DENISON UNIVERSITY
BULLETIN

Catalogue Number
for the Year 1931-1932
with announcements for the year 1932-1933

GRANVILLE, OHIO
Bulletin of

Denison University

A Christian College of
Liberal Arts

Founded 1831

Catalogue Number

For the Year 1931-1932

with announcements for the year 1932-1933

Prepared by the Committee on Catalogue
and published for the University at
GRANVILLE, OHIO
1932
For information concerning Denison University
Address
CLARENCE M. EDDY, DIRECTOR OF ADMISSIONS
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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### CALENDAR FOR 1932

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</tbody>
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### CALENDAR FOR 1933

<table>
<thead>
<tr>
<th>JANUARY</th>
<th>FEBRUARY</th>
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...
# The University Calendar

## 1932

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Recess begins</td>
<td>Friday, April 1, 3:15 P.M.</td>
</tr>
<tr>
<td>Spring Recess ends</td>
<td>Monday, April 11, 8:00 A.M.</td>
</tr>
<tr>
<td>Memorial Day (holiday)</td>
<td>Monday, May 30</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>Saturday, June 11, 8:00 A.M.</td>
</tr>
<tr>
<td>Meeting of the Board of Trustees</td>
<td>Saturday, June 11, 8:00 A.M.</td>
</tr>
<tr>
<td>Alumni Day</td>
<td>Saturday, June 11, 8:00 A.M.</td>
</tr>
<tr>
<td>President's Reception</td>
<td>Monday, June 12, 8:00 A.M.</td>
</tr>
<tr>
<td>Baccalaureate Sermon</td>
<td>Monday, June 13, 8:00 A.M.</td>
</tr>
<tr>
<td>Commencement</td>
<td>Monday, June 13, 8:00 A.M.</td>
</tr>
</tbody>
</table>

## COLLEGE YEAR 1932-1933

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>First Semester opens</td>
<td>Monday, September 12</td>
</tr>
<tr>
<td>Freshman Week</td>
<td>Monday-Thursday, September 12-15</td>
</tr>
<tr>
<td>Registration of Former Students</td>
<td>Wednesday, September 14</td>
</tr>
<tr>
<td>Registration of New Students</td>
<td>Thursday, September 15</td>
</tr>
<tr>
<td>Classes organized</td>
<td>Friday, Sept. 16, 8 A.M.</td>
</tr>
<tr>
<td>First Convocation</td>
<td>Friday, Sept. 16, 12 M.</td>
</tr>
<tr>
<td>Thanksgiving Recess begins</td>
<td>Wednesday, Nov. 23, 12 M.</td>
</tr>
<tr>
<td>Thanksgiving Recess ends</td>
<td>Monday, Nov. 28, 8 A.M.</td>
</tr>
<tr>
<td>Christmas Recess begins</td>
<td>Wednesday, Dec. 21, 4 P.M.</td>
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</tbody>
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## 1933

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Christmas Recess ends</td>
<td>Wednesday, January 4, 2 P.M.</td>
</tr>
<tr>
<td>Mid-year examinations</td>
<td>Friday-Friday, January 20-27</td>
</tr>
<tr>
<td>Second Semester begins</td>
<td>Monday, January 30</td>
</tr>
<tr>
<td>Registration of all students</td>
<td>Monday, January 30</td>
</tr>
<tr>
<td>Washington's birthday (holiday)</td>
<td>Wednesday, February 22</td>
</tr>
<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>Friday-Friday, June 2-9</td>
</tr>
<tr>
<td>Commencement</td>
<td>Monday, June 12</td>
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Board of Trustees

OFFICERS OF THE BOARD

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President of the University

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Ohio University

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24 W. Ninth Street

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Cuyahoga Building

Rev. J. Loring Cheney, A.M., Ph.D....................East Cleveland
1845 Roxford Road

Jacob R. Davies, A.M......................................Newark
Trust Building

Horace H. Feight, Ph.B..................................Dayton
100 Spring Grove Avenue

John C. Haswell............................................Dayton
Dayton Malleable Iron Works

Ellis P. Legler, A.B., J.D.S.............................Dayton
Callahan Bank Building

1575 East Boulevard

Vinton R. Shepard, A.M..................................Cincinnati
646 Main Street
DENISON UNIVERSITY BULLETIN

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2605 Taylor Road

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Warner & Swasey Co.

LEWIS B. ZOLLARS ………Canton
R. F. D. 1, Hills and Dales

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1885 Grasmere Street

EDWARD CANDY ………Dayton
458 Belmont Park, N.

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REV. HENRY T. CRANE, D.D. ………Cincinnati
2427 Auburn Avenue

CYRUS S. EATON, A.M. ………Cleveland
Otis & Co., Cuyahoga Building

HAROLD E. LAMSON ………Granville

JULIUS G. LAMSON ………Toledo
214 Erie Street

HOWARD LEWIS, A.B. ………Toledo
Nicholas Building

CHARLES H. PRESCOTT ………Cleveland
Saginaw Bay Lumber Co., 2106 W. Third Street

HARRY C. ROYAL ………Cleveland
Ernst & Ernst, Union Trust Building

FRANKLIN G. SMITH ………Cleveland
5401 Hamilton Avenue
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FRANKLIN G. SMITH

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EDWARD A. DEEDS.......................................Term expires 1932
DAVID E. GREEN.........................................Term expires 1933
CHARLES H. PRESCOTT.................................Term expires 1933
FREDERICK P. BEAVER...................................Term expires 1934
WILLARD D. CHAMBERLIN.................................Term expires 1934

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HERBERT F. STILWELL, Chairman
DAVID E. GREEN
HARRY C. ROYAL
CLARENCE D. COONS

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FRANKLIN G. SMITH, Chairman
AMBROSE SWASEY
HAROLD E. LAMSON

Committee on Conservatory of Music
OSMAN C. HOOPER, Chairman
LEWIS R. ZOLLARS
PERCY L. WILTSEE

Committee on Instruction
WALLACE H. CATHCART, Chairman
ALFRED M. COLBY
TILESTON F. CHAMBERS

Committee on Library and Laboratories
HARRY W. AMOS, Chairman
JULIUS G. LAMSON
HORACE H. FEIGHT

W. R. BURWELL

CHARLES H. PRESCOTT
HENRY T. CRANE
The Faculty of Instruction

(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.

**Charles L. Williams**
*Professor Emeritus of English Literature and Rhetoric*

**Busvan Spencer**
*Professor Emeritus of Philosophy*
A.B., Denison, 1879; A.M., Denison, 1882; B.D., Morgan Park Seminary, 1885; D.D., Colgate, 1922.

**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*

**Malcolm E. Stickney**
*Professor of Botany*
CATALOGUE NUMBER

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 EBAUGH
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.

†On leave of absence first semester, 1931-32.
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*  

HELEN A. BARR*  
*Professor of Physical Education*  
A.B., Wisconsin, 1917.

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*  
B.S., Oklahoma, 1920; C.E., Oklahoma, 1927.

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

‡On leave of absence second semester, 1931-32.  
*On leave of absence, 1931-32.
CATALOGUE NUMBER

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.

AUGUST OEBRECHT‡
Professor of Modern Languages
Ph.G., Ohio State, 1895; B.Ph., Denison, 1906; A.M., Denison, 1907.

WILLIAM T. UTTER
Professor of History
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
B.S., Pennsylvania, 1922; A.M. Pennsylvania, 1924;
Ph.D., Pennsylvania, 1928.

ANNA B. PECKHAM
Associate Professor of Mathematics

ANNE M. MACNEILL
Associate Professor of English
A.B., McMaster, 1903; A.M., Columbia, 1919.

MIRIAM AKERS
Associate Professor of Classical Languages

‡On leave of absence second semester, 1931-32.
Eli 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.

Frances Babcock Cressey†
Assistant Professor of Classical Languages
A.B., Chicago, 1893.

John Larmore
Assistant Professor of English

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

†On leave of absence first semester, 1931-32.
CATALOGUE NUMBER

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

F. DEWEY AMNER
Assistant Professor of Modern Languages

MATTIE TIPPET*
Assistant Professor of Chemistry
A.B., Cornell College, 1918; M.S., Chicago, 1924.

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.

ANNIE LOUISE CRAIGIE
Librarian
A.B., Rochester, 1913; B.S., Simmons, 1916.

HENRY S. SHARP
Assistant Professor of Geology
A.B., Cornell, 1924; A.M., Columbia, 1926; Ph.D., Columbia, 1929.

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

CHOSABURO KATO
Assistant Professor of Mathematics
A.B., Denison, 1925; A.M., Chicago, 1927.

*On leave of absence, 1931-32.
George E. Rich
Assistant Professor in Physical Education
A.B., Michigan, 1928; L.L.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.

Earl L. Williams
Assistant Professor of Astronomy
A.B., Swarthmore, 1924; A.M., Swarthmore, 1925.

Mary Reckard Fitch
Instructor in Voice

William Wells
Instructor in Violoncello

Helen I. Badenoch*
Instructor in Physical Education
B.S., Northwestern, 1923.

Samuel Gelfer
Instructor in Violin

Allan Faber Schirmer
Instructor in Voice
B.Mus., Northwestern, 1926; A.B., Denison, 1931.

Thomas Rodgers
Instructor in Physical Education
Ph.B., Denison, 1925.

†On leave of absence first semester, 1931-32.
*On leave of absence 1931-32.
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.

JOHN H. GILL
Instructor in Wind Instruments

SUE HAURY
Instructor in Piano

HELEN PETROSKY
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

DON WILDER
Instructor in English
A.B., Amherst, 1926.

RUTH H. BLOOMER
Instructor in Physical Education
B.Sc., New York University, 1930.

