave., St. Louis, Mo.

Southern California Hugh Campbell, 407 N. Occidental Blvd., Los Angeles

**Associations in Ohio**

Akron Frank Whittemore, 502 Central Savings and Trust Bldg.

Cambridge Albert Van Beach, 921 Wheeling Avenue

Canton John Locke, 1014 Renkert Building

Cincinnati Lee Shepard, 1327 Sun Crest Dr., Hyde Park

Cleveland Richard Barrington, 3373 Lownesdale Rd., Cleveland Hts.

Cleveland Alumnae Grace McCune, 2042 E. 77th St.

Columbus Forrest Loveless, Ohio Bell Telephone Co.

Coshocton Mrs. Robert Hopkins, Coe Avenue

Dayton William P. Huffman, 324 East Third Street

Marion Charles Merkel, 325 Mt. Vernon Avenue

Middletown Edward Jones, 2009 Elmo Place

Mt. Vernon Mrs. Earl Williams, Newark Road

Norwalk Carl Seibel, 308 East Main Street

Springfield Dr. Munsell Lane, 1328 Garfield Avenue

Toledo Philip Shaefer, 2111 Calumet Avenue

Xenia Karl Babb, Xenia

Zanesville Nelson Grube, 2134 Norwood Blvd.
Degrees Conferred in June, 1933

HONORARY DEGREES
John Ernest Carhartt, Doctor of Divinity
William Henry Fowle, Doctor of Divinity
George Eliott Coghill, Doctor of Science
Alexander Grant Ruthven, Doctor of Laws

BACHELOR OF ARTS

Ethel Virginia Augenstcin
Ruth Lillian Bigglestone
Frances Evelyn Bingham
Rachel Boynton
Kathryn Margaret Braunschweiger
Wilhelmina Breitenwiescher
Bertha Brown
Mildred Lloyd Chambers
Ruth Frances Christopherson
Elizabeth May Clark
Muriel Coghill
Henrietta Adella Collctt
Dorothy Elizabeth Collins
Alice Jean Dawson
Fern Marie Dennis
Virginia Mae Diehl
Claire Gladys Dobson
Mary Frances Durnell
Louise Wilhelmina Eichhorn
Virginia May English
Frances Upson Flory
Emma Josephine Gibbs
Mary Kathryn Goodyear
Ada Augusta Grafenstadt
Helen Elizabeth Greene
Edith Eleanor Gutzeit
Miriam Wilson Harrison
Lucile Herrin
Catharine Louise Horner
Margaret Emma Hutchinson
Patricia Annette Ireland
Elhora Maude Krebs
Mary Jane Lamson
Esther Louise Landrum

Wilma Louise Lawrence
Ruth Elizabeth Leedy
Gwendolyn Mabel Light
Margaret Dorothy Little
Kathryn Viola Luebben
Janet McDowell
Alice Pearce Mathewson
Charlotte Elizabeth Merchant
Catharine Louise Miller
Elizabeth Rosalind Mosher
Martha Rheuba Mouser
Florence Louise Ohenland
Lois Elizabeth Oldham
Frances Pease
Annabel Lee Pierce
Kathryn Ann Platt
Ruth Janette Potter
Ruth Elizabeth Shewmon
Alice Virginia Starkey
Mary Eleanor Sweet
Faye Pearl Thomas
Mabel Elizabeth Throckmorton
Ruth Virginia Thurmond
Virginia King Van Beuren
Dorothy Elizabeth Van Voorhis
Edna Wedel
Carolyn Mary White
Ruth Dickey White
Isabelle Bertha Yaggi
Mildred Elizabeth Zimmer
Lawrence Rex Zimmer
Samuel Albert Anderson
Kalman Dale Archibald
Hazen Robert Armstrong
Charles Parker Baker
Charles Dana Barker
Wendell Tunis Barnes
John Hamilton Beck
Charles Edward Bradley
Robert Newton Bridge
Charles Arthur Broughton
Charles Gailey Brown, Jr.
Paul Russell Cherney
Erving Garfield Conklin
George Earnest Cooper
Thomas Tuttle Craig
William Crap
William Edward Denny
Robert William DePuy
Frederick Oswalt Detweiler
Thomas Edwyn Dickerson
William Gibson Diblone
Wilfred Lawson Eatsough
Frank Latimer Elliott
Glen Curtis Ellison
Henry Wendell Fink
Joseph Wayne Gabel
Paul Sailor Garwood
Lawrence Otto Grant
James Robert Green
John Corby Gregg
James Prior Huchison
Richard Merrill Home
James Harry Humphreys
Daniel Calvin Jenkins
Lee Thomas Johnson
Roderic Miller Jones
Susumu Kawakami

