

THE SEVENTY-EIGHTH

ANNUAL CATALOGUE

OF

Denison University

FOR THE YEAR 1908-1909



GRANVILLE, OHIO
1909

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DEPARTMENTS
OF
DENISON UNIVERSITY

Denison University Comprises Five Departments:

- I. Granville College,
 - II. Shepardson College,
 - III. Doane Academy,
 - IV. The Conservatory of Music,
 - V. The School of Art.
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For Catalogue or other information
Address EMORY W. HUNT, D. D., LL. D., President,
GRANVILLE, OHIO

THE UNIVERSITY CALENDAR

1909

February 9	Tuesday	Second Semester begins at 9 A. M.
April 1	Thursday	Spring Recess begins, at 3:30 P. M.
April 8	Thursday	Spring Recess ends, at 7:40 A. M.
June 10-12	Th., Fri., Sat.	Final Examinations.
June 13	Sunday	Baccalaureate Sermon, 10 A. M. Sermon before Christian Associations, 8 P. M.
June 14	Monday	Field Day. Commencement Concert, 8 P. M.
June 15	Tuesday	Graduating Exercises of Doane Academy, 10 A. M. Scripture Prize Reading, 3 P. M. Lewis Literary Prize Contest, 8 P. M.
June 16	Wednesday	Class Day Exercises 10 A. M. Business Meeting of the Alumni. President's Reception, 8 P. M.
June 17	Thursday	University Commencement, 10 A. M. Alumni Dinner, 1 P. M.

SUMMER VACATION, THIRTEEN WEEKS

September 15	Wednesday	Examinations for Admission.
September 16	Thursday	First Semester begins, at 9 A. M.
November 25	Thursday	Thanksgiving Day.
December 22	Wednesday	Holiday Recess, begins at 3:30 P. M.

1910

January 6	Thursday	Holiday Recess ends, at 7:40 A. M.
January 27	Thursday	Day of Prayer for Colleges.
Jan. 31-Feb. 3	Mon-Thurs.	Mid-year Examinations.
February 8	Tuesday	Second Semester begins, at 9 A. M.
March 31	Thursday	Spring Recess begins, at 3:30 P. M.
April 7	Thursday	Spring Recess ends, at 7:40 A. M.
June 16	Thursday	Commencement.

BOARD OF TRUSTEES.

OFFICERS OF THE BOARD.

REV. H. F. COLBY, D. D., President.

G. M. PETERS, Esq., Vice-President.

J. R. DAVIES, Esq., Secretary.

E. E. HOPKINS, Esq., Treasurer.

MEMBERS.

Ex-Officio.

EMORY W. HUNT, D. D. Granville.

CLASS I.—Term Expires in 1909.

E. J. BARNEY, Esq. Dayton.
S. F. VAN VOORHIS, Esq. Newark.
TORRENCE HUFFMAN, Esq. Dayton.
J. R. DAVIES, Esq. Newark.
VINTON R. SHEPARD, Esq. Cincinnati.
E. M. THRESHER, Esq. Dayton.
REV. B. F. PATT. Sidney.
B. F. McCANN, Esq. Dayton.
DAVID ZOLLARS, Esq. Canton.
AMBROSE SWASEY, Esq. Cleveland.
REV. H. F. STILWELL, D. D. Cleveland.
J. M. SWARTZ, Esq. Granville.

CLASS II.—Term Expires in 1910.

REV. C. J. BALDWIN, D. D.	Granville.
C. T. LEWIS, ESQ.	Toledo.
W. H. DOANE, MUS. D.	Cincinnati.
E. CANBY, ESQ.	Dayton.
REV. H. F. COLBY, D. D.	Dayton.
REV. W. E. STEVENS	Dayton.
G. M. PETERS, ESQ.	Cincinnati.
*REV. C. A. EATON, D. D.	Cleveland.
REV. M. BRELSFORD	Cleveland.
JUDGE HARVEY KEELER	Cleveland.
J. M. AMOS, ESQ.	Cambridge.
J. G. LAMSON, ESQ.	Toledo.

CLASS III.—Term Expires in 1911.

H. A. SHERWIN, ESQ.	Cleveland.
F. P. BEAVER, ESQ.	Dayton.
†J. K. MCINTIRE, ESQ.	Dayton.
REV. G. E. LEONARD, D. D.	Norwalk.
E. M. DOWNER, ESQ.	Granville.
REV. G. W. LASHER, D. D.	Cincinnati.
J. B. THRESHER, ESQ.	Dayton.
BURTON CASE, ESQ.	Granville.
W. H. CATHCART, ESQ.	Cleveland.
REV. C. J. ROSE	Granville.
O. C. HOOPER, ESQ.	Columbus.
D. E. WILLIAMS, ESQ.	Columbus.

*Removed from State.

†Deceased.

COMMITTEES.

EXECUTIVE COMMITTEE.

E. W. HUNT,

J. R. DAVIES,	BURTON CASE,
TORRENCE HUFFMAN,	C. J. ROSE,
*C. W. CHAMBERLAIN,	D. M. SHEPARDSON,
BUNYAN SPENCER,	J. M. SWARTZ.

FINANCE COMMITTEE.

TORRENCE HUFFMAN, <i>Chairman</i>	Term expires 1912
†J. K. MCINTIRE.....	Term expires 1909
J. B. THRESHER.....	Term expires 1910
E. J. BARNEY.....	Term expires 1911
W. H. DOANE.....	Term expires 1913

FINANCE EXAMINING COMMITTEE.

E. M. THRESHER,	EDWARD CANBY.
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AUDITORS.

J. L. GILPATRICK,	W. H. JOHNSON.
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LIBRARY COMMITTEE.

W. H. CATHCART, *Chairman*.

E. W. HUNT,	C. J. ROSE,
W. H. JOHNSON,	O. C. HOOPER.

COMMITTEE ON INSTRUCTION.

E. M. THRESHER, *Chairman*.

W. H. CATHCART,	J. M. AMOS,
H. F. STILWELL,	V. R. SHEPARD.

*Removed from State.

†Deceased.

Faculty of Instruction and Other Officers.

*The University Faculty.