KATHRYN DARROW
Instructor in Physical Education
A.B., Denison, 1929.
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

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Dean of Women

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Registrar

Alfred J. Johnson, A.B., M.B.A.
Bursar

Clarence M. Eddy, A.B.
Director of Admissions

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

Mrs. N. H. Overture
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

Isabel B. Hatch, A.B.
Secretary to Director of Admissions

Mabel Batchelor, A.B.
Secretary to Registrar

Mary Swartsel, A.B.
Secretary to Bursar

Ruth Hopkins, R.N.
Nurse

Ardella L. Barth, R.N.
Assistant Nurse

Mrs. Elizabeth Cooper
House Mother in Parsons Hall
# Committees of the Faculty, 1931-1932

## Executive Council

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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</tr>
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<tr>
<td>A. A. Shaw</td>
<td>F. G. Detweiler</td>
<td>W. J. Livingston</td>
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<td>C. M. Eddy</td>
<td>F. G. Detweiler</td>
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<td>H. R. Hundley</td>
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## Committee on Absences

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<tbody>
<tr>
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<td>A. B. Peckham</td>
<td>F. W. Stewart</td>
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## Committee on Admission

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<tr>
<td>C. M. Eddy</td>
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<td>P. Biefeld</td>
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## Committee on Athletics

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<tbody>
<tr>
<td>W. J. Livingston</td>
<td>R. Hopkins (1 yr.)</td>
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<td>(2 yrs.)</td>
<td>A. B. Skinner (2 yrs.)</td>
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<tr>
<td>A. J. Johnson (1 yr.)</td>
<td>E. J. Shumaker (3 yrs.)</td>
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<td>Helen Olney (3 yrs.)</td>
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<td>C. D. Coons</td>
<td>H. H. Titus</td>
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<td>A. Odebrecht</td>
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## Committee on Catalogue

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<tr>
<td>W. T. Utter</td>
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## Committee on Chapel

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<tr>
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<tr>
<td>J. L. King</td>
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## Committee on Community Service

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<tr>
<td>W. A. Chamberlin</td>
<td>J. L. Bjelke</td>
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<td>C. D. Coons</td>
<td>Mrs. L. Moore</td>
<td>A. Odebrecht</td>
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### Committee on Curriculum

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<tr>
<td>F. G. Detweiler</td>
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<td>Helen Olney</td>
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<td>Leland J. Gordon</td>
<td>L. E. Smith</td>
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<td>J. L. King</td>
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<td>A. W. Lindsey</td>
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### Committee on Debate and Oratory

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<tbody>
<tr>
<td>L. G. Crocker (3 yrs.)</td>
<td>A. M. MacNeill</td>
<td>H. H. Titus (1 yr.)</td>
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<td></td>
<td>(3 yrs.)</td>
<td>Richard Woellhaf</td>
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<td>Helen Olney (1 yr.)</td>
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### Committee on Fraternities

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<thead>
<tr>
<th>Chairman</th>
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<tr>
<td>F. G. Detweiler, Chairman</td>
<td>A. J. Johnson Lambda Chi Alpha</td>
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<tr>
<td>W. A. Chamberlin, Sigma Chi</td>
<td>L. G. Crocker, Sigma Alpha</td>
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<tr>
<td>E. C. Rupp, Beta Theta Pi</td>
<td>Epsilon</td>
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<tr>
<td>D. L. Mahood, Phi Gamma Delta</td>
<td>T. A. Lewis, Beta Kappa</td>
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<tr>
<td>A. Odebrecht, Kappa Sigma</td>
<td>F. J. Wright, Alpha Theta Sigma</td>
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<tr>
<td>H. R. Hundley, Phi Delta Theta</td>
<td>L. R. Dean, American Commons Club</td>
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### Committee on Freshmen Orientation

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<tr>
<td>F. J. Wright</td>
<td>H. A. Baker</td>
<td>Helen Olney</td>
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<td>F. G. Detweiler</td>
<td>H. Petroskey</td>
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<td>W. J. Livingston</td>
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### Committee on the Improvement of Teaching

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<tr>
<th>Member</th>
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<tr>
<td>F. B. Wiley</td>
<td>W. A. Chamberlin</td>
<td>A. W. Lindsey</td>
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<td>F. G. Detweiler</td>
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<td>L. J. Gordon</td>
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### Committee on Library

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<tr>
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<tr>
<td>A. A. Shaw</td>
<td>A. L. Craigie</td>
<td>A. W. Lindsey</td>
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<td>L. R. Dean</td>
<td>W. T. Utter</td>
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### Committee on Music

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<tbody>
<tr>
<td>K. H. Eschman</td>
<td>L. G. Crocker (1 yr.)</td>
<td>A. F. Schirmer (2 yrs.)</td>
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<td>M. R. Fitch (1 yr.)</td>
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### Committee on Plays and Musical Performances

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<tr>
<th>Member</th>
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<tbody>
<tr>
<td>L. G. Crocker</td>
<td>S. Haury</td>
<td>D. Mahood</td>
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<td>J. L. King</td>
<td>R. Woellhaf</td>
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</table>
Committee on Registration
D. R. Fitch
F. G. Detweiler
Helen Olney
L. E. Smith
F. B. Wiley

Committee on Research
W. C. Ebaugh
P. Biefeld
A. W. Lindsey
M. E. Stickney
W. T. Utter
F. J. Wright

Committee on Rules and Regulations
K. H. Eschman
F. G. Detweiler
B. D. Greenshields
Helen Olney
H. S. Sharp

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

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

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

Student Health Council
A. A. Shaw
F. G. Detweiler
A. J. Johnson
R. Kruse
W. J. Livingston
M. E. Nist
Helen Olney
H. Petroskey
R. H. Williams
Mrs. Lillian Moore

Committee on Student Publications
J. L. King
A. M. MacNeill (1 yr.)
A. Odebrecht (3 yrs.)
D. Wilder (1 yr.)

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

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

Board of Control of Athletics

**MEN**
E. J. Shumaker, elected for 3 years.....Term expires March, 1934
W. J. Livingston, elected for 2 years...Term expires March, 1933
A. J. Johnson, elected for 1 year.........Term expires March, 1932

**WOMEN**
Helen Olney, elected for 3 years..........Term expires March, 1934
A. B. Skinner, elected for 2 years.........Term expires March, 1933
R. Hopkins, elected for 1 year...........Term expires March, 1932

Board of Control of Debate and Oratory

**MEN**
L. G. Crocker, elected for 3 years........Term expires March, 1934
R. Woellhaf, elected for 2 years..........Term expires March, 1933
H. H. Titus, elected for 1 year...........Term expires March, 1932

**WOMEN**
A. M. MacNeill, elected for 3 years......Term expires March, 1934
L. G. Crocker, elected for 2 years........Term expires March, 1933
Helen Olney, elected for 1 year...........Term expires March, 1932

Board of Control of Music

**MEN**
K. H. Eschman, elected for 3 years.......Term expires March, 1934
A. F. Schirmer, elected for 2 years.......Term expires March, 1933
L. G. Crocker, elected for 1 year.........Term expires March, 1932

**WOMEN**
K. H. Eschman, elected for 3 years.......Term expires March, 1934
A. F. Schirmer, elected for 2 years.......Term expires March, 1933
M. R. Pitch, elected for 1 year...........Term expires March, 1932

Board of Control of Student Publications

(One board serves for both men and women)
A. Odebrecht, elected for 3 years..........Term expires March, 1934
J. L. King, elected for 2 years...........Term expires March, 1933
D. Wilder, elected for 1 year.............Term expires March, 1932

23
DENISON UNIVERSITY

HISTORY

Denison University had its foundations in deep religious convictions. It grew out of the desire of the Baptist denomination in Ohio for a well-educated ministry to lead their work in an era marked by great expansion in religious and material life. This aspiration led to the organization of the Ohio Baptist Education Society in 1830, with the express aim of providing a school of higher learning. At the Society's first annual meeting, at Lancaster on May 26, 1831, the decisive step in founding such an institution was taken by the appointment of trustees and by choosing Granville, a town noted for its moral tone, as its location. The "Granville Literary and Theological Institution," so named in its first charter, opened its doors on December 13, 1831, occupying temporarily the Baptist Church on the present site of the Conservatory of Music. 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 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.

During the one hundred years of its existence, the University has been true to the religious and scholastic purposes of its founders. Its religious influence is marked by the large number of graduates who have given their lives to the Christian ministry and to the cause of home and foreign missions.

While its most notable contribution has thus been made to American religious life, it has enriched the business and professional character of our country by the thousands of alumni it has sent forth into teaching and other professions, as well as into commercial pursuits.

During the times of national stress the institution has been characterized by a notable spirit of loyalty. Its classes were almost depleted during the Civil War by reason of enlistments. During the World War the University and its equipment were put at the service of the United States Government and the instruction was adapted to military ends. Its sons, alumni and undergraduates, by the hundreds entered into all branches of the Army and Navy.

The Board of Trustees has in progress a generous plan for the increase of the University's resources by three million dollars for endowment and buildings. These plans are well under way and their realization is confidently expected within the next few years.

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, the seat of Denison University, is known as a place of rare natural beauty. It is situated in a fertile valley, encompassed by hills of moderate altitude. The town is 27 miles east of Columbus on Route 16, one of the main highways of the State. It lies on the Toledo and Ohio Central Division of the New York Central Railway. It is reached by the Pennsylvania Lines and the Baltimore and Ohio Railroad at Newark, 20 minutes distant by bus service. Auto-buses maintain regular schedules with Newark and Columbus.

Granville is one of the oldest towns in Ohio, having been settled by colonists from Massachusetts in 1805. From these pioneers it received the best features of New England life. High moral and intellectual ideals have always marked the place. Although small, the town enjoys many of the advantages of city life. In material equipment it enjoys a pure water supply, a modern sewerage system, paved streets, an automatic telephone
system, electric lighting for public and domestic purposes, and an adequate protection against fire.

Many improvements of a public and private nature during the past few years reflect the fine community spirit that prevails. Among these may be mentioned the Granville Inn and golf course, a public library, a memorial to one of the pioneer families, a centralized High School, a new post office, and the offices of the Ohio Baptist Convention, the center of the activities of the Baptist denomination of the state.

Several modern churches of different denominations serve the religious interests of the community.

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.

GATES AND WALKS

College Hill, the site of the main buildings of the University, is approached by a winding avenue from the town. During the summer of 1930, an imposing entrance of brick and stone with an appropriate inscription was placed at the junction of Main Street and the drive leading up the hill. On the southeast slope of the hill is an ornamental terrace of brick, with walks leading on either sides to various halls and to the Library. From the lower campus the entrance is through two colonial gateways of brick at either end of a semi-circular walk which leads to the Plaza on the south slope of the hill.

A curving terrace, buttressed by an ornamental wall, leads across the brow of the hill in front of the President's House and Swasey Chapel. The College Avenue has been extended in winding drives to Beaver and Sawyer Halls on the east, and to the new
fraternity houses on the north. An ornamental gate-way and drive gives access from the north to Deeds Field and the campus.

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 purposes. Extensive development of the campus has been completed in respect to roads and walks, ornamental terraces and plantings.

RESIDENCE HALLS

Talbot Hall—Accomodations 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 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.

**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.

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.

**Beaver Field**

Through the generosity of Mr. F. P. Beaver, a member of the Board of Trustees, this athletic field was provided about thirty years ago and was one of the first to be acquired by an Ohio college. It is used at present as auxiliary to Deeds Field.

**Deeds Field**

The new 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.
DEPARTMENTAL EQUIPMENT

Denison is a college of liberal arts and sciences. During the past thirty years the growth has been rapid in scientific departments. Without competing with technological schools the science departments have developed to that degree that they serve admirably those students who are looking ahead to technical professions. During the same period additional departments of language, history, education, social sciences, and religion have been organized, so that the curriculum embraces the subjects of general human interest. A brief survey of the physical equipment of the departments will indicate the resources of the College in these respects.

ASTRONOMY

The equipment of Swasey Observatory is intended both for teaching and also for research work in special lines. The equipment consists of a nine-inch equatorial of the standard Warner and Swasey type, with optical parts by Brashear, a Warner and Swasey position micrometer and wedge photometer, by Cooke and Sons, England. The transit room contains a combined transit and zenith telescope of four-inch aperture. Mean and sidereal time clocks by Rieller are connected by means of a chronograph with both the equatorial and the transit. The library is furnished with standard astronomical periodicals both American and European.