Diplomas in Conservatory
Muriel Coghill, Piano
Dorothy Elizabeth Van Voorhis, Piano

Certificates in Public School Music
Fern Marie Dennis
Alice Pearce Mathewson
Ruth Elizabeth Shewmon
Eleanor Colby McCann

Bachelor of Music
Alice Virginia Starkey
Dorothy Elizabeth Van Voorhis
Isabel Bertha Yaggi

Brayton Stark
Degrees Conferred in September, 1933

BACHELOR OF ARTS
Minnie Maurine Bishop
Marian Wilson Calvert
Oleda Pauline Hoover
Joseph Victor Ball, Jr.
Emerson La Verne Fishbaugh
Howard Thomas Grendon
Norman Cover Johnson
Reynolds Martin Lair
Robert Oliver Swain
Glenwood DeGold Weidemaier

BACHELOR OF PHILOSOPHY
John Dwyer McClung
Degree granted as of 1927.

Honors and Prizes Awarded in 1933

ELECTION TO MEMBERSHIP IN PHI BETA KAPPA

SENIORS
Frances Bingham
Jean Dawson
Gibson Dildine
Joseph Gabel
Wilma Lawrence
Margaret Little
Florence Obenland
*Charles Stoneking
Mildred Zimmer

JUNIORS
Ernest Jensen
The Harmon Freshman Latin Prize
Miriam Dickerson

The Freshman Chemistry Prize
Edward Bordner

The Gilpatrick Scholarship for Excellence in Mathematics
Charles Stoneking

The Woodland Chemistry Prize
First, Elmer Melick
Second, Marion Moreland

The Lewis Prize Contest
First, Arthur Mentall
Second, Frederick Sweet
Third, Herman Klein
*Elected in Junior Year.
Fourth, Samuel Anderson
CHI OMEGA SOCIOLOGY PRIZE
Edith Gutzeit

SENIOR RESEARCH PRIZE IN ECONOMICS
Clare Sharkey

PHI ALPHA THETA HISTORY PRIZES
Senior Major, Edwyn Dickerson
American History, Howard Keech

MATHEMATICS CLUB COMPETITIVE PRIZES
FOR FRESHMEN
First, Dorothy Fuller
First, Eva Fitch
Wilma Lawrence

FOR UPPERCLASSMEN
Second, Mildred Hull
Second, Jean Dawson

GENERAL HONORS
Charles Stoneking

DEPARTMENTAL HONORS
Jean Dawson, Mathematics
Mary Jane Lamson, Mathematics
Wilma Lawrence, Latin
Mary Sweet, Physical Education
Dorothy Van Voorhis, Music
Joseph Gabel, Mathematics
Charles Stoneking, Engineering Science, Mathematics
Lauri Warnimint, Physical Education

ANNUAL HONORS
Carlyn Ashley
Agnes Darrow
Miriam Dickerson
Anna Louise Frost
Dorothy Fuller
Mary Barbara Hunter
Margaret Huston
Mary Jane Keeling
Dorothy Martin
Sally Menaul
Louise Mittendorf
Virginia Lee Shepard
Virginia Smith
Glenna Snapp
Charlotte Talbott