EMORY W. HUNT, D. D., LL. D., *President*,
Maria Theresa Barney Professor of Intellectual and Moral Philosophy.
Residence, President's House, College Hill

JOHN L. GILPATRICK, A. M., PH. D.,
Benjamin Barney Professor of Mathematics. Prospect Hill

RICHARD S. COLWELL, D. D.,
Professor of the Greek Language and Literature. Prospect Hill

GEORGE F. MCKIBBEN, PH. D.,
Professor of Romance Languages. Elm St., near Plum

CHARLES L. WILLIAMS, A. M.,
Professor of Rhetoric and English Literature. West Elm St.

WILLIAM H. JOHNSON, A. M.,
Eliam E. Barney Professor of the Latin Language and Literature. Burgh St.

H. RHODES HUNDLEY, D. SC.,
Dean of Doane Academy, with rank of Professor in University Faculty. College Hill

†CLARK W. CHAMBERLAIN, A. B.,
Henry Chisholm Professor of Physics.

WILLIS A. CHAMBERLIN, A. M.,
Professor of the German Language and Literature. West College St.

CHARLES E. GOODELL, A. M.,
Professor of History and Political Science. West Maple St.

FRANK CARNEY, A. B.,
Professor of Geology and Mineralogy. Burgh St.

BENNEY E. TRASK, C. E.,
Professor of Civil Engineering. Burgh St.

ARTHUR M. BRUMBACK, A. B.,
Professor of Chemistry. Shepardon Court

GEORGE E. COGHILL, PH. D.,
Professor of Zoology. Park Drive

*The term "University Faculty," as used in this catalogue, includes all persons giving instruction in the various departments of the University; the department faculties include in each case all persons giving instruction in the department in question.

†Resigned.

MALCOLM E. STICKNEY, A. M., Assistant Professor of Botany.	Talbot Hall
WARREN H. ROBERTS, A. B., Assistant Professor of English.	Talbot Hall
HARRIET M. BARKER, A. M., Dean of Shepardson College and Instructor in History of Art.	Burton Hall
BUNYAN SPENCER, A. M., B. D., Associate in Philosophy and Instructor in Greek.	West College St.
CORNELIA A. MONTGOMERY, A. B., English,	Stone Hall
CARRIE M. HOWLAND, Instructor in China Painting. Cor. Broadway and Mulberry Sta.	
ANNA B. PECKHAM, A. M., Instructor in Mathematics.	Stone Hall
CLARA A. DAVIES, M. S., Instructor in Science.	Stone Hall
ELIZABETH M. BENEDICT, Instructor in Pipe Organ and Piano.	Thresher Hall
LAURA B. PARSONS, Head of Art Department.	King Hall
FANNIE J. FARRAR, Head of Piano Department.	Thresher Hall
CLARENCE D. COONS, Instructor in Physics.	Elm and Prospect Sta.
RUTH L. JONES, A. B., Instructor in Latin and English.	King Hall
ELIZABETH T. WILSON, Head of Voice Department.	East Elm St.
AUGUST ODEBRECHT, A. M., Instructor in Modern Languages.	Burgh St.
CARL PAIGE WOOD, A. M., Instructor in Musical Theory and Chairman of faculty of Conservatory of Music.	Talbot Hall

WILLIAM G. SPENCER, A. M., Instructor in Latin.	West College St.
J. BROKENBOROUGH WOODWARD, A. B., Instructor in Mathematics.	Marsh Hall
DOROTHY KIBLER, Teacher of Piano.	Newark
BERTHA E. STEVENS, Assistant in Piano.	Newark
REGINALD L. HIDDEN, Instructor in Violin.	Columbus
FRANCES E. JONES, A. B., Physical Culture.	Burton Hall
CHARLES IVES FREEMAN, Director of Physical Training.	Elm and Prospect Sts.
THEODORE S. JOHNSON, B. S., Instructor in Physics.	Elm and Prospect Sts.
VICTOR H. HOPPE, Instructor in Public Speaking.	Marsh Hall
JOSEPH H. CORY, Instructor in English.	East Maple St.
MILLARD L. LOWERY, A. B., Assistant in English.	Talbot Hall
ANNE SORENSEN, A. B., Assistant in History.	East College St.
BERTHA FETZER, B. PH., Assistant in Zoology.	Stone Hall
OLIVE M. RUSLER, B. S., Assistant in Physiography.	North Pearl St.
INEZ WINDERS, Assistant in Voice.	Thresher Hall
EVA LYLES, Assistant in Art.	King Hall

Student Assistants.

EARL H. FOOTE,
Botany and Zoology.

PARRY R. JONES,
Chemistry.

LILY BELL SEFTON,
Chemistry.

MINNIE A. SHAFFER,
Chemistry.

FRED G. SMITH,
Chemistry.

THOMAS H. WICKENDEN,
Chemistry.

ARTHUR M. DAVIDSON,
Engineering.

JAMES H. FORSYTHE,
Engineering.

HOWARD CLARK,
Geology.

KIRTLEY F. MATHER,
Geology.

ALBERT W. DAVISON,
Physics.

WILLIAM E. HUFFMAN,
Physics.

CLARENCE KEYSER,
Physics.

CARL A. ROCKWOOD,
Physics.

LEWIS F. THOMAS,
Physiography.

ALFRED ORCUTT,
Physiology.

BIRNEY R. WALKER,
Engineering.

OFFICERS OF ADMINISTRATION.

The University Senate.

EMORY W. HUNT, D. D., LL. D.,

President of the University.

J. L. GILPATRICK, PH. D.,

Dean of Granville College.

R. S. COLWELL, D. D.,

Registrar of the University.

H. R. HUNDLEY, D. SC.,

Dean of Doane Academy.

HARRIET M. BARKER, A. M.,

Dean of Shepardson College.

Other Officers.

R. S. COLWELL, D. D.,

Registrar.

(Office, room 2, Doane Academy)

AUGUSTINE S. CARMAN, A. M.,

Educational Secretary.

(Office in Cleveland Hall)

E. E. HOPKINS,

Treasurer, Curator and Business Manager.

(Office in room 7, Doane Academy)

MRS. KATE S. HINES, A. M.,

Librarian.

(Office in Doane Hall)

MRS. HELEN M. HUNT,

Matron of Shepardson College.

(Office in West Cottage)

MRS. CARRIE ALTROGGE,

Director of Dining Hall.

FRED E. WOLF,

Secretary to the President.

General Information.

LOCATION.