BOTANY AND ZOOLOGY

These two departments are located in Talbot Hall. The arrangements include lecture rooms and laboratories for general
and advanced classes and facilities for research work. There is opportunity for bacteriological and genetic studies.

The Herbarium embraces representative collections from the United States and Mexico and is especially rich in local flora. The department library is supplied with botanical and zoological journals, including the many American and foreign exchanges of the Denison Scientific Association.

CHEMISTRY

The Chemistry Department occupies Chemistry Cottage, described on p. 32 and is well equipped with apparatus and materials required for all courses.

ENGINEERING SCIENCE

The Department of Engineering Science occupies the upper floors of Barney Science Hall. It possesses a full equipment of instruments for field work. For illustrative purpose there is a well selected supply of drawings and specifications of bridges, water systems, and all forms of modern highway construction. The drafting rooms are well lighted by large sky-lights and furnished with the usual requirements.

 GEOLOGY

The Department of Geology occupies the third floor of Barney Science Hall. The lecture room is supplied with stereopticon and screen, and a collection of 5000 slides. The geographic laboratory contains an unusually fine equipment of maps and relief models and several thousand of the topographical sheets of the U. S. Geological Survey. More than 300 drawers of mineral specimens and fossil collections are available. The department library, named in honor of the late G. K. Gilbert, contains his personal collection of books and pamphlets presented in recognition of the valuable contributions to geology made at Denison.
PHYSICS

The Department of Physics occupies the first and second floors of Barney Science Hall. It is well supplied with rooms for administration, instruction and laboratory purposes, including photometric and photographic dark rooms, a constant temperature vault and rooms for research and special work. A radio station, well equipped for reception and transmission, gives ample opportunity for study in this field.

THE NON-LABORATORY DEPARTMENTS

These departments have available their special libraries, journals and papers, with maps, lanterns and slides where needed. Practical work in the local and adjoining communities is available for students in the departments of Education, Religion, and Sociology. Students who prepare for teaching are assisted by the Committee on Teaching Appointments in securing positions.

THE LIBRARY

The main 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 70,000 volumes, to which were added during 1930-31, 2151 volumes. In addition, the Library is a Government depository, housing approximately 40,000 government documents and adding about 1100 new titles annually. The complete collection is on open shelves, accessible to faculty, students and townspeople alike. Due to lack of shelf room in the main library, all the 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 for those who are doing independent research.

When the University is in session, the Library is open from 8:30 A.M. until 12 M.; from 1:30 P.M. until 5:30; and from 7 P.M. until 9 P.M.; daily except Saturday and Sunday. On Satur-
day the Library closes at 5:30 P.M. One member of the Library staff is on duty at all times when the Library is open, to assist students in finding needed material. In the Reading Room, where only required reading is done, student assistants are in charge.

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 appro-
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. 113).

5. Recreational

The Boards of Control direct the inter-collegiate and intramural 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.
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. 57) 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 extemprole 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 in 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

For deserving students in need of assistance the University has at its disposal the annual income of certain funds.

Good class standing and exemplary conduct in all relations of life are prerequisite to the enjoyment of any of these scholarships.

The holders of scholarships must maintain a scholastic record at all times of twenty points for regular scholarships and twenty-three points for honor scholarships with no "F" grades. Students holding them may be called upon to render a certain amount of service to the University but never to an amount which will interfere with regular college work.

Scholarships are granted only to students who expect to graduate at Denison.

Whenever a student who receives aid from Scholarship Funds withdraws from Denison, the total amount of such aid received is due and payable.

A transcript of credits or honorable dismissal will not be issued to students until their account with the college is clear, except with the approval and consent in writing of Denison University.
<table>
<thead>
<tr>
<th>Available for Ministerial Students</th>
<th>Principal of Fund</th>
<th>Approximate amt. available yearly</th>
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<tbody>
<tr>
<td>The Mary K. Monroe Fund</td>
<td>$30,000.00</td>
<td>$1,200.00</td>
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<tr>
<td>The M. E. Gray Fund</td>
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<td>200.00</td>
</tr>
<tr>
<td>The David Thatcher Fund</td>
<td>1,500.00</td>
<td>60.00</td>
</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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<tr>
<th>Available for Men Students</th>
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<tbody>
<tr>
<td>The Ebenezer Thresher Fund</td>
<td>10,000.00</td>
<td>400.00</td>
</tr>
<tr>
<td>The David and Jane Harpster Fund</td>
<td>1,500.00</td>
<td>60.00</td>
</tr>
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<td>The Mary Arnold Stevens Fund</td>
<td>500.00</td>
<td>20.00</td>
</tr>
<tr>
<td>The Eugenia Kincaid Leonard Scholarships</td>
<td>1,000.00</td>
<td>40.00</td>
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<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>
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<td>400.00</td>
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<th>Available for Women Students</th>
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<tr>
<td>The King Scholarship Endowment</td>
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<td>480.00</td>
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<tr>
<td>The Martha A. Luse Schol. Fund</td>
<td>1,000.00</td>
<td>40.00</td>
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<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>
<td>8,282.00</td>
<td>331.00</td>
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<tr>
<td>The Charles T. Chapin Schol. Fund</td>
<td>2,000.00</td>
<td>80.00</td>
</tr>
<tr>
<td>The Lide- Shepardson-Marshal Schol. Fund</td>
<td>1,000.00</td>
<td>40.00</td>
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<tr>
<th>Available for Men or Women</th>
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<tbody>
<tr>
<td>The Elizabeth S. Ewart Scholarship Fund</td>
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<td>80.00</td>
</tr>
<tr>
<td>The Charles T. Lewis Schol. Fund</td>
<td>5,000.00 (for two Students)</td>
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<tr>
<td>The John Doyle Scholarship Fund</td>
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<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>
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<tr>
<td>The Sarah J. Thompson Schol. Fund</td>
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<td>The Welsh Hills Prices Schol. Fund</td>
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<td>80.00</td>
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<td>The Daniel Van Voorhis Schol. Fund</td>
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<table>
<thead>
<tr>
<th>Available for Students in Conservatory of Music</th>
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<tbody>
<tr>
<td>The E. S. Shepardson Scholarship Fund</td>
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<td>40.00</td>
</tr>
<tr>
<td>The Conservatory Scholarship (Awarded on recommendation of Director of the Conservatory and President of the Univ.)</td>
<td>250.00</td>
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</table>
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 honor 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

The Maria Theresa Barney Loan Fund $5,000

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.

The Fletcher O. Marsh Fund $5,000

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. 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.

B. By Examination

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 distributed as indicated below are required for entrance, and 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, in an approved secondary school.

1. The following 11 units are prescribed for all:
   - English, 3
   - Algebra, 1
   - Geometry, 1
   - Science, 1 (Physics, Chemistry, Zoology, Biology, Botany)
   - Foreign language, 4 (at least 2 in the same language, preferably Latin)

   Applicants for admission who have 15 acceptable units but who are not able to present 4 years of foreign language, may be admitted with 2 years, provided they rank in the upper third of their class. Any students admitted with language deficiencies shall elect language courses in college without loss of credit. One year of college work is required to make up a unit of deficiency.

2. At least two 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
   - Latin, 4
   - Greek, 3
   - French, 3
   - German, 3
   - Spanish, 3
   - History and Civics, 4
   - Physics, 1
   - Chemistry, 1
   - Physiography, 1
   - Botany, 1
   - Zoology, 1
   - Physiology, 1
   - Agriculture, 1
   - General Science, 1

   Mathematics, 3½ (Algebra, Geometry and ½ unit of Trigonometry.)
In this group may be included the following subjects with the respective units noted, upon the recommendation of the college departments especially concerned:

- Bible, 1
- Economics, ¼
- Theoretical Music, 1
- Psychology, ½
- Sociology, ½

3. Not more than two units may be presented from the following subjects:

- Mechanical Drawing, 1
- Freehand Drawing, 1
- Domestic Science, 1
- Stenography (if a full unit), 1
- Applied Music, 1
- Manual Training or Shop Work, 1
- Commercial Law, 1
- Commercial Geography, 1
- Physical Education, 1

PROVISIONAL ADMISSION

High school graduates who lack not more than 2 of the prescribed units for entrance may be admitted provisionally. Such units must be cleared during the freshman and sophomore years. In most cases these credits can be acquired in college. If taken in college, one year of college work in a subject is required to make up a 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 en-
trance 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 (en-
semble) 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

Denison University grants the Bachelor of Arts degree upon satisfactory completion of courses. (For Bachelor Music degree see Conservatory announcement, page 114). 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.

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. 96,98), 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.
3. **Group Requirements.**

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 (theory and history)</td>
<td>Engineering Science</td>
</tr>
<tr>
<td></td>
<td>Philosophy</td>
<td>Geology</td>
</tr>
<tr>
<td></td>
<td>Political Science</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 55, 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)**................... Earnings 2 points per credit hour.
- **"B" (Good)**....................... Earns 1 1/2 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.

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.
EXPENSES

TUITION

Per semester (Including special fees for student activities)......$125.00
Athletic Fee, per semester........................................... 2.50
Hospital Fee, per semester......................................... 2.50

Tuition in Conservatory of Music, (See page 119).

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
112................................................................. 3.00
211................................................................. 2.00
212................................................................. 3.00
315................................................................. 4.00
316................................................................. 4.00
317................................................................. 4.50
318................................................................. 4.50
417................................................................. 1.00
418................................................................. 1.00

CHEMISTRY—

A deposit of $4.00 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>$6.00</td>
<td>112</td>
<td>$6.00 (or $9.00)</td>
</tr>
<tr>
<td>211</td>
<td>6.00 (or $9.00)</td>
<td>212</td>
<td>6.00 (or $9.00)</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>411</td>
<td>6.00</td>
<td>412</td>
<td>6.00</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>
</tbody>
</table>
EDUCATION—

| Course | 415 | $8.00 | 416 | $8.00 |

ENGINEERING SCIENCE—

<table>
<thead>
<tr>
<th>Course</th>
<th>111</th>
<th>$1.00</th>
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<th>$1.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>113</td>
<td>10.00</td>
<td>114</td>
<td>10.00</td>
</tr>
<tr>
<td></td>
<td>115</td>
<td>1.00</td>
<td>212</td>
<td>2.00</td>
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<tr>
<td></td>
<td>211</td>
<td>1.00</td>
<td>325</td>
<td>1.00</td>
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<tr>
<td></td>
<td>322</td>
<td>12.00</td>
<td>336</td>
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<tr>
<td></td>
<td>330</td>
<td>2.00</td>
<td>412</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>411</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GEOLOGY—

| All Courses, each | 1.00 |

Music—Courses

| 201, 202, 221, 222, 313, 314, 331, 332 | $12.00 |
| 301, 302, 311, 312, 441, 442, 451, 452 | $8.00 |

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

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

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

| 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 |

ZOOLOGY—Courses

| 111, 112, 211, 212, 223, 224, 227, 228 | 1.25 |

per hour of credit.