Elizabeth Thomas
Louise Wagner
Mary Ellen Wooten
Richard Ashley
John Howard Bigelow
Sherwood Blasdel
Edward Bordner
John Doughty
Frank Hollingsworth
Richard James
Ernest Jensen
Howard Keech
Kenneth Maxwell
Clinton Nichols
John Stevenson

William Umbach
HONOR STUDENTS

“A” STUDENTS

Carlyn Ashley
Dorothy Fuller
Dorothy Martin

Martha Ann Shepardson
Glenna Snapp
Clinton Nichols

ELECTION TO MEMBERSHIP IN PHI SOCIETY

Agnes Darrow
Miriam Dickerson
Lalah Emerson
Phyllis Freeman
Anna Louise Frost
Dorothy Fuller
Jane Gregory
Alice Hartman
Harriet Herron
Mildred Hull
Mary Barbara Hunter
Pauline Jackson
Louise Mittendorf
Miriam Morris

Constance Palmer
Virginia Lee Shepard
Pauline Shryock
Charlotte Talbott
Louise Wagner
Neva Whitmore
Mary-Ellen Wooten
Joseph Bainer
John Howard Bigelow
Edward Bordner
John Doughty
Edson Rupp
William Snyder
Ernest Spring

Joseph Sweeder
# Student Enrollment

(For the First Semester 1933-1934)

## SENIORS

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<td>Oxley, Marguerite</td>
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<td>Oxrieder, Mona</td>
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</table>

134
Renshaw, Mary ................................................................. Baltimore, Md.
Richardson, Phyllis ......................................................... Williamsburg, Ky.
Roth-Wheeler, Mrs. Ruth .................................................... Granville
Schneller, Margaret ............................................................ River Forest, Ill.
Shilling, Mary ................................................................. East Cleveland
Shepard, Barbara ............................................................... Granville
Shepardson, Martha Ann ..................................................... Granville
Smith, Virginia ................................................................. Granville
Sommers, Julia ................................................................. Dayton
Tegardin, Betty ................................................................. Toledo
Thompson, Roberta ............................................................. Coshocton
Toren, Dorothy ................................................................. River Forest, Ill.
Varnell, Ednah Mae ............................................................ Chicago, Ill.
Viall, Jane ............................................................ Rochester, N. Y.
Weeks, Jennie ................................................................. Kansas City, Mo.
Willsey, Florence .............................................................. Cleveland
Wingert, Lucile ................................................................. Granville
Wisch, Hazel ................................................................. Niagara Falls, N. Y.
Wood, Thelma ................................................................. Ironton

Anderson, Vernon ............................................................. Cleveland
Ashbrook, Paul ................................................................. Granville
Bachrach, Alexander .......................................................... Plymouth
Bacon, Edwin ................................................................. Mansfield
Bailey, Evan ................................................................. North Scituate, Mass.
Bailey, James ................................................................. Hershey, Pa.
Baird, Richard ................................................................. Oak Park, Ill.
Barth Wade ................................................................. Lakeview
Blasdel, Sherwood .......................................................... Amarillo, Texas
Blum, Karl ................................................................. Cincinnati
Boylan, Burson ................................................................. Youngstown
Boyles, Elwood ............................................................... Oak Park, Ill.
Campbell, Charles ......................................................... Washington C. H.
Claugus, Audrey ............................................................... Newark
Coulton, Jay ................................................................. Lakewood
Crandell, Judson ............................................................... Newark
Davis, Clifford ................................................................. Biddeford Pool, Me.
Dix, Carr ................................................................. Toledo
Dix, David ................................................................. Cambridge
Espey, Hugh ................................................................. Xenia
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<td>Shauck, Charles</td>
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STUDENT ENROLLMENT

Sloat, Donald.......................................................... Hartford, Conn.
Spear, Edward.......................................................... Cleveland
Stevenson, John....................................................... Wellston
Valentine, William.................................................... Granville
Watkins, Richard..................................................... Massillon
White, Charles......................................................... Chicago, Ill.
Wickham, Stewart..................................................... East Cleveland
Winsor, Herbert....................................................... Chicago, Ill.
Wood, Wendell.......................................................... Spencerville