Granville, the home of Denison University, is situated in Licking County, near the geographical center of Ohio. It lies among the moderately elevated and partly wooded hills which mark the transition from the more level portion of the State to the more diversified surface of the southeastern section. These geographical conditions furnish one of the most beautiful and restful landscapes in the State,—a natural environment admirably suited to the spirit and purpose of college life. The community is of New England origin, and the continued resemblance of its daily life to that of the traditional New England village is frequently remarked. The intellectual, moral and religious level of the population is high, and every endeavor is made to bring students under the best influences.

Saloons were banished from Granville as soon as the first Local Option legislation of Ohio made it possible, and they have recently been driven from the entire county, under the Rose Law, by a majority of over seven hundred.

Granville is on the Toledo and Ohio Central Railway, and by electric car to Newark, six miles distant, has access to the Pennsylvania System, the Baltimore and Ohio, and all connecting lines. It has electric car connections with Zanesville, Columbus, Springfield, Dayton and various other points. The town is also provided with local and long distance telephone service.

BUILDINGS.

Among the buildings occupied by the various departments of the University the following may be mentioned:

I.
Marsh
Hall. This building was erected in 1856, to provide lodgings for students, literary society halls and lecture rooms. It is built of brick, four stories high, 132 feet in length and 45 feet deep. The former society halls and lecture rooms have been cut up into living rooms for students, and the entire structure is now devoted to

dormitory purposes. Lavatories on each floor, including shower baths, with hot and cold water, are easily accessible from the rooms of all students. The rooms are supplied with all the heavier furnishing necessary, including a single white iron bed and mattress for each student, dresser, lounge, book case, study table and chairs. They are lighted by electricity and heated by hot water, from the central plant. The charges for these rooms, which are very moderate, will be found on another page. (See general index, under head of Expenses).

II. This is a four-story brick building, 133 feet long by 66 feet in depth, completed in 1871. Two floors complete and part of a third have been refitted for dormitory purposes in the same style and with the same conveniences as in Marsh Hall, described above. Large and well-lighted class rooms have been fitted up in this building for the departments of German, Romance Languages, Latin, History and Mathematics. These two dormitory buildings together furnish accommodations for one hundred and fifty students.

III. This was erected in 1878 for the University Library, by Dr. W. Howard Doane. It is of brick and stone, built in the form of a cross, and well adapted for its purposes. Its shelves now contain over 30,000 bound and unbound volumes. Recent improvements in heating, lighting and furnishing have contributed much to the comfort and convenience of readers.

IV. This building, the gift of E. J. Barney, Esq., in memory of his father, was almost wholly destroyed by fire in the latter part of March, 1905, but through the generosity of the original donor has been rebuilt with fire-proof construction throughout, and with the most careful attention, in every detail, to the needs of the work for which it is intended. It is devoted to the departments of Physics, Geology, and Civil Engineering, thus giving much more spacious quarters to these departments than they have had in the past. Provision has been made for the departments of Biology and Chemistry, formerly in this building, and the work in these departments will be conducted with no appreciable loss to the student until the erection of new buildings shall

provide ample room and facilities. The large geological collection was rescued from the fire without loss, and its working value has been greatly enhanced by the generosity of the eminent geologist, Dr. G. K. Gilbert, of the U. S. Geological Survey, who has presented his private geological library to the University, and is making additions to the same from time to time.

**V.
Doane
Academy.**

This building, in addition to the Principal's office, the lecture rooms and society halls of the Academy, for which it is especially designed, contains the offices of the President, Registrar and Treasurer, the President's lecture room, the lecture rooms of the Departments of English and Greek, and the University Chapel. It is of Oakland pressed brick and Amherst stone, and is three stories high above the basement. It was presented to the University by Dr. W. Howard Doane. For the present, the spacious basement of this building has been fitted up to serve as temporary quarters for the department of Chemistry.

**VI.
Burton Hall.**

This is a three-story brick building erected for the use of Shepardson College, in 1888. The interior is light and cheery in appearance, restful and homelike in effect, and complete in all its appointments.

**VII.
King Hall.**

King Hall was erected at a later date, to provide for the increasing patronage of the school, and contains rooms for about thirty young women. The rooms are of the same size, similarly furnished, and open into corridors surrounding a large central court. The lavatories of both King Hall and Burton Hall have recently been renewed and enlarged.

**VIII.
Stone Hall.**

This dormitory, completed during the Autumn of 1905, was erected to provide for the rapidly increasing number of students in Shepardson College and is the most spacious building as yet erected in the Shepardson College group. It is of brick and stone, three stories in height, and contains rooms for about sixty young ladies, besides parlors, reading room, and living rooms for five teachers. Each floor is provided with lavatories and the entire building is heated with hot water radiators and lighted by electric lights, from the central plant. The living rooms are arranged for two occupants, each having her separate bed and clothes closet. The

dormitory stands on the southwest corner of the campus, fronting towards the east, and partly surrounded by the old elms and maples which have long been a marked feature of that part of the College grounds.

IX. Teachers and students of Shepardson College, living on the College grounds, take their meals in the Dining Hall, a bright, spacious room, fully equipped for its purposes and easily accessible to the two Halls above described, and the smaller cottages as well.

X. This is the gift of Professor and Mrs. A. U. Thresher, and is located on Cherry Street, opposite the square occupied by the buildings last described. It is devoted entirely to the Conservatory of Music, and contains fifteen rooms for instruction and practice.

XI. The Recital Hall stands on Cherry Street, by the side of the Conservatory building. It is furnished with opera chairs and has a raised floor, giving each spectator an uninterrupted view of the stage. The stage is equipped with raised platform, has seating capacity for a chorus of seventy-five voices and is furnished with Steinway concert grand and parlor grand pianos and a pipe organ, the gift of Dr. Doane.

XII. This building was erected by Dr. Doane, for the young ladies of Shepardson College. It contains ample floor space for all healthful forms of indoor exercise, a good running track, a swimming pool, and such other appliances as experience shows to be valuable in maintaining robust physical health in young ladies engaged in study. That the best results may be secured from these appliances, the use of the gymnasium is under the constant supervision of a competent director.