BOARD AND ROOMS

Room Rent per Semester:

| Men — Talbot Hall | $35.00 to $50.00 |
| Women—Beaver and Sawyer Halls | 100.00 |
| — Other Halls and Cottages | 75.00 |

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.

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 a 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. For important information concerning admission, see page 48.
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. Failure to complete payment on this day constitutes late registration, with its attendant fee of $5.00. For the convenience of those parents who prefer to have the bills sent home for payment, one week of grace is allowed for mailing.

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 the late registration fee 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.

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 52.

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 119).
Late Registration. See page 53.

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.

<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 Incidentalals</td>
<td>50</td>
<td>90</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>635</strong></td>
<td><strong>941</strong></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.

ASTRONOMY

Mr. Biefeld

Astronomy has perhaps less of a direct outlet than any other study in the curriculum. However, since it involves, as a major, the highest and best training in the physical sciences and mathematics, it ought to provide the high school and college with the best trained teachers in those subjects.

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. VI, 4 hours.

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 hours.

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. 4 hours.

214. Method of Least Squares. Advised for students taking course 212. Hours to be arranged. 2 hours.

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 time as 411) and the calculus, including, preferably, an introduction to differential equations. IV, 3 hours.

BOTANY

Mr. Stickney

Botany courses are useful to bacteriologists, plant pathologists, horticulturists, foresters, landscape architects, museum curators, and experts in the Department of Agriculture Experiment Stations and university laboratories.
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. 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.

210. **Bacteriology of Disease.** A lecture course dealing with germ diseases, from the standpoint of personal and public hygiene. The nature of pathogenic bacteria and their toxins, modes of infection, disease resistance and immunity, and the use of protective and preventive measures. Open to general election.

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. Not offered in 1932-33.

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 Offered in 1932-33. Rec. T. and Th. III, Lab. W. and F. III-IV, 4 hours.

417-318. 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 1932-33. 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. Erbaugh, Mr. Everhart

Graduates from the Department of Chemistry find employment in the industries, in high school teaching, in engineering, and in government service. Many of them enter the medical profession, for the entrance requirements in chemistry in medical schools are high.

Chemistry 111-112 is a fundamental course open to all students and is required of students who expect to specialize in dentistry, engineering, medicine, nursing, home economics, and allied subjects.

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, 111. 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, $10.00. 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, $10.00. 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, $10.00 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, $10.00 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. 2 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, $10.00 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.

CLASSICAL LANGUAGES

MR. DEAN, MISS AKERS, MRS. CRESSEY

The department of Classical Languages prepares students to become teachers of Latin or to take up graduate work in other universities. The study of Latin and Greek constitutes an excellent foundation for one who specializes in any modern language, including English, and for the historian and student of the social sciences. Knowledge of Greek is helpful to the scientist in his use of technical terms and to the man who is going into the Christian ministry.

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 eight additional hours in Greek; (3) Latin 111-112, 211-212 and eight 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 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.

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.

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.

VI, 2 hours. Mrs. Cressey.

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.

VI, 2 hours. Mrs. Cressey.

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 hours. Miss Akers, Mr. Dean.

211. ATTIC PROSE. Selections from Xenophon and Herodotus. Emphasis upon rapid reading from sight.

I, 4 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.

I, 4 hours. Miss Akers.

NOTE—Courses 111-112, 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.

2 hours. Mr. Dean.
CATALOGUE NUMBER

333-334. NEW TESTAMENT. Selections from the Gospel of John, the Acts, and Revelation; philology and interpretation. (Period to be arranged.) Offered in 1932-33. 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, II, 4 credit hours. Mrs. Cressey.

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, II, 4 credit hours. Mrs. Cressey.

111. CICERO. De Amicitia and De Senectute. 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. Mrs. Cressey, Miss Akers.

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

211. LATIN COMEDY. Plautus and Terence, three or more plays. Notes on the history of Ancient Drama. Sight reading. IV, 4 hours. Mrs. Cressey.

212. PLINY AND CATULLUS. Letters and Poems with some attention to the social life of the periods in which they were written. IV, 4 hours. Mrs. Cressey.

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. III, 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. III, 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.

III, 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.

III, 2 hours. Mr. Dean.

ECONOMICS

MR. GORDON, MR. BAKER, MR. RICH

A major in Economics requires a minimum of 24 hours in the department, including courses 413 and 416. Economic 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 and second year students designed to precede or to be taken concurrently with Economics 211-212. Students planning to take this course are urged to take Geology 101 the first semester.

VII, 3 hours. Mr. Gordon.

211-212. PRINCIPLES OF ECONOMICS. Designed to provide a thorough ground work 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 unless with special consent of the department.

I, II, VI, VII, 3 hours. Mr. Gordon, Mr. Baker.
STATISTICS. This course is offered by the Mathematics Department as Mathematics 226. Economics 211-212 are prerequisites for students wishing to receive Economics credit for Statistics. III, 3 hours. Mr. Kato.


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. Prerequisites, courses 211-212, or concurrent registration in those courses. Credit will not be allowed for a single semester. 1, 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. Prerequisites, courses 211-212. 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. Offered alternately with course 321. Prerequisites, courses 211-212. IV, 3 hours. Mr. Gordon.

320. THE RELATION OF GOVERNMENT AND BUSINESS. A study of governmental supervision and operation of business, divided into three parts: anti-trust law enforcement including the activities of the Federal Trade Commission, commission regulation of enterprises affected with a public interest, and the participation of government in business. A critical and historical study, with emphasis on administration, and the development of public policy. Prerequisites, courses 211-212. IV, 3 hours. Mr. Baker.
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. Offered alternately with course 317; not offered in 1932-33. Prerequisites, courses 211-212, IV, 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. Prerequisites, courses 211-212.

413. **Advanced Economic Theory.** An analytical and evolutionary study of economic thought from the Mercantilists and the Physiocrats down to the present day. Special attention to the study of the neo-classical theory of value and distribution and its contemporary critics. Required for an economics major. Prerequisites, courses 211-212. II, 3 hours. Mr. Baker.

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. Required for an economics major. Prerequisites, courses 211-212. II, 3 hours. Mr. Baker.

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 a topic approved by the professor in charge and under his direction. Time to be arranged, 2 hours. Mr. Gordon, Mr. Baker.

**EDUCATION**

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

The courses in Education specifically prepare students for the teaching profession. Students entering all other professions and vocations involving social contacts profit directly through many of the courses offered by this department.
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 and two hours supervised study. 

VI, 1 hour. Mr. Hawes.

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.

312. **History of Modern Education.** Lectures, outside readings, and class discussions. Survey of those programs and practices that were of consequence at the time and that still count in the education of today.

VII, 3 hours. Mrs. Mirise.

315-316. **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.

VII, 3 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.

411. **Methods of Teaching in High School.** General methods for prospective high school teachers. Problems of high school teaching, but not administrative problems. Prerequisites, Education and Psychology.

VI, 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.
This department aims to give courses which are basic for the different branches of engineering.

Courses amounting to 26-40 hours of credit are offered as a major sequence leading to the degree of A.B.

The student should bear in mind that such subjects as Chemistry, Physics, Geology, and Economics, given in their respective departments, are a part of any standard engineering curriculum.

Past experience shows that graduates of such a course are able to complete their engineering work at one of the larger engineering schools in one or two years' of additional work, or to find ready employment in the engineering field. The courses at Denison are of the same nature and extent as those given at standard technical colleges.

**SCHEDULE FOR ENGINEERING STUDENTS**

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**Sophomore Year**

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The schedule for the 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.
111. **Mechanical Drawing.** Use of instruments, simple projections, free hand sketching, lettering, geometric problems, conventional signs, tracing. Students may register for two, three, or four hours, with maximum of six hours for the year. Four hours are required of engineering students. Fee, $1.00. Five days a week.


114. **Architectural Drawing.** Art Structure in free hand drawing and design; introduction to color theory and crafts and their application in assigned problems. Fee, $10.00. Monday and Wednesday, VI-VII, 3 hours.

115. **Machine Drawing.** Fastenings for machinery; working drawings; assembly drawings; and detail drawings. Prerequisite, course 111. Fee, $1.00. Same periods as 111.

211. **Descriptive Geometry.** Problems in the point, line, and plane, warped, developed surfaces, intersections and patterns. Prerequisite, course 111. Fee, $1.00. III, 4 hours.

212. **Elementary Surveying.** Use of steel tape, level and transit; fundamental surveying methods; 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 lecture, 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. III, 4 hours.
325. **Highway Engineering.** A study of the design and the materials used in the construction of modern roads and pavements. Prerequisite, course 212. Fee, $1.00. Not offered in 1932-33. I, 3 hours.

327. **Railroad Curves.** Simple, compound, and transition curves, turnout, vertical and earthwork computations. Two recitations and three hours field work per week. Prerequisite, course 212. Field period to be arranged. Not offered in 1932-33. I, 3 hours.

329. **Advanced Surveying.** City, topographic, hydrographic and stream flow surveying; determination of azimuth, time and latitude. Two recitations and one laboratory period per week. Prerequisite, course 212. Field period to be arranged. Not offered in 1932-33. 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 MacNeil, Mr. Shumaker, Mr. Larmore**

**Mr. Hundley, Mr. Mahood, Mr. Wilder**

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 either English 327 or 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.

211-212. **English Literature.** A survey of the history of English literature, with particular emphasis on poetry. Prerequisites, courses 111-112.

213-214. **Newswriting 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.** 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 offered in 1932-33.


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.

327. **Anglo-Saxon.** Bright's *Anglo-Saxon Reader*, with special study of the phonology of the language in its historical relations to German and English. Not offered in 1932-33.

329. **The Elizabethan Drama.** Exclusive of Shakespeare.

330. **The Modern Drama.**

333. **Middle English.** Especial attention to Chaucer and the development of the language. Offered in 1932-33.

334. **Advanced Composition.** Expository, critical, and imaginative writing.

335. **Victorian Poets.** A study of Tennyson, Matthew Arnold, Swinburne, and other poets of the period. Alternates with course 323 and is not offered in 1932-33.
336. BROWNING. An intensive study of the shorter poems, together with the reading of selected longer ones. II, 3 hours. Miss MacNeill.


324. 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.

GEOLOGY

MR. WRIGHT, MR. SHARP

The elementary courses in geology are intended for those who desire an understanding of the Earth on which they live. The advanced courses may lead to further study in the graduate schools and a professional career in geology. Geologists are employed by mining, petroleum, and construction companies; upon scientific expeditions, or federal and state geological surveys; in college or university teaching and research.

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 states 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.

IV, 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. II (freshmen), III (sophomores), 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.

II (freshmen), III (sophomores), 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; offered in 1932-33.

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; offered in 1932-33.

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. Offered in 1932-33. 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; not offered in 1932-33. IV, 3 hours.

312. **PHYSIOGRAPHY OF 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; not offered in 1932-33. IV, 3 hours.