JUNIORS

Addenbrooke, Constance................................................. Wilmette, Ill.
Ashley, Carlyn.......................................................... Kenosha, Wis.
Barton, Viva..................................................................... West Hartford, Conn.
Belknap, Constance....................................................... Mansfield, Pa.
Brooks, Maude................................................................ Shaker Heights
Clifford, Carolyn.......................................................... Ashtabula
Collins, Marjory............................................................. Norwood
Conley, Helen................................................................ Mt. Vernon
Cook, Gladys.................................................................. East St. Louis, Ill.
Cooper, Ann Linda......................................................... Newark
Cunningham, Charlene..................................................... Columbus
Detweiler, Muriel........................................................... Granville
Dorr, Carol.................................................................... Snyder, N. Y.
Doughty, Mary.............................................................. Beacon, N. Y.
Eddy, Martha................................................................. Granville
Evans, Shirleymae........................................................ Oak Park, Ill.
Ewell, Jean................................................................... Rochester, N. Y.
Gage, Marjorie................................................................ Cleveland
Gault, Olive.................................................................. Youngstown
Gibbs, Patricia............................................................. Columbus
Griffin, Mary Nell........................................................ Norwood
Griffith, Dorothea........................................................ Newark
Harper, Bee................................................................ Cincinnat
Harrison, Thelma.......................................................... Aspinwall, Pa.
Hartshorn, Dorothy......................................................... Cleveland Heights
Hess, Helen Louise......................................................... Ashland
Hooper, Dorothy.......................................................... East Cleveland
<table>
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Student Enrollment

Alexander, Robert .......................................................... Dayton
Allen, Fred ................................................................. Wadsworth
Amos, Robert ............................................................... Cambridge
Ashley, Richard ............................................................. Kenosha, Wis.
Atwater, John ............................................................... Indianapolis, Ind.
Border, Jess ................................................................. Middletown
Bowerman, Emert ............................................................ Homeworth
Brintnall, Arthur ............................................................. Madison
Brown, Herbert .............................................................. Zanesville
Chapman, Robert ............................................................ Granville
Clark, John ................................................................. Shortsville, N. Y.
Coelho, Richard ............................................................. Newark
Dorsey, William ............................................................. Urbana
Doughty, Francis ............................................................ Beacon, N. Y.
Ebaugh, Paul ................................................................. Granville
Eckhardt, Henry ............................................................. Wilkinsburg, Pa.
Evans, Jack ................................................................. Hamburg, N. Y.
Ferguson, Thomas .......................................................... Akron
Frederickson, Charles ..................................................... Coshocton
Gibbud, John ................................................................. Naugatuck, Conn.
Greenlee, Charles .......................................................... La Grange, Ill.
Hage, Thomas ............................................................... River Forest, Ill.
Harman, Richard ........................................................... Upper Sandusky
Hatch, John ................................................................. La Grange, Ill.
Hayes, Woodrow ............................................................ Newcomerstown
Helfrick, Charles ............................................................ Cleveland Heights
Hemingway, William ........................................................ Cleveland Heights
Holingsworth, Frank ....................................................... New Philadelphia
Hundley, Marion ............................................................. Granville
Isenhart, Raymond ......................................................... Dayton
James, Richard .............................................................. Newark
Klunder, Harvey ............................................................ Wilmette, Ill.
Lanning, Adrian ............................................................ Dennison
Leitch, Robert .............................................................. Cleveland Heights
McKechnie, David ........................................................... Madison
McKee, Wade ............................................................... East Cleveland
Martin, Ira ................................................................. Portsmouth
Marvin, Robert ............................................................. Cleveland Heights
Mawhinney, Matthew ...................................................... Pittsburgh, Pa.
Maxwell, Kenneth .......................................................... Wilkinsburg, Pa.
Mittendorf, Albert .......................................................... Toledo
Montgomery, John .......................................................... Newark
Nichols, Clinton ............................................................. Wilmington
Nicola, Sam ........................................ Shaker Heights
Norton, George ..................................... Berwyn, Ill.
Olt, John ........................................... Dayton
Osmond, John ....................................... Cleveland
Otis, James ......................................... Celina
Parr, Dale ........................................... Newark
Peters, William ...................................... Clearfield, Pa.
Railsback, David ................................... Cleveland
Rees, Edward ....................................... Corning, N. Y.
Senhauser, Edwin ................................... New Philadelphia
Shilling, Ellis ....................................... Columbus
Shoop, Miller ....................................... Corry, Pa.
Smith, Edward ...................................... Dayton
Stull, Charles ...................................... Granville
Taylor, Robert ..................................... Granville
Volkens, Milton ..................................... Chicago, Ill.
Waldorf, Elbert ..................................... Painesville
Warren, Lucian ..................................... Jamestown, N. Y.
Wickenden, Grover ................................... Maywood, Ill.
Wiley, Harold ....................................... Granville
Woxman, Carl ....................................... Dayton
Zimmer, Carl ........................................ Adams Mills