XIII. All the university buildings are heated and lighted from the central station. The plant is divided into two parts, the boiler room, which lies just to the east of the Young Men's Christian Association building, on a somewhat lower level, and the machinery room, which lies beneath the eastern end of that building. The boiler room is supplied with three one-hundred horse power

horizontal-tubular boilers, of the Atlas make, with room for a fourth when it shall be needed. Coal, gas, or both simultaneously may be used as fuel. The smoke is conducted by an underground smoke-duct to an eighty foot stack situated back of the dormitories on College Hill, giving a total elevation from the grate bars to top of stack of more than one hundred feet, and thus securing a strong draft. Auxiliary to the boilers are two Stilwell-Bierce and Smith-Vaile 6 x 4 x 6 duplex boiler-feed pumps which may be used either to supply the boilers or to distribute hot water to the lavatories in the various buildings. The water for the latter purpose is supplied from a heater mounted over one of the large boilers. Two Laidlaw-Dunn-Gordon duplex pumps 12 x 10 x 18, situated in the machinery room, circulate the water for heating purposes throughout all the buildings of the University, and also the Baptist Church building. There are also condensers for use of the exhaust steam from the engines, or of live steam when the engines are not in motion. The water may be heated either in the boilers directly or by the use of exhaust steam. The lime is removed from the water before it enters the boilers by the use of a Stilwell-Bierce and Smith-Vaile feed-water heater and purifier. The plant now carries 44,000 feet of radiation, and has capacity for greater service as the growth of the University requires it. The lighting apparatus consists of one 45 Kilo-Watt Thresher generator, direct-connected to a 60 horse power Ball engine, and one 75 Kilo-Watt Thresher generator direct-connected to a Russell engine of 110 horse power. The latter has a capacity of 1200 lights, the former of 720. These supply light to all the University buildings, and electric current to the laboratories for experimental purposes.

XIV. Cleveland Hall is the home of the Young Cleveland Men's Christian Association, the Gymnasium and Hall. the College Literary Societies. The main gymnasium floor, with gallery and running track, occupying the east end of the building, is called the Swasey Gymnasium, as a fitting recognition of the generosity of Mr. Ambrose Swasey, of Cleveland. For the same reason the Assembly room of the Young Men's Christian Association, in the west end of the building, is designated as Sherwin Hall, in honor of Mr. H. A. Sherwin, of

Cleveland. Adjoining the main gymnasium floor is a spacious locker room, leading at the other end to the swimming pool and lavatories. On the second floor, near the assembly room, is a large reading room, provided with a well selected list of the current magazines and newspapers, open to all the young men of the University. The third floor is divided into two large halls occupied by the Calliopean and Franklin literary societies. There are also committee rooms, and offices for the Director of Physical Training and the Educational Secretary of the University. The building lies between the dormitories and the village, easily accessible from either, and its completion marks an important epoch in the social and religious life of the University. The more systematic physical training which the facilities of the building render possible under the supervision of a competent Physical Director, forms a very important factor in maintaining the health and vigor of the student body, and consequently in improving the standard of scholastic work.

SCIENTIFIC EQUIPMENT.

Physics.—The Department of Physics occupies the first and second floors of the Barney Memorial Hall, and displays in its thirty-one rooms the most modern details of laboratory construction. These include offices of administration, library, lecture and recitation rooms, general and research laboratories, photometric and photographic dark rooms, instrument and preparation rooms, fire-proof vault, constant temperature vault, chemical kitchen and mechanician's shop. The laboratories and lecture rooms are supplied with natural gas, air under pressure, vacuum, hot and cold water, soft water, time service, electrical distribution from storage battery and alternating or direct current generators. A full complement of modern apparatus is available for lecture demonstrations and student work in course, while special facilities are provided for thesis and research work. As part of this equipment may be mentioned the standard hydrogen thermometer, observatory barometer, analytical balances, Société Gènevoise dividing engine, standard voltmeters, Clark and Weston standard cells, Carey-Foster bridge, Kelvin low-resistance bridge, potentiometer, standard of self-induction, with sechometer and high frequency

apparatus, single and polyphase generators, synchronous and induction motors, Fresnel bi-prism, Rowland grating, Lummer-Brodhun photometer, Nicol prisms, Michelson interferometer, and a complete set of the Chamberlain compound interferometers.

Geology.—The Department of Geology occupies the entire third floor of Barney Memorial Hall. The main lecture room, in the east end, is thirty-seven by thirty-two feet and is equipped with stereopticon and permanent screen for the use of slides, the collection of which numbers between three and four thousand. This room also contains relief maps and roll maps, for the illustration of lecture work, and over two hundred drawers of specimens for use in the elementary study of minerals. The corresponding room in the west wing of the building is used for laboratory work in Physiography and Geography. It is well supplied with tables, maps, minerals, etc., and contains a specially designed case of one hundred and forty drawers for the filing of topographic maps. The main room on the north side is used for mineralogical work. Its desks are supplied with gas, and compressed air for blow-pipe work. Several sets of natural and artificial crystals are kept in this room, together with rocks and minerals for experimentation. Microscopes and other necessary instruments are provided. Adjoining this room is the administrative office of the department. The main room on the South side contains the Gilbert Geological Library, presented by the eminent geologist, Dr. G. K. Gilbert, of the United States Geological Survey, in recognition of the valuable work which has been done by the Geological department of Denison. The room is also provided with a large number of the current Geological and Geographical periodicals, English, French and German. There is also a work-shop, sixteen by twenty-seven feet, and a dark-room for photographic work. This shop contains a specially designed table used for mounting maps on cloth. The equipment for geological photography is especially complete and efficient, and the high quality of the slides made here has attracted marked attention.

Civil Engineering.—The department of Engineering is equipped with the facilities necessary to a thorough course in the subject. Its rooms comprise the third and fourth floors of Barney Memorial Hall. The instruments for field work are

sufficient to send out ten separate parties at once if necessary. The equipment includes transits, solar attachments, levels, plane tables, compasses, leveling and topography rods of all patterns, together with all the smaller implements, such as tapes, pins and range poles. As an aid in class-room work the department has gathered a very large and well selected supply of shop drawings of railway and highway bridges, roof trusses, culverts, and other kinds of construction work. There are also many drawings and specifications for sewers, water systems and other municipal works. From the Highway Commissions of various States the department has secured plans and specifications for every form of modern highway construction. The cement testing laboratory is equipped with a Fairbanks testing machine, with complete outfit for illustrating all the commercial tests of cements, and "Miracle" building block and tile machines. For this work the leading manufacturing firms of the State furnish specimens of all the standard paving and building blocks which they place on the market. The drafting rooms occupy the top floors of the central division and of both wings of Barney Hall, are well lighted by large skylights, and furnished with all requirements for a thorough course in drafting. There are facilities for making blue-prints and white-prints, three dark-rooms being available for this purpose. The department library and reading room is supplied with the best current technical periodicals and a carefully selected list of important books on all branches of engineering work. There is also a large collection of lantern slides for illustrative purposes.