320. **FIELD WORK.** An eight-day 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, $55-$60. 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.

**HISTORY**

**Mr. Utter, Mr. DeWeerd**

In addition to the professional field of the teaching of history, students who major in this department should find themselves equipped with an invaluable background for the legal profession, the diplomatic service, the field of journalism, the Christian ministry, and for the field of politics.
Students majoring in history must complete 24 hours in the department, including courses 111-112. Prospective teachers of history are urged to take 317-318 in addition.

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.

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. Not offered in 1932-33.

IV, 3 hours. 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. Not offered in 1932-33.

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. Alternates with course 324: offered in 1932-33.

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; offered in 1932-33. III, 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. The Catholic Reformation will be studied thoroughly. Prerequisites, courses 111-112. Not offered in 1932-33. III, 3 hours. 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 hours. Mr. King and Mr. Utter.

MATHEMATICS

Mr. Wiley, Miss Peckham, Mr. Ruff, Mr. Ladner, Mr. Kato

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. Openings in the Civil Service, in statistical work and in some other lines of commercial work are possible to those with a major in Mathematics with a properly selected minor.

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 Mathe-
mathematics. Course 332 is an additional requirement for those who follow Sequence No. 1. 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.

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. Kato 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**

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 1932-33. III, 2 hours. Miss Peckham.

226. **Statistics**. An introductory course including graphs, averages, frequencies, probability, trends, correlation, sampling, finite differences, etc. Illustrated by concrete examples from the social sciences and other fields. Prerequisite, analytic geometry. Offered in alternate years, and not in 1932-33. III, 4 hours. Mr. Kato.

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.
332. **College Algebra.** Selected topics, including the theory of the algebraic equation. Prerequisite, course 116. Offered in alternate years and not in 1932-33.

III, 3 hours.

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 in 1932-33.

II, 4 hours. Mr. Rupp.

335. **Synthetic Projective Geometry.** An introductory course offered in alternate years and not in 1932-33. Prerequisite, course 116 or 122.

II, 4 hours.

**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 not in 1932-33.

II, 4 hours.

352. **Differential Equations.** An introductory course. Prerequisite, course 216 or 222. Offered in alternate years and in 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 in 1932-33.

II, 4 hours. Mr. Wiley.

456. **Modern Algebra.** Introduction to matrices, invariants, bilinear forms, quadratic forms and other selected topics. Prerequisite, course 216 or 222, and permission of the Department. Offered in alternate years and in 1932-33.

Hour to be arranged. 4 hours.

**MODERN LANGUAGES**

**MR. CHAMBERLIN, MR. ODEBRECHT, MRS. SKINNER, MR. AMNER, MR. WILEY, MR. FELT**

Modern languages prepare in a broad sense for all callings. They are almost essential in the so-called learned professions, such as: the ministry, law, medicine, teaching, journalism, literature and diplomacy. Ambassadors, consuls, secretaries of legation, commercial attaches, interpreters and delegates of all sorts representing the United States in foreign countries require as a
matter of course an acquaintance with some foreign speech. In many of the new professions a reading knowledge of foreign tongues is a step to preferment. In these are included secretarial positions, librarianships, social work, managerial and executive offices. The use of foreign languages leads to positions as managers of export sales, correspondents, reviewers and editors of foreign bulletins, advisers and shippers, and officials connected with domestic and foreign banking. Ability to read German and French is required for graduate work.

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 24 hours of credit beyond the above requirement are 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. Reading and analysis of 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. II, 4 hours. Mr. Chamberlin.

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; sig-
significant works will be read in the original or in translation. Prerequisite, courses 211-212 or 213-214, or 3 years of German in high school. Alternates with course 315; offered in 1932-33. 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; not offered in 1932-33. 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. 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. I, II, IV, VII, 4 hours.

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. II, IV, VII, 4 hours.

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. IV, 4 hours. Mr. Felt.

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. IV, 3 hours. Mr Felt.
311. **Modern Literature.** Intensive and extensive reading of prominent works of modern French authors, with attention to linguistic and literary forms; dictations, resumes, and themes in the foreign tongue. Prerequisites, courses 211-212 or course 221.

I and IV, 3 hours. Mr. Chamberlin, Mrs. Skinner.

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.

I and IV, 3 hours. Mr. Chamberlin, Mrs. Skinner.

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.

III, 3 hours. Mr. Odebrecht.

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.

III, 3 hours. Mr. Odebrecht.

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. Not offered in 1932-33.

I, 3 hours. Mr. Odebrecht.

416. **Advanced French Grammar and Writing.** For prospective teachers, a comprehensive study of French grammar and syntax, with thorough practice in writing French. Alternates with course 414; offered in 1932-33.

I, 3 hours. Mr. Odebrecht.

**ITALIAN**


IV, 4 hours. Mr. Odebrecht.

**SPANISH**

111-112. **Elementary Course.** 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.

I, IV, VI, 4 hours.
211. **Intermediate Course.** 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, II, III, 4 hours.

212. **Standard Authors.** Progressive development of oral and reading ability by the study of such works as Julio Camba's *La rana Viajera*, Lagón's *La casa de la Troya*, and Gorostiza's *Contigo pan y cebolla*; introduction to the study of Spanish literature. Prerequisite, course 211 or equivalent.

315. **The Spanish Novel.** Development of the novel in Spain with special attention to the nineteenth century; study of Fernán Caballero, Alarcón, Galdós, Pío Baroja, Azorín, Blasco Ibáñez, and others; additional readings and reports; supplementary lectures and discussions in Spanish. Prerequisites, courses 211-212 or equivalent. Alternates with course 321 and is not offered in 1932-33. II, 3 hours. Mr. Amner.

316. **The Spanish Drama.** Development of the drama in Spain, with reading from the later writers: Moratin, Gutiérrez, Zorrilla, Galdós, Benavente, Martínez Sierra, Marquina, Quintero. Reports, oral and written, on additional readings; literary criticisms, lectures. Prerequisite, course 315. Alternates with course 322 and is not offered in 1932-33. II, 3 hours. Mr. Amner.

321. **Survey of Spanish Literature.** Emphasis on poetry, short story, works not included in courses 315 and 316. Alternates with course 315. Prerequisite, courses 211-212 or equivalent. Offered in 1932-33. 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. Offered in 1932-33. 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; not offered in 1932-33. VI, 3 hours. Mr. Wiley.

416. **Spanish-American Literature.** Brief survey, with special attention to the later writers. Readings from Ricardo Palma, Blanco-Fombrona, Hugo Wast, Rodó, José Hernández, Rubén Darío, Florencio Sánchez, with lectures and supplementary readings. Alternates with course 414, with same prerequisite, and is offered in 1932-33. VI, or arranged, 3 hours. Mr. Amner.
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. Graduates with either this degree or the A.B. with a major in Music are preparing for future positions as supervisors of music in public schools, as private teachers of their performance-major, for positions in music departments and schools, in churches as organists or directors, for concert performance, or in orchestras and opera companies, for positions in music stores, and on newspapers or magazines as critics or editors.

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. Gill and others.

Band 103-104. For those registered for Band alone. One-half hour credit per semester.

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, not offered in 1932-33. 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 1931-32. VI, 3 hours. Mr. Eschman.

203-204. **Second Year of Chorus, Orchestra, Band, or Ensemble Training.** Mr. Eschman, Mr. Gill and others.

Band 203-204. Second year of Band. ½ hour credit per semester.

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.

Band 303-304. Third year of Band. ½ hour credit per semester.

311.312. **Musical Form.** Fee, $8 each semester. Offered in 1932-33. 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.

Band 403-404. Fourth year of Band. ½ hour credit per semester.

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.
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. 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 343-344, (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 semes-
ter for the purpose of classifying the student. Courses in Corrective Gymnastics, Beginning Swimming, Individual Athletics, Tumbling Stunts, Sports and Gymnastic Dancing 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, T. and Th. at VII. 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; first aid. 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.
   IV, 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.
   III, 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. 1, 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. 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

For Women

Miss Barr*, Miss Badenoch*, Miss Petroskey

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.

*On leave of absence, 1931-32.
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.

213. **THE NATURE AND FUNCTION OF PLAY.** A complete study of the theory of play. The history of the play movement. A study of the physical, mental, and social growth and development of the child and its relationship to a graded curriculum of games of low organization. The place of play in education. Prerequisites, 111-112, Psychology 311 taken in conjunction. 2 hours.

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. 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. Prerequisite, Zoology 111-112. Recommended Chemistry 111-112.

Tuesday and Thursday at VI, 2 hours.


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. Prerequisites, Senior standing in physical education. III, 4 hours.


Tuesday and Thursday at IV, 2 hours.

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 hours.

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 hour.
# Suggested Program for Majors in Physical Education

## Freshman Year

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<th>First Semester</th>
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<td>English</td>
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<td>Foreign Language</td>
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<td>Zoology</td>
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<td>Latin, Greek, or Math.</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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## Junior Year

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<td>School Management</td>
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<td>Hygiene</td>
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<td>Elementary Rhythms</td>
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<td>Sport’s Technique</td>
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<td>Methods of Teaching</td>
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<td>Electives (Sociology, History Philosophy, etc.)</td>
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## Senior Year

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<td>Observation</td>
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<td>Individual Gymnastics</td>
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<td>Exercise and Health</td>
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<td>School Health Problems</td>
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<td>Electives (History, English, Political Science, Sociology, Music, Philosophy)</td>
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<td>Philosophy of the Dance</td>
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<td>Kinesiology</td>
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<td>Physiology of Activity</td>
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<td>The Teaching of Health</td>
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<td>Electives</td>
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15-16
The courses offered by the department of Physics are sufficient to serve as a foundation for graduate work, and as a preparation for positions of minor responsibility in the industries.

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. A laboratory course in light, consisting of measurements in 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, and not offered in 1932-33. III, 3 hours.

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, and not offered in 1932-33. III, 3 hours.

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 and offered in 1932-33. III, 3 hours.

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 and offered in 1932-33. III, 3 hours.

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. 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. Hours to be arranged, 2 or 3 hours.
Political Science, if followed by later training, prepares one for law, political office, diplomatic and consular service, and other professions in which one is called on to interpret public events.

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. Offered in 1932-33. 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. Offered in 1932-33. 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. Not offered in 1932-33. 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. Not offered in 1932-33. 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

Psychology is helpful to those who will teach or go into any other profession. It is needed for the profession of employment manager in industry, of consulting psychologist in connection with courts, colleges, or state institutions, and in many other lines.

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 211-215. 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.

342. PSYCHOLOGICAL TESTS. A consideration of the forms, uses, and theory of mental testing. Usually accompanied by course 332. Prerequisites, courses 211-215. III, 3 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 TRENDS 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 found themselves, the reforms they sought to accomplish, and the permanent contribution they made to religious life and thought. Prerequisite, course 111. VII, 3 hours.

212. THE EARLY CHURCH. This course begins with the account in Acts, lays great emphasis on the life and work of Paul, and carries the study to the end of the Apostolic Age. Prerequisite, course 112. VII, 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 1932-33. 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. Offered in 1932-33. II, 3 hours.