SOPHOMORES

Amos, Mary Elizabeth ................................ Cambridge
Bailey, Jane ......................................... Lakewood
Ball, Catherine ....................................... Parkersburg, W. Va.
Ball, Elizabeth ....................................... Zanesville
Barrick, Lauramae ................................... Canton
Bayless, Marian ...................................... Cambridge
Beggs, Frances ....................................... Granville
Binder, Jeannette ................................... Newark
Bird, Marjory ........................................ Youngstown
Brewer, Marion ...................................... Euclid
Bryan, Mary Jayne .................................. Shaker Heights
Chappelear, Maxene ................................ Circleville
Chase, Eleanor ...................................... Closter, N. J.
Claypool, Jane ...................................... Mt. Vernon
Clement, Georganna ................................ Zanesville
Conway, Dorothy .................................... Evanston, Ill.
Cook, Vangeline .................................... Mansfield
STUDENT ENROLLMENT

Darrow, Agnes.........................................................Granville
Deckman, Mary K....................................................Pittsburgh, Pa.
Desmond, Katherine Florence.........................................Corry, Pa.
Dickerson, Miriam....................................................Newark
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Gregory, Jane.........................................................Bexley
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Halsey, Elizabeth.....................................................Granville
Hanna, Marjorie.......................................................Wellington
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Hartman, Alice.........................................................Alexandria
Heron, Harriett......................................................Mt. Vernon
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Jenkins, Gwendolyn..................................................Canton
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Kelly, Catherine....................................................Chicago, Vermillion
Kessinger, Florence................................................Jackson
Kydd, Lorna..........................................................Lakewood
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McCullough, Mary...................................................Findlay
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Wathne, Borghild ................ Granville
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Yaggi, Lillian .................. New Philadelphia

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Allison, Thomas .................. Wilmette, Ill.
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Arnold, Neill ..................... Leonia, N. J.
Austin, Joseph .................. Ashtabula
Baker, George .................. Washington C. H.
Banning, Charles ................ Mt. Vernon
Beebower, Clarence ............. Cleveland
Beitler, William ................. Cleveland Heights
Bender, James .................. Columbus
Biggar, James .................. Buffalo, N. Y.
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**ADDITIONAL ENROLLMENT FOR THE SECOND SEMESTER 1932-1933**