Chemistry.—The Chemical Laboratories occupy the whole basement floor of the Doane Academy building. There are nine rooms, forming three laboratories, store rooms, balance room, lecture room and office, where is located a chemical library. The laboratories are furnished with natural gas and water at all the desks. A large still supplies distilled water.

The equipment is ample for the needs of the courses. One store room is well stocked with glass, wood, iron, and porcelain ware, which is issued to the students in quantities amply sufficient for the demands of the best work. The other store room is equally well stocked with chemicals. The equipment and supplies are selected with special reference to the aim of the

courses which is to give a broad theoretical basis. The first three years of work are devoted entirely to this end. Only students who acquire such a foundation are invited to continue work in chemistry. For all who are ready for advanced work the laboratories offer excellent means for entering upon special and technical subjects. Those who are interested in medicine, pharmacy, industrial chemistry, mining, chemical engineering and other allied branches will find in the laboratories abundant opportunity for securing preparatory training.

Botany and Zoology.—The departments of Botany and Zoology occupy temporary quarters in Talbot Hall, where lecture rooms and laboratories for the various classes in general biology, morphology and histology have been provided. The lecture rooms are equipped with projecting apparatus for lantern slides, microscopic preparations and opaque objects, Leuckart zoological and Bornträger botanical charts, Ziegler and Auzoux models, and other illustrative materials. The laboratories are furnished with individual desks which afford ample locker space.

The University Herbarium embraces very representative collections from all parts of the United States and Mexico, and is especially full in local flora, thus affording valuable equipment for classes in systematic botany. A number of the leading botanical and zoological journals in English, French and German are accessible to students. The library of the Scientific Association receives in exchange for the *Bulletin of the Scientific Laboratories* the Proceedings and Transactions of most of the leading learned societies at home and abroad, together with the scientific publications of the various States and of the United States Government. This library, located in Barney Memorial Science Hall, is open for consultation throughout every working day of the college year.

LIBRARY PRIVILEGES.

The University Library is open under liberal regulation to the Faculties and students of all departments, and its contents are classified and arranged according to the Dewey system, thus enabling the reader to ascertain the resources of the Library on any given subject in the shortest possible time.

The Marsh Memorial Library, in King Hall, founded by Dr. and Mrs. Shepardson, in memory of their daughter, Mrs. Lide Shepardson Marsh, furnishes a valuable collection of books for missionary and Bible study. A special collection of works on music is accessible to students in music at the Conservatory building, and in Burton Hall is maintained an excellent collection of standard and recent works bearing on the history and criticism of the Fine Arts.

SCIENTIFIC PUBLICATIONS.

The "Bulletin of the Scientific Laboratories," published by the scientific departments under the auspices of the "Denison Scientific Association," affords an opportunity for the publication of original work by students and instructors in the several departments.

Among the contents of the thirteen volumes of this Bulletin have been many of the important geological and biological studies of the late C. L. Herrick; various studies in physics, by Professor A. D. Cole; studies in the pre-glacial Drainage of Ohio, by Professor W. G. Tight; a series of papers on the Clinton Group in Ohio, by August F. Foerste; studies in the nerve system of fishes, by Professor C. J. Herrick; a catalogue of the Phanerogams and Ferns of Licking County, by Herbert L. Jones; the Birds of Licking County, by Irving A. Field; papers on various phases of the Geology of Licking County, by C. L. Herrick, W. G. Tight, Professor Frank Carney and others; studies in New Mexico Geology, by C. L. Herrick and Douglas W. Johnson, and a number of Professor Thomas Leonard Watson's researches in the various ore-deposits of Virginia, Georgia and North Carolina.

THE DENISON SCIENTIFIC ASSOCIATION.

This society aims in the words of its constitution :

- (a) To afford opportunity for the interchange of ideas by those interested in the various sciences.
- (b) To collect, record, and disseminate information bearing on the sciences.
- (c) To stimulate interest in local natural history and to preserve notes and specimens illustrating the same.

It has been the means of much good in arousing a desire for original scientific investigation, and the interest in its work is constantly increasing.

For information concerning the Bulletin of the Scientific Laboratories, published under the auspices of this association, address the Permanent Secretary, Professor Frank Carney.

THE ENGINEERING SOCIETY.

The Engineering Society is an organization composed of instructors and students who meet to read and discuss papers of technical interest, and make reports on engineering structures and other subjects relative to the work of the department of Civil Engineering. A reading room and library are maintained, accessible to all students in the department, where the leading Engineering periodicals may be consulted. An effort is made to develop the habit of constant study of Engineering literature, together with an appreciation of its value to the engineer.

GEOLOGICAL SOCIETY.

The C. L. Herrick Geological Society was founded in 1907, "to foster a spirit of inquiry, to stimulate an interest in Geological studies independent of class work, and to emphasize the pleasures to be found by the pursuit of knowledge in nature." A monthly programme is given throughout the school year, so arranged that each member appears before the Society each semester. The number of active members is limited to twenty.

THE DENISON LANGUAGE ASSOCIATION.

This association was organized to stimulate interest in language study and unify the work of the various language departments of the University. All members of the University, whether students or teachers, may have their names placed upon the membership roll upon request, and no membership fee is required. Its meetings are held every other week.

LITERARY SOCIETIES.

There are six literary societies maintained in the different departments of the University,—The Calliopean, and Franklin, open to all students in Granville College; the Ciceronian and

Irving, of Doane Academy; the Euterpean and Philomathean, for the young women of Shepardson College. These all maintain regular weekly meetings, and are of great value to the literary and social life of the University.

THE DENISON ORATORICAL ASSOCIATION.

The aim of this organization is to promote interest in public speaking. Under its auspices a local contest is held each year to determine who shall be the representative of the college at the Inter-Collegiate Oratorical Contest. Occasional contests in debate with other colleges have also been arranged.

THE DENISON ATHLETIC ASSOCIATION.

The Athletic Association looks after the work in the gymnasium and provides other forms of physical training, at once interesting and profitable to the student. The payment of an annual athletic fee, assessed by the University, constitutes each male student a member of this association, entitled to all its privileges and to a vote in its management. The association possesses a fine athletic field, presented by F. P. Beaver, Esq., of Dayton.

MORAL AND RELIGIOUS INFLUENCES.