217. THE HISTORY OF RELIGION. Meaning and origin of religion, nature of primitive and classical religions, history of present non-Christian faiths. Offered in 1932-33. II, 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. Not offered in 1932-33. 3 hours.

311. METHODS OF TEACHING RELIGION. A practical study of the principles and methods of pedagogy as applied to the teaching of religious

312. STORY TELLING AND DRAMATIZATION. Principles of story-telling, selection of stories, compilation of stories and sources of story material. The educational value of the dramatized story, methods of dramatization. Prerequisites, courses 111, 112 or 116. Not offered in 1932-33. 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 1932-33. 3 hours.

321. WORSHIP AND HYMNODY. The hymnbook as a history of the Christian Church; the nature and function of worship; principles of building programs for church services, church schools, young people's meetings, clubs, and camps. Not offered in 1932-33. 3 hours.

SOCIOLOGY

MR. DETWEILER, MR. TITUS

Students in Sociology may look forward to case work with charity organizations, probation work with courts, club work with settlements, certain phases of nursing and social work in mental hygiene. Teachers, future politicians and lawyers should be prepared in sociology.

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.

The following arrangement is subject to change. Students should consult Registration Schedule published in May, 1932.
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, 3 hours.

211. SOCIAL PROBLEMS. May be repeated second semester. I, 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, race of mankind, and the origin and history of culture ("civilization"). The course may be called cultural anthropology. Alternates with course 411. Offered in 1932-33 in second semester. II, 3 hours.

312. RACE PROBLEMS IN THE UNITED STATES. A detailed study of race problems in America, including immigration. Prerequisite, 3 hours of Sociology. Mon. VI. Wed. VI, VII, 3 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, 3 hours. Mr. Titus.

411. 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. Alternates with course 309. Not offered in 1932-33. 3 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 sections. I, II, VI, 3 hours.

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.

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.

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.

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.

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 1931-32. Time to be arranged. 2 hours.

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 offered in 1931-32. Time to be arranged. 2 hours.

313-314. ACTING. The following aspects, among others, will receive attention: individual training in voice; pantomime; and specific problems in character creation. There will be some public and private productions of one-act plays; and scenes from longer plays. The fundamental principles of acting will be stressed as worked out from actual rehearsal. III, 3 hours.

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. II, 2 hours.
CATALOGUE NUMBER

111

ZOOLGY

MR. LINDSEY, MR. MORGAN

The majority of students specializing in the department of Zoology are preparing for the study of medicine. The same type of undergraduate study is necessary preliminary training for the study of dentistry and very desirable for prospective nurses and hospital technicians. Zoology also paves the way for curatorial and technical work in museums and for economic work in various fields. The U. S. Biological Survey and the Bureau of Entomology especially offer openings in economic work. A major in Zoology if carefully chosen fits a student to teach high school biology and also prepares him for minor positions in college departments.

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., P. 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.

I, 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., 111; laboratory, Wed., Fri., 111-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. 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. Not offered in 1932-33.

3 hours.
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.

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.
SAM GELPER

Violin

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 Guilmanl 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 Khorassan 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

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.

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.

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 8-9 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), twenty semester hours of applied music and two hours of ensemble must be completed. The remaining 64 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 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 54-55 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 12 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 glee, and college songs.

(d) The Shepardson Glee Club. This club consists of twenty four 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.
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, 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 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 illustrate the early stages of music, and typical music of the successive
periods is rendered in class so far as possible. Alternates with 311, and not given in 1932-33. 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.

213-214. Solfeggio. Second year. Fee, $16 each semester. 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 elementary 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 purposes. 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. Offered in 1932-33. 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 melodic 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.

APPLIED MUSIC

Twenty 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**

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, VIOLONCELLO AND WIND INSTRUMENTS

MR. GELFER, MR. WELLS, MR. GILL

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. 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 Haury. Ensemble class 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
FRANK B. AMOS, '03

Executive Secretary
JOHN L. BIELKE, '16

THE ALUMNI COUNCIL

Officers
V. Ernest Field, '03, Chairman
Margaret Seasholes Riggs, '20, Secretary
W. H. Johnson, '85, Treasurer

Members

TERMS EXPIRE JUNE, 1932
Robert Collett, '14, Dayton
William A. Evans, '06, Cincinnati
Ford R. Weber, '21, Toledo
Dorothy McCann Williams, '16, Granville

TERMS EXPIRE JUNE, 1933
W. H. Johnson, '85, Columbus
V. Ernest Field, '03, Indianapolis
Margaret Seasholes Riggs, '20, Newark
George Roudebush, '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.
Graduates of the University are members of the Society of the Alumni. Former students of the Granville institutions, recipients of honorary degrees, members of the Board of Trustees, and members of the Faculty for at least three years, are received into membership. This Society was founded in 1846, William P. Kerr, '45, being the first President. Over 3,000 members are enrolled. Annual meetings are held in commencement week.

The 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.

Denison Associations of the Society of the Alumni are to be found in the following cities: New York, Chicago, Philadelphia, Baltimore, Washington, Pittsburgh, Detroit, Boston, Los Angeles, San Francisco, Denver, 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 are found in Cleveland, Cincinnati, Toledo, Akron, Canton, Youngstown, Dayton, Norwalk, Mansfield, Lima, Middletown, Springfield, Columbus and Newark. These Associations are the auxiliaries of the Society of the Alumni. 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 annual giving for alumni dues in the confidence that through this method an effective living endowment will be secured.
Degrees Conferred in June, 1931

HONORARY DEGREES
Charles Henry Carey, Doctor of Laws
William Lyon Phelps, Doctor of the Humanities
Arthur Judson, Doctor of Music
Charles Luther Williams, Doctor of Divinity

DEGREES IN COURSE
Howard Leroy Bethel, Major, History
Thesis: The History of Free Baptists in Ohio

BACHELOR OF ARTS
Ellsworth Fuller Allen
Richard McKenney Allison
Henry Sparling Ballard Jr.
Genus Ebert Bartlett Jr.
George Treadgold Beverley
Walter Frederick Bonham
Edward Hall Broadhead
Richard Lee Canary
Herschel Dan Carpenter
Donald Dwight Cheaney
Robert Ephraim Clemmer
John Eugene Couchey
Oris Wilkison Curtin
Eliseo Mark DiDomenica
Richard Doughton
George Randolph Faris
Robert Hewitt Flory
Lyman Sedgwick Ford
Von K. Frowine
Russell Spencer Gehl
Eduardo Juan Gonzaga
Arthur Alvin Greenlee
Norman Pomeroy Hall
Ik Pum Hong
Masuo Stephen Hoshide
Gordon Gammans Johnson
Frank Morris Jones
Carl Pierpont Keckley
William Criswell Kernahan
Earl Fair Kieffaber
Peter Peter Klaisen
Clarence Dwight Klinck
Harrison Kiehle Korner
Daniel Theodore Linder
John Randall McBride
Jack Alexander McConnell
Cecil John McFarland
Malcolm John MacNab
Lawrence Raymond Miller
Charles William Montgomery
Raymond King Montgomery
Claude Melvin Philbrick Jr.
Norman Hall Pollock Jr.
Allen Winfield Pool
William John Rathje
George Edward Richards
George Thomas Roderick
James Alfred Roher
John Milton Roweton
Philip William Schaefer
Allan Faber Schirmer
Howard Miller Schneider
Truman Hendrie Schneider
Vincent Chilcote Serianni
Charles Donald Siders
Donald Rees Sperry
James Allen Steinberger
Clarence Aldrich Sweetland
Thomas McKean Thompson
Glen Samuel Trask
Leonard Edward Van Dussen
Harold Clark Varney
Otto Vernon Walker
Thomas Blair Willson Jr.
Paul Kenneth Wince
Eugene Winchester
Robert Murdock Woodward
Carroll Cunningham Yoakam

Wendell Young
William Eugene Young
John William Zimmer
Marguerite Agin
Margaret Joan Alloways
Marjorie Ethel Archbold
Laurabelle Ashbrook
Marian Eleanor Babbs
Rachel Elizabeth Barnett
Bertha Madge Barr
Mary Regina Bender
Anna Ruth Benjamin
Mildred Irene Bigelow
Norma Gertrude Bown
Elizabeth Clark Chamberlain
Barbara Hines Clarke
Vivian Rowean Cochran
Mary Burdette Davidson
Lois Bertram Day
Helen Margaret Detweiler
Jean Blondina Edmondson
Virginia Elizabeth Edsall
Louise Kathryn Eisele
Mary Ellen Ellison
Lula Amanda Gallogly
Jeanette Bertha Greenough
Mabel Mary Greiner
Isabelle Jane Hall
Mary Margaret Handel
Lorraine Grace Hartig

Elizabeth Martin Hatch
Lois Elizabeth Holler
LaVeta Margaret Houser
Irma Grace Hudson
Marjorie Louise Hughes
Dorothy Annette Huichins
Jean Katharine Irving
Elizabeth Allene Jackson
Wilma Gertrude Jones
Emily Doris King
Frances Elinor Kreager
Margery Genevieve Latta
Frances Katharine Lloyd
Martha Evaline McCray
Edna Bell Minturn
Eleanor Jeannette Mitchell
Harriet Marcella Mons
Doris Maybelle Morgester
Marjorie Mabel Norman
Margaret Alice Ott
Marie Natalie Ralston
Marjorie Frances Rapp
Mary Catherine Richards
Martha Elizabeth Riddle
Marian Esther Rogers
Henrietta Kathryn Ross
Sarah Stasel Schiffeler
Jane Hastings Scully
Kathryn Kent Smith
Elizabeth Browning Stanton
Helen Virginia Stockton
Eleanor Stutler
Elizabeth Clarke Sweet
Elizabeth Adell Valentine
Muriel Elaine Van Allen
Dorothy Evelyn Weichman
Helen Lucille Williams
Lucy Jeanette Woodley
Esther Louise Woodworth
Elizabeth Miller Wright

BACHELOR OF SCIENCE
Robert Cyril Bliss
Richard Franklin Freed
Diplomas in Conservatory

Lois Bertram Day, Piano
Edward Hall Broadhead, Organ
Norman Hall Pollock Jr., Piano

Certificates in Public School Music

Margaret Joan Alloways
Lois Bertram Day
Jean Blondena Edmondson

Bachelor of Music

Mary Kathryn Nauman
Alice Abigail Smith
Katherine Louise Wynkoop

Degrees Conferred in September, 1931

Honorary Degree (Centennial)
Samuel Day Bawden, Doctor of Divinity

Bachelor of Arts

Charles Williamson Dawson  Ruth Josephine Dillon
George Lawrence Pipoly  Ruth Suzanne Goodbread
Rose Marguerite Anton  Ethel Knight Hurley
Elizabeth Esher Kirby

Degrees Conferred in October, 1931

Centennial Celebration

Honorary Degrees

George White, Doctor of Laws
Mary Emma Woolley, Doctor of Laws
Paul Dwight Moody, Doctor of Laws
Belle Sherwin, Doctor of Laws
Edward Andrew Deeds, Doctor of Engineering
Honors and Prizes Awarded in 1931

ELECTION TO MEMBERSHIP IN PHI BETA KAPPA

SENIORS

Mary Bender
Edward Broadhead
Elizabeth Chamberlain
Helen Detweiler
Russell Geil
Mary Margaret Handel
Elizabeth Hatch

Doris Morgester
Marjorie Rapp
Edward Richards
Elizabeth Stanton
James Steinberger
Helen Williams
Eugene Winchester

*Elected in Junior Year.