*not included in catalog of February, 1933. Classification as of 1932-1933.*

**SENIORS**

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**JUNIORS**

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**FRESHMEN**

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**PART-TIME STUDENTS**

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**EXTENSION STUDENTS**

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Russell, Nell.......................................................Newark
Smith, Nelle......................................................Newark
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Van Tassell, Mabel S...........................................Newark
Vermilion, Ethel.................................................Newark
Wildman, Letitia...............................................Newark
Wright, Edith......................................................Newark
Younge, Mrs. Mabel.............................................Newark
Barham, Arthur M................................................Newark
Campbell, B. B....................................................Utica
Cochran, R. A.......................................................Newark
Cooperrider, Ellsworth........................................Newark
Grieser, William L..............................................Newark
Hankinson, Marshall.............................................Granville
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Jewett, Dwight....................................................Utica
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Nutter, Harold E..................................................Newark
Orr, Frank..........................................................Newark
Rupe, Earl..........................................................Utica
Settles, P. P........................................................Newark
Wardley, Alfred G.................................................Granville
Wart, Lauri..........................................................Swartwood, N. Y.
Weaver, Ralph.....................................................Utica
Wonder, Rev. Harold F..........................................Newark

Conservatory of Music

SENIOR CLASS

Jane Coons, Public School Music.................................Granville
Eloise Hughes, Violoncello.......................................Zanesville
Elinore Lee, Voice and Public School Music........................Mt. Vernon
Martha Ann Shepardson, Organ and Public School Music.............Granville
Lucille Wingert, Piano and Public School Music.........................Granville

UNCLASSIFIED

Addenbrooke, Constance...........................................Wilmette, Ill.
Allen, Roberta.....................................................Ashtabula
Arnold, Nell.......................................................Leonia, N. J.
Ashmun, Corinne ............................................. Dayton
Bailey, Evan ................................................ North Scituate, Mass.
Bailey, Howard ............................................ Hershey, Pa.
Baker, George ............................................. Washington C. H.
Baker, Mildred ............................................. Passaic, N. J.
Ballard, Betty ............................................. Zanesville
Banning, Charles ......................................... Mt. Vernon
Barton, Viva ............................................... West Hartford, Conn.
Bayless, Marian .......................................... Cambridge
Belknap, Constance ....................................... Mansfield, Pa.
Bigelow, John Howard ................................... Granville
Binder, Jeannette ........................................ Newark
Blum, Karl ................................................. Cincinnati
Broughton, Grace .......................................... Granville
Buell, James ............................................... Johnstown
Carle, Jean ................................................ Canton
Clem, Virginia ............................................. Newark
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Cook, Gladys ............................................... East St. Louis, Ill.
Dalton, Mary .............................................. Wheaton, Ill.
Davis, Sally ............................................... Ellwood City, Pa.
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Detweiler, Dorothy ........................................ Granville
Detweiler, Muriel ......................................... Granville
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Mayhew, Florence ........................................................... Youngstown
McCraney, H. Wesley ......................................................... Granville
McNair, Bruce ................................................................. Oak Park, Ill.
McPeak, Thomas ............................................................... Cleveland
Meek, Harold .................................................................. Granville
Myer, Virginia ................................................................. Buckeye Lake
Myers, William ................................................................. Canton
Nadel, Norman ................................................................. Rochester, N. Y.
Oxley, Marguerite ........................................................... Belle Center
Pratt, Ruth .................................................................... Granville
Railsback, David ............................................................... Cleveland
Rhodehamel, Robert .......................................................... Cleveland
Rice, H. LaMarr ............................................................... Springfield
Richardson, Phyllis ......................................................... Williamsburg, Ky.
Robuck, Martha ............................................................... Gomer
Scheidegger, Esther .......................................................... Pataskala
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**ADDITIONAL ENROLLMENT FOR SECOND SEMESTER 1932-33**  
(not included in catalogue of February, 1933)

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*One name repeated from "Part-time classification, not included.
SUMMARY

SUMMARY OF STUDENT ATTENDANCE
(First Semester, 1933-1934)

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<td>Sophomores</td>
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CONSERVATORY REGISTRATION—1933-1934

*Refers to collegiate rank.

SUMMER SCHOOL REGISTRATION—1933

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<td><strong>57</strong></td>
<td><strong>125</strong></td>
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## Index

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