Vigorous branches of both the Young Men's Christian Association and the Young Women's Christian Association are maintained in the University. These organizations maintain regular classes in systematic Bible Study, the Young Men's Association offering a four years' course comprising the Life of Christ, the Apostolic Age, Old Testament Biography, and New Testament Doctrines. Students taking this course receive certificates upon successful examination at the end of each year, and at the end of the course a diploma, under the auspices of the International Committee of the Young Men's Christian Association, Bible Study Department. Every phase of school life is represented in the membership of these organizations, and the zeal shown in the work is earnest and unremitting.

The entire life and administration of the University, while avoiding sectarianism, is positively and emphatically in favor of the Christian religion. Each day the University assembles in

the Chapel for prayers, and this service the students in all departments are required to attend, unless excused for satisfactory reasons. They are also expected to attend morning and evening church services each Sunday, full liberty being allowed to conscientious denominational preferences in selecting a place of worship. Students are welcomed in the various Sunday Schools of the village, and in the Baptist Sunday School there are several classes taught by University instructors and intended expressly for students.

AIM.

The University has long enjoyed an honorable reputation for thoroughness, and other excellencies of mental discipline, and to maintain and advance this reputation, as far as possible, is the constant aim of Trustees and Faculty. Every possible resource will be employed to develop young men and young women in the most successful manner, physically, intellectually, and morally.

DIVISION OF THE SCHOOL YEAR.

The scholastic year, exclusive of the short winter and spring recesses, is divided into two semesters of eighteen weeks each. The semester system admits of greater flexibility in the arrangement of courses and schedules than the three terms system which it displaces, and it is also believed that there is a distinct gain in having but two general examination periods during the year. The winter and spring vacations are continued, as heretofore, but new students desiring to enter for the latter part of the year will present themselves not at the close of one of these vacations, but at the opening of the second semester. (See Calendar, page 4).

REGULARITY AND PUNCTUALITY.

Each semester opens with the Chapel service, on the morning of the day scheduled in the University calendar. Punctuality at the beginning of the session is especially desired, as losses incurred by beginning behind one's classes can never be fully repaired. Although students will be admitted at any time, it is highly desirable that they begin their studies with the Fall

semester. If the attendance is expected to be for but one semester, that is the best; if for longer, the regularity secured by beginning with the opening of the school year, in September, adds greatly to the profit of the study.

Without special permission to do otherwise, each student is expected to take not less than thirteen nor more than eighteen hours of work in the class-room per week.

Careful records are kept by the University officers, from which each student's character for punctuality as well as for attainments in his studies can at any time be ascertained. This information will be furnished to parents or guardians at the end of each semester, and at any other time, on application to the President.

CHAPEL ATTENDANCE.

Students prevented by any valid reason from regular attendance at the daily Chapel exercises must present in advance their reasons for seeking exemption from this requirement and have the same approved by the proper authority. For young men in college classes, this matter is in the hands of the Dean of Granville College, Professor J. L. Gilpatrick; for young men in academy classes, the Dean of Doane Academy, Dr. H. R. Hundley; for young women, the Dean of Shepardson College, Miss Barker.

CLASS STANDING.

Each instructor keeps a constant record of the work of each pupil, and reports the same to the Registrar at the close of the semester. In the college classes the standing is indicated as follows: The letter A opposite a student's name, indicates that his work for the semester, including examination, has been *excellent*; B, that it has been *good*; C, *fair*. The letter D indicates that the work has been *too poor* to receive credit until some *condition*, imposed by the instructor, has been fulfilled; and E indicates a complete failure.

Students marked D must remove the imposed condition previous to the beginning of the second semester thereafter, in order to get credit for the study in question. Students marked E in any study necessary to the completion of their course must

take such study over again in class, or if that is impossible, in such way as the Faculty shall direct.

EXAMINATIONS.

A careful examination of every class is held at the close of each semester. All students, whether candidates for degrees or not, must attend all examinations in the studies which they pursue. No student whose examination in any study is reported "incomplete" will receive credit for that study until the examination has been completed, and this must be done within one year from the date of the original examination.

SPECIAL STUDY FOR HONORS.

Any regularly classified student who has maintained an A rank in not less than half his work during two successive semesters of the freshman and sophomore years, and 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 first of April 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 study for one college year.

The student shall be examined on this work prior to the first of April of the Senior year. The examination shall be conducted under the direction of the Professor in charge, assisted by some other member of the faculty to be appointed by the President, and in addition to the special assignment it shall cover in a general way all other work which the applicant has taken in the same department. If creditably passed it shall entitle the applicant to have his name placed upon the records of the University as having won Honors in this department, and the fact shall be announced on Commencement day and published in the annual catalogue.

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

Work done for 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 Honors are bestowed be counted as any part of the student's requirements for his baccalaureate degree.

PRIZES.

1. *The Lewis Literary Prize Contest.* Charles T. Lewis Esq., of Toledo, offers to the Franklin and Calliopean Literary Societies the following prizes, to be obtained by literary contests during Commencement week: Forty dollars to the best debater, thirty dollars to the best orator, twenty dollars to the best essayist, and ten dollars to the best declaimer.

2. *The Samson Talbot Prize Reading.* This prize foundation is for the best reading of Scripture and is open to Seniors and Juniors. The prizes are \$40 and \$20 respectively.

3. *Senior English Prizes.* To the young lady who shall prepare and read the best essay in the Senior Exhibitions, \$10; to the second best, \$5.

To the young man who shall prepare and deliver the best oration in the Senior Exhibitions, \$10; to the second best, \$5.

4. *The Fletcher O'Marsh Prize.* A prize of \$100 to the undergraduate student in Physics who shall present the best paper upon such topic as may be assigned by the department of Physics. This prize is established by Charles A. Marsh, of the Class of 1878, as a memorial to his father and mother, who were long connected with the educational interests of Granville.

5. *The Frances W. Shepardson Prizes in History.* First and second prizes of \$50 and \$25 respectively, for the best papers or examinations on some phase of American History, to be determined by the department of History. These prizes are contributed by F. W. Shepardson, LL. D., of the Class of 1882.

6. *Athletic Prizes.* A number of prizes are awarded for excellence in certain sports and athletic exercises on Field Day.

HONORS AND PRIZES AWARDED IN 1908.

Special Honors in German: Lottie C. Grandstaff.

Special Honors in Physics: Ruth Pickering and Raymond C. Ditto.