Robert Edwards
Eugene Young

JUNIORS

Charles Welling

Juniors

James Uebelhart

THE HARMON FRESHMAN LATIN PRIZE

First, Nelle Burner
Second, Judson Crandell

THE FRESHMAN CHEMISTRY PRIZE

Marion Moreland

THE GILPATRICK SCHOLARSHIP FOR EXCELLENCE IN MATHEMATICS

Mary Margaret Handel

THE WOODLAND CHEMISTRY PRIZE

First, Harold Johnson
Second, Charles Welling

The Lewis Prize Contest

First, Richard Canary
Second, Eugene Winchester
Third, Genus Bartlett
Fourth, Frederick Sweet

THE THETA CHAPTER OF OHIO, PHI BETA KAPPA 1931-1932 SCHOLARSHIP

Charles Welling

THE SAMSON TALBOT PRIZES IN BIBLE READING

First, James Uebelhart
Second, Mortimer Dean

General Honors

Helen Detweiler
Elizabeth Hatch
Marjorie Rapp

Helen Williams
Edward Broadhead
Eugene Young

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SPECIAL HONORS
Mary Margaret Handel, Mathematics
Elizabeth Stanton, English
Helen Williams, History

DEPARTMENTAL HONORS
Edward Broadhead, Music
Eliseo DiDomenica, Mathematics, Physics
Russell Geil, Mathematics
Harrison Korner, Mathematics, Astronomy
John McBride, Zoology
Edward Richards, Mathematics
John Roweton, Mathematics
James Steinberger, Engineering Science, Mathematics
Paul Wise, Chemistry
Eugene Winchester, Political Science
John Zimmer, Engineering Science, Mathematics
Elizabeth Chamberlain, English
Helen Detweiler, English
Mary Margaret Handel, Mathematics
Marjorie Hughes, English
Doris Morgenstern, Latin, Modern Language
Marjorie Rapp, Latin
Elizabeth Stanton, English
Helen Williams, History

ANNUAL HONORS
Sherwood Blaisdel
Edward Broadhead
Edwyn Dickerson
Eliseo DiDomenica
Robert Edwards
Joseph Gabel
Ernest Jensen
Harrison Korner
Russell Leedy
Edward Richards
Steward Smith
Charles Stoneking
James Uebelhart
William Umbach

Charles Welling
John Zimmer
Mary Bender
Frances Bingham
Esther Blackinton
Nelle Bumer
Pearl Burgoon
Helen Detweiler
Frances Gordon
Ruth Grimmell
Elizabeth Hatch
Eleanor Knapp
Wilma Lawrence
Joy MacLean
Janet McDowell
Lillian Maurer
Eileen Messenger
Doris Morgester

Edna Reitz
Martha Ann Shepardson
Virginia Smith
Lela Thuma

Mary Waddell

Edyn Dickerson
Robert Edwards
Ernest Jensen
Stewart Smith
Charles Stoneking

James Uebelhart
Charles Welling
Frances Bingham
Nelle Bumer
Frances Gordon

Elizabeth Hatch

Sherwood Blasdel
Judson Crandell
Russell Fox
Ernest Jensen
Howard Keech
Joseph McClelland
Marion Moreland
Allen Murray
Daniel Orcutt
Thomas Orcutt
George Pickard
Stewart Smith
John Stevenson
William Umbach
Dorothy Barr
Esther Blackinton
Lola Boor

Nelle Bumer
Elizabeth Davies
Frances Gordon
Ruth Grimmell
Josephine Hedges
Betty Lee Hoffhines
Mildred Jones
Theodora Jones
Dorothy Marks
Eileen Messenger
Marguerite Oxley
Margaret Schneller
Martha Ann Shepardson
Virginia Smith
Geraldine Stickney
Roberta Thompson
Lela Thuma

Ednah Mae Varnell
## Student Enrollment

(For the First Semester 1931-1932)

### SENIORS

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**JUNIORS**

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Czap, William..................................................................East Orange, N. J.
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Detweiler, Frederick.........................................................Granville
Dickerson, Edwyn.............................................................Newark
Dildine, Gibson.................................................................Lima
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Elliott, Frank....................................................................Newark
Ellison, Glenn..................................................................Middletown
Felker, John......................................................................Toledo
Fink, Wendell....................................................................Fredericktown
Gabel, Joseph..................................................................St. Clairsville
Garwood, Paul................................................................Dayton
Green, Robert..................................................................Kent
Gregg, Corby....................................................................Lewisburg, Pa.
Grendon, Howard..........................................................Tiffin
Halley, Henry....................................................................Chicago, Ill.
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SOPHOMORES

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Ashman, Corrinne .......................................................... Dayton
Baker, Mildred ............................................................. Passaic, N. J.
Baxter, Elizabeth .......................................................... Lima
Bellamy, Carolyn ......................................................... Wilmette, Ill.
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Coons, Jane ................................................................. Granville
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Daniels, Barbara ........................................................... Akron
Darrow, Ruth ............................................................... Granville
Davies, Elizabeth ........................................................... Shaker Heights
Davies, Ruth ............................................................... Cleveland
Davis, Jean ................................................................. Newark
Davis, Kathleen ............................................................. Newark
Dickerson, Anne ........................................................... London
Diehl, Virginia ............................................................. Dayton
Dobson, Claire ............................................................. Elmhurst, L. I., N. Y.
Duncan, Alice .............................................................. Toledo
Estey, Mary Helen ........................................................ Brooklyn, N. Y.
Evans, Ada ................................................................. Johnstown
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Evans, Ruth ............................................................... Croton
Fitch, Eva ................................................................. Granville
Flory, Frances ............................................................. Newark
Forrest, Jean ............................................................... Winnetka, Ill.
Grant, Ann ................................................................. Grove City
Griffith, Anne .............................................................. New Philadelphia
Grimmell, Ruth ............................................................. Cleveland
Guntrup, Celia ............................................................. Detroit, Mich.
Handy, Beatrice ................................................. Cleveland
Harrold, Louise .................................................. Willoughby
Herrin, Lucile ...................................................... Kingston, Okla.
Highland, Linda .................................................. Clarksburg, W. Va.
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Hubbell, Ann ........................................................ Quincy
Hunter, Eleanor ...................................................... Zanesville
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Riedel, Margaret ................................................... Findlay
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Shepardson, Martha Ann ......................................... Granville
Shewmon, Ruth ........................................................ Indianapolis, Ind.
Simon, Esther .......................................................... Cleveland
Smith, Virginia .......................................................... Granville
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Laman, Franklin .............................. Delphos
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Orcutt, Daniel ................................. Plainfield, N. J.
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Pickard, George ............................... Los Angeles, Calif.
Pilot, Bertram ................................. Shaker Heights
Piper, Kirk .................................... Granville
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Randel, James ................................. Mount Vernon, N. Y.
Ransbottom, Alfred ........................... Roseville
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Roberts, Edwin ............................... Granville
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Rosboro, Carl ................................. Chicago, Ill.
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Stevenson, John ........................................... Jackson
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Sullivan, Rodger .......................................... Mount Vernon
Swain, Robert ............................................ Clinton, Conn.
Sweet, Frederick .......................................... Granville
Tollerton, Robert ......................................... Chicago, Ill.
Umbach, William .......................................... St. Joseph, Mo.
Waldorf, Elbert .......................................... Painesville
Watkins, Richard ......................................... Massillon
Waybright, Roger ......................................... Jacksonville, Fla.
Weidemaier, Glenwood ................................... Norwalk
Wells, Robert ............................................... Cambridge
Wetherill, Ned ........................................... Toledo
White, Charles ........................................... Chicago, Ill.
White, David ............................................. Mount Gilead
White, Robert ............................................. Cincinnati
Wilcox, Robert ........................................... Corry, Pa.
Winston, Herbert ......................................... Chicago, Ill.
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Addenbrooke, Constance ................................ Wilmette, Ill.
Ballard, Betty ........................................... Zanesville
Barton, Viva ............................................. West Hartford, Conn.
Baxter, Mary .............................................. Lima
Bayless, Marian .......................................... Cambridge
Best, Virginia ............................................. Newark
Binder, Jeannette ........................................ Newark
Black, Catherine ......................................... Zanesville
Blasdel, Patricia ......................................... Amarillo, Texas
Bolin, Shirley ............................................ Elmhurst, Ill.
Bondeleon, Elizabeth ........................................ Kansas City, Mo.
Brooks, Maude .................................................. Shaker Heights
Bryan, Helen Mae ................................................. Oak Park, Ill.
Burt, Mary Margaret ............................................. Salem
Cherney, Marjorie ................................................ Shaker Heights
Clifford, Carolyn ................................................ Ashatabula
Clithero, Margaret ............................................... Chicago, Ill.
Coe, Dorothy ....................................................... Tremont, Ill.
Collins, Marjorie ................................................. Norwood
Conley, Helen ...................................................... Mount Vernon
Conover, Marjorie ................................................. East Cleveland
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Cook, Mildred ....................................................... Scarsdale, N.Y.
Cooper, Ann Linda ................................................ Newark
Craiglow, Elsie ...................................................... Columbus
Cregar, Martha ....................................................... Richmond Hill, N.Y.
Cunningham, Charlene .......................................... Toledo
Detweiler, Muriel ................................................... Granville
Detweiler, Ruth ...................................................... Tarrytown, N.Y.
Ditzel, Jane .......................................................... Dayton
Dorr, Carol .......................................................... Snyder, N.Y.
Doughty, Mary ....................................................... Beacon, N.Y.
Dunlap, Sara .......................................................... Cadiz
Eddy, Martha ......................................................... Granville
Evans, Aletha ....................................................... Granville
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Ewell, Jean .......................................................... Rochester, N.Y.
Freda, Evelyn ....................................................... Cleveland Heights
Gage, Marjorie ....................................................... Cleveland
Garwick, Mary ....................................................... Rye, N.Y.
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George, Carol ....................................................... Clinton, Iowa
Gibbs, Patricia ..................................................... Columbus
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Huston, Margaret .................................................. Mansfield
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Johnson, Harriet ................................................... Cleveland
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Kennedy, Martha ................................................... Dayton
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Kole, Christine ..................................................... Granville
Komarek, Henrietta ............................................... Oak Park, Ill.
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Landrum, Antoinette ............................................. Columbus
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Wolf, Doris  River Forest, Ill.
Woodard, Jean  River Forest, Ill.
Woolson, Jean  Mount Vernon
Young, Jane  Granville
Adams, Norman  Newton Centre, Mass.
Agin, Edward  Newark
Amos, Robert  Cambridge
Antes, Richard  Highland Park, Mich.
Ashley, Richard  Kenosha, Wis.
Baird, Richard  Oak Park, Ill.
Barham, Arthur  Bridgeport, Ind.
Bayless, Norman  Wilmington, Ala.
Beeby, Richard  Oak Park, Ill.
Bickford, Marshall  Bucyrus
Bloomingdale, Alfred  Findlay
Bolton, Walter  Newark
Bowerman, Emert  Homeworth
Brickels, Robert  Newark
Brintnall, Arthur  Madison
Broemmelsiek, John  Clayton, Mo.
Burchard, Frederick  Granville
Burns, John  Pauls Valley, Okla.
Butterfield, David  Zanesville
Campbell, George  Youngstown
Carey, Joseph  Dayton
Cassel, Samuel  Lansdale, Pa.
Clark, John  Hamburg, N.Y.
Coelho, Richard  Newark
Cornell, Maurice  Mount Vernon
Coss, Bert  Newark
Cox, Julian  Natural Bridge, Va.
Dorsey, William  Urbana
Dotts, Kenneth  New Philadelphia
Doughty, Francis  Beacon, N.Y.
Dunbar, Howard  Toledo
Ebaugh, Paul  Granville
Emswiler, Ralph  Bexley
Evans, Jack  Hamburg, N.Y.
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Frazier, Robert………………………………..Plain City
French, Thomas………………………………..Salem
Gaumer, Thomas………………………………Marysville
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Kimball, Wade…………………………………New Lexington
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Lanning, Adrian………………………………..Dennison
Leitch, Robert………………………………….Cleveland Heights
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Loughrin, Eugene………………………………Park Ridge, Ill.
Lowry, Robert…………………………………Chicago, Ill.
McBride, William………………………………Chicago, Ill.
McDaniel, Giles………………………………..Richwood
McElwee, Darwin………………………………Geneva
MacKay, John………………………………….Urbana
McKechnie, David……………………………..Madison
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Martin, Stanley………………………………..Utica
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Mast, Rigby……………………………………East Liverpool
Maxwell, Kenneth……………………………..Wilkingsburg, Pa.
Mays, Elden……………………………………Martins Ferry
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Conservatory of Music

SENIOR CLASS

Dorothy Amrine, Piano........................................... Zanesville
Mabel Grandstaff, Public School Music............................ Granville
Dolores Keadey, Public School Music............................... Centerburg
Selma Mentall, Organ............................................... Cleveland
Sarah Stasel Schiffeler, Piano.................................... Newark

UNCLASSIFIED

Adams, Jean......................................................................... Coshocton
Addenbrook, Constance................................................. Wilmette, Ill.
Alexander, Rex.................................................................... Canton
Archibald, Dale............................................................. Columbus
Bailey, James..................................................................... Ventnor, N. J.
Baker, Mildred..................................................................... Passaic, N. J.
Ballard, Betty...................................................................... Zanesville
Barton, Viva......................................................................... West Hartford, Conn.
Bate, Mrs. M. G............................................................... Granville
Baxter, Elizabeth............................................................ Lima
Bayless, Marian.................................................................. Cambridge
Bayless, Norman.................................................................. Wilmington
Beck, Hamilton.................................................................... Pittsburgh, Pa.
Beeby, Richard............................................................... Oak Park, Ill.
Best, Virginia....................................................................... Newark
Binder, Jeannette................................................................ Newark
Boynton, Rachel.................................................................. Clarksburg, W. Va.
Brown, Edward..................................................................... Newark
Brown, Gertrude.................................................................. Toledo
Broughton, Grace............................................................ Granville
Bryan, Helen Mae............................................................ Oak Park, Ill.
Caner, Clarice...................................................................... Pataskala
Cassel, Samuel..................................................................... Lansdale, Pa.
Clem, Mary V....................................................................... Newark
Coelho, Richard.................................................................... Newark
Coghill, Muriel................................................................... Fallsington, Pa.
Collins, Marjorie.................................................................. Norwood
Cook, Gladys....................................................................... East St. Louis, Ill.
Coons, Jane......................................................................... Granville
Czap, William...................................................................... East Orange, N. J.
Dennis, Fern........................................................................ Lancaster
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Jackson, Nan Betty.................................................................Toledo
Jacob, Howard.................................................................Cleveland
Jensen, Ernest.................................................................Granville
Johnson, Louise H............................................................Granville
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Jones, Edith E.................................................................Granville
Jump, Marjorie.................................................................Martins Ferry
Kelih, Stephen.................................................................Cleveland
Kemper, Elizabeth.............................................................Charleston, W. Va.
Kemper, Martha...............................................................Charleston, W. Va.
Kiess, Florence.................................................................Bucyrus
Kincheloe, Robert..............................................................Clarksburg, W. Va.
Knapp, Elizabeth Ann........................................................Zanesville
Komarek, Henrietta............................................................Oak Park, Ill.
Krause, M. Louise...............................................................Mansfield
Kubik, Paul.......................................................................Cleveland
Lair, Reynolds.................................................................Columbus
Landon, Harold.................................................................Cleveland
Lee, Elinore......................................................................Mt. Vernon
Lee, Evelyn........................................................................New York, N. Y.
Lewis, George......................................................................Terre Haute, Ind.
Lindstrom, Jean.................................................................Wilmette, Ill.
Little, Margaret.................................................................Russell, Kans.
Llewellyn, Leona.................................................................Wheaton, Ill.
MacQueen, Malcolm.............................................................Rochester, N. Y.
Matthewson, Alice...............................................................Oakdale, Pa.
McElwee, Darwin.................................................................Geneva
McFadyen, Jean.................................................................Columbus
McFarlane, Josephine.........................................................Lynbrook, N. Y.
McGeorge, Ralph...............................................................Cleveland Heights
McKechnie, David..............................................................Madison
McKenzie, Helen.................................................................Hamburg, N. Y.
McNeil, Carol........................................................................Granville
Mercer, Genevieve..............................................................Youngstown
Miller, William.....................................................................Cleveland
Mohr, Marian......................................................................Lima
Moore, Jean........................................................................Bexley
Moreland, Marion..............................................................Granville
Owenland, Florence............................................................Chicago, Ill.
Ortman, Thomas................................................................Washington C. H.
Osmond, John.....................................................................Cleveland
Oxley, Marguerite...............................................................Belle Center
Oxley, Philip.........................................................................Granville
Patterson, Merrill....................................................................Corry, Pa.
Perry, Lucille ........................................... Granville
Pilot, Bertram ........................................... Shaker Heights
Pyle, Janet .................................................. Cleveland
Railsback, David .......................................... Cleveland
Ricketts, Spencer .......................................... Cleveland
Roderick, Kathryn ......................................... Alexandria
Roe, Vergene .............................................. Cambridge
Rosel, Wilma ................................................ Uhrichsville
Rusler, Robert ............................................. Johnstown
Seitz, Jeanne ............................................... Cleveland
Senhauser, Edwin .......................................... New Philadelphia
Serafy, Delmar ............................................. East Liverpool
Shauck, Charles ........................................... Newark
Shaw, Mrs. A. A ........................................... Granville
Shepard, Barbara .......................................... Granville
Shepardson, Martha Anne ............................... Granville
Shewmon, Ruth ............................................. Indianapolis, Ind.
Shilling Ellis .............................................. Columbus
Shumaker, Eleanor .......................................... Granville
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Smoot, Lois .................................................. Cleveland
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Tower, Cathryn ............................................ Alexandria
Tuller, Vera .................................................. Providence, R. I.
Tuttle, Mary V ............................................. Biloxi, Miss.
Van Voorhis, Dorothy ..................................... Coshocton
Varnell, Ednah Mae ....................................... Chicago, Ill.
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Waldorf, Elbert ........................................... Painesville
Ware, Allen ............................................... Centerville
Weber, Herschel .......................................... Fort Thomas, Ky.
Weimert, Jane ............................................. Buffalo, N. Y.
Weinsz, Elenore .......................................... Dover
Wharton, Louise................................................................................. Johnstown
Wheeler, George............................................................................. Cortland
Wilkinson, Ruth................................................................................ Pemberton
Wingert, Lucile................................................................................ Granville
Wolfe, Eugene.................................................................................. Marshall, Texas
Wright, Robert................................................................................... Granville
Yaggi, Isabelle.................................................................................. New Philadelphia
Zeller, Karl.......................................................................................... Columbus
Zimmer, Carl...................................................................................... Adams Mills
Zimmer, Mildred................................................................................... Adams Mills

ADDITIONAL ENROLLMENT FOR SECOND SEMESTER 1930-31
(not included in catalogue of January, 1931)

Adams, Mrs. C. R.............................................................................. Detroit, Mich.
Blodgett, Martha............................................................................. Cleveland Heights
Chesnutt, Eleanor............................................................................. Cleveland Heights
Clem, Virginia.................................................................................. Newark
Dampeer, Dorothy............................................................................. Granville
Gockert, Frances............................................................................. Granville
Handy, Beatrice................................................................................ Cleveland
Hogue, Helen..................................................................................... Coshocton
John, Robert..................................................................................... Camp Chase
Kirby, Francis................................................................................... Granville
Kirby, Herbert................................................................................... Granville
Kirby, Mary....................................................................................... Granville
Linder, Daniel................................................................................... St. Louis, Mo.
McBride, John R................................................................................ Hillsboro
McConnell, Robert............................................................................ Dayton
Maxwell, Gladys................................................................................ Granville
Mentall, Arthur................................................................................ Cleveland
Mercereau, Virginia......................................................................... Newark
Meyer, Mrs. Carl T............................................................................ Newark
Moreland, Marian............................................................................. Granville
Noone, Roger................................................................................... Chattanooga, Tenn.
Ortman, Thomas............................................................................. Washington C. H.
Ott, Margaret................................................................................... Wilmette, Ill.
Oxley, Charles................................................................................... Granville
SUMMARY OF STUDENT ATTENDANCE
(First Semester, 1931-1932)

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<td>Sophomores</td>
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<tr>
<td>Freshmen</td>
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Total, full time students: 402, 376, 778
Part-time students: 12, 23, 35
Conservatory of Music, Collegiate rank: 8, 29, 141
Non-collegiate rank: 8, 29, 37

Grand total: 478, 513, 991
Grand total (exclusive of repetition): 422, 426, 848

CONSERVATORY REGISTRATION

*Seniors | 1 | 9 | 10
*Juniors | 16 | 12 | 28
*Sophomores | 14 | 25 | 39
*Freshmen | 8 | 29 | 37

Total | 64 | 114 | 178

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

SUMMER SCHOOL REGISTRATION

Summer Session 1931 | 43 | 30 | 73
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<td><strong>Grand total (exclusive of repetition)</strong></td>
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<td><strong>426</strong></td>
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