The Lewis Contest: Debate, Samuel G. Bridges, Calliopean; Oration, Joseph H. Lloyd, Calliopean; Essay, Kirtley F. Mather, Franklin; Declamation, Thomas D. Rees, Calliopean.

The Samson Talbot Prize Reading: First prize, Joseph H. Lloyd; second prize, Millard L. Lowery.

The Fletcher O. Marsh Prize in Physics: Theodore S. Johnson.

The Francis W. Shepardson History Prizes: First prize, Anne Sorensen; second prize, Linn W. Hattersley.

The Senior English Prizes: For young women; first prize, Irene N. Conley; second prize, Beulah Rector.

For Young Men: First prize, Joseph H. Lloyd; second prize, Fred R. McArthur.

SCHOLARSHIP FUNDS.

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

1. The Mary K. Monroe Fund, \$30,000. The income of this fund is available for ministerial students in Granville College, and in the Theological Seminaries after graduation from Granville College.

2. The King Scholarship Endowment, of \$12,000, for the aid of young ladies in Shepardson College.

3. The Ebenezer Thresher Fund, of \$10,000, for the aid of young men in Granville College.

4. The M. E. Gray Fund, of \$5,000, for the aid of ministerial students in Granville College.

5. The David and Jane Harpster Fund, of \$1,500, available for students in Granville College and Doane Academy.

6. The David Thatcher Fund, \$1,500, available for ministerial students in Granville College and Doane Academy.

7. The Mary Arnold Stevens Fund, of \$500, for students in Granville College or Doane Academy.

8. The Shepardson Scholarship, income of \$1,000, for students in Shepardson College.

9. The Luse Scholarship, income of \$1,000, for students in Shepardson College.

10. The Bostwick Scholarship of \$1,000, established by A. F. and A. A. Bostwick, of Seville, Ohio.

11. The Griswold Scholarships, the income of \$5,000, the gift of the late G. O. Griswold, Esq., of Warren, Ohio.

12. The Lewis Scholarships, contributed by Charles T. Lewis, Esq., of Toledo, affording free tuition annually to two students.

13. The Doyle Scholarship, contributed by John H. Doyle, Esq., of Toledo, affording free tuition annually to one student.

14. The Maria Theresa Barney Fund, from which the President of the University has a varying amount at his disposal each year to be loaned to students at his discretion, without interest.

15. The Ohio Baptist Education Society has at its disposal free tuition scholarships for its beneficiaries to the number of forty, if necessary.

16. By authorization of the Trustees the President of the University may remit the tuition of a limited number of students in cases of special necessity.

17. A few scholarships which were sold in the early days of the college were afterwards surrendered by the original purchasers and are at the disposal of the Faculty.

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

For further information regarding scholarships open to ministerial students, address Rev. A. S. Carman, Educational Secretary; concerning scholarships open to those not studying for the Ministry, address the President of the University.

FIRST DEGREES.

The degrees of A. B., B. S., and Ph. B., are conferred upon such candidates for the same as have passed satisfactory examinations upon all the studies required.

Candidates for these degrees are required to pay the treasurer their dues, including the graduating fee of five dollars, as early as June 1.

No first degree will be granted to any candidate therefor who, at the beginning of the second semester of the Senior year shall have charged against him as incomplete any work of the course required prior to the Senior year.

SECOND DEGREES.

The usual second degree is conferred on completion of graduate courses of study. Undergraduates who have advanced standing may take work toward a second degree, but not more than two-thirds of a year of such work may be taken previous to graduation. Students in graduate courses are subject to the same tuition, incidental and laboratory fees as others. The diploma fee for all advanced degrees is ten dollars. The particular requirements for the several degrees are as follows:

FOR THE DEGREES OF A. M. AND M. S.

The candidate for either of these degrees shall study in the University at least one year. He shall, with the approval of the Faculty, select one study which he shall pursue throughout the year as a Major; and he shall also, with the advice of the Professor in his major subject, choose one or two minors in allied subjects to be pursued throughout the year. The candidate, before receiving his degree, shall present a satisfactory thesis on some topic approved by the Professor in charge of his Major.

THE MEDICAL PREPARATORY COURSE.

The Scientific Course includes the subjects recommended by the Association of Medical Colleges for prospective medical students, and special opportunities are offered in the departments of Zoology, Botany and Chemistry to such students as may desire to secure entrance to medical schools of the best grade. It is now recognized that the rapidly increasing competition in the medical profession makes necessary the best possible preparation and that college graduates have vastly better prospects of success than others. To accommodate those students who desire to lay the broadest possible foundation for medicine, a year of graduate work is offered leading to the degree of Master of Science and presenting advanced courses in comparative anatomy, histology, neurology, botany, chemistry and physics.

THE SEPARATE DEPARTMENTS.

I. Granville College.

HISTORICAL STATEMENT.

The name "Granville College" was the official designation of the school now known as Denison University, for about ten years previous to the adoption of the present name. At various times during the succeeding years the re-adoption of the name had been informally discussed among the friends of the institution, but the matter had not been taken up officially. When the re-adjustment of the relations between Denison University and Shepardson College came before the Board, the necessity for some separate designation for the department of the University which has to do with the instruction of young men in the four college classes led inevitably to the revival of the old name *Granville College*. Wherever this term is used, the reader will understand that it refers to the department of collegiate instruction for young men, as distinguished from the departments dealing with the collegiate instruction of young women, preparatory instruction, etc.

FACULTY OF GRANVILLE COLLEGE.

EMORY W. HUNT, D. D., LL. D.,
Intellectual and Moral Philosophy.

JOHN L. GILPATRICK, A. M., Ph. D.,
Mathematics.

RICHARD S. COLWELL, D. D.,
The Greek Language and Literature.

GEORGE F. MCKIBBEN, Ph. D.,
The Romance Languages.

CHARLES L. WILLIAMS, A. M.,
Rhetoric and English Literature.

WILLIAM H. JOHNSON, A. M.,
The Latin Language and Literature

*CLARK W. CHAMBERLAIN, A. B.,
Physics.

WILLIS A. CHAMBERLIN, A. M.,
The German Language.

CHARLES E. GOODELL, A. M.,
History and Political Science.

FRANK CARNEY, A. B.,
Geology and Mineralogy.

BIRNEY E. TRASK, C. E.,
Civil Engineering.

ARTHUR M. BRUMBACK, A. M.,
Chemistry.

GEORGE E. COGHILL, Ph.^cD.,
Zoology.

MALCOLM E. STICKNEY, A. M.,
Botany.

WARREN H. ROBERTS, A. B.,
English.

HARRIET M. BARKER, A. M.,
History of Art.

BUNYAN SPENCER, A. M.,
Logic.

CORNELIA A. MONTGOMERY, A. B.,
English.

ANNA B. PECKHAM, A. M.,
Mathematics.

CLARENCE D. COONS,
Physics.

* Resigned

AUGUST ODERRECHT, A. M.,
Modern Languages.

CARL PAIGE WOOD, A. B.,
Theory of Music.

CHARLES I. FREEMAN,
Physical Training.

THEODORE S. JOHNSON, B. S.,
Physics.

VICTOR H. HOPPE,
Public Speaking.

ANNE SORENSEN, A. B.,
History.

CONDITIONS OF ADMISSION.

Regularly authenticated graduates of Doane Academy are admitted to the Freshman class without further examination.

The graduates of certain approved High Schools are credited with their certified High School work without examination, so far as such work coincides with the entrance requirements of the University. Candidates prepared elsewhere than in Doane Academy or Shepardson College Preparatory Department must in every case present certificates or diplomas officially signed and showing the amount of work done and credit gained in each study. These must be presented when the student applies for admission.

Examinations for admission to the College classes will be held on the day preceding the beginning of the Fall semester, at 9 A. M. (See Calendar).

ENTRANCE REQUIREMENTS.

The unit employed in the following statement of Entrance Requirements comprises five hours (recitation periods) a week throughout the school year. For admission to the Freshman Class without condition fifteen units must be offered from the following recognized preparatory work, in accordance with the groups stated as follows:

ENGLISH, 3 UNITS.

The usual College requirements in Composition, Rhetoric and English Classics.

LATIN, 4 UNITS.

First Latin book, 1 unit.

Caesar and Composition, 1 unit.

Cicero, 6 orations, and Composition, 1 unit.

Virgil, six Books of the Aeneid, and Composition, 1 unit.

GREEK, 3 UNITS.

First Greek Book, 1 unit.

Anabasis and Composition, 1 unit.

Homer and Composition, 1 unit.

FRENCH, 3 UNITS.

GERMAN, 3 UNITS.

HISTORY, 4½ UNITS.

Ancient History, 1 unit.

Mediaeval and Modern History, 1 unit.

English History, 1 unit.

Advanced United States History, 1 unit.

Civics, ½ unit.

MATHEMATICS, 3 UNITS.

Algebra to Quadratics, 1 unit.

Algebra through Quadratics, ½ unit.

Plane Geometry, 1 unit.

Solid Geometry, ½ unit.

SCIENCE, 5½ UNITS.

Physics, ½ unit. Physics with Laboratory work, ½ unit.

Chemistry, ½ unit. Chemistry with Laboratory work, ½ unit.

Physical Geography, ½ unit. Physical Geography with Laboratory work, ½ unit.

Botany, ½ unit.

Physiology, ½ unit.

Zoology, ½ unit. Zoology with Laboratory work, ½ unit.

Mechanical Drawing, ½ unit.

From this list of possible entrance subjects the following groups are made up, the studies of the first group being required of all applicants for admission to the Freshman Class, in addition to which group II is required of all who enter the Classical Course, group III of all who enter the Philosophical, and group IV of all who enter the Scientific.

GROUP I, *required of all.*

English, 3 units.

Mathematics, $2\frac{1}{2}$ units (Algebra, $1\frac{1}{2}$ units, Plane Geometry, 1 unit.)

History, $1\frac{1}{2}$ units.

Total, 7 units.

GROUP II, *required of Classical students.*

(Group I, as above, 7 units.)

Latin, 4 units.

Greek, 2 units.

Elective, 2 units.

Total, 15 units.

GROUP III, *required of Philosophical students.*

(Group I, as above, 7 units.)

Foreign Language, 4 units.

Science, 1 unit.

Elective, 3 units.

Total, 15 units.

If Latin is offered as a part of the requirement in this group, it must be not less than two units, and students desiring to pursue any of the college groups for the Philosophical degree which require Latin must of course present 4 units of Latin for entrance.

GROUP IV, *required of Scientific students.*

(Group I, as above, 7 units.)

Foreign Language, 4 units. If Latin is offered it must be not less than two units.

Science, $2\frac{1}{2}$ units.

Elective, $1\frac{1}{2}$ units.

Total, 15 units.

DEFICIENCIES IN CERTAIN BRANCHES.—Students often apply for admission to the regular classes, who are behind those

classes in some study. If such students show ability, all possible assistance is afforded them in compassing their purpose. It is sometimes, however, necessary for them to secure private instruction for a short time; but this may be obtained at very reasonable rates.

STUDENTS NOT CANDIDATES FOR A DEGREE.—Students who do not desire to become candidates for a degree may be admitted to the College, provided they give satisfactory evidence to the Faculty that they can profitably pursue the studies which they may select.

GENERAL REQUIREMENTS FOR GRADUATION.—In estimating the credits for the baccalaureate degree the unit adopted is one hour a week of lecture or recitation or two hours a week of laboratory work, through one semester. One hundred and twenty-four such units, and four units in physical training are necessary to the completion of any course of study leading to a degree. Ordinarily, it is expected that the student will complete sixteen such units each semester, and no student will be permitted to elect studies aggregating more than eighteen or less than thirteen units in any semester without special permission from the Faculty.

CLASSIFICATION OF STUDENTS.

No student will be classified as Freshman who is deficient in more than ten hours of preparatory work. For Sophomore standing the student must have removed entrance conditions and gained credit for at least twenty-two hours of college work. For Junior standing he must have completed at least fifty-eight hours of college work, and for Senior standing at least eighty-eight. Gymnasium work required of Freshmen and Sophomores respectively must be completed before they will be advanced to Sophomore and Junior standing. No student will be graduated from the University who at the close of the Spring Recess previous to graduation has not gained credit for at least one hundred and six hours of college work.

DISMISSION.

Students leaving before the close of a semester will not be regarded as having honorably terminated their connection with the University unless regularly dismissed by the President.

EXPENSES.

It is believed that a collegiate education can be obtained here at as little expense as at any other college of equal rank for thorough work and adequate equipment in the country. The following table will indicate closely the necessary items of expense.*

Tuition, \$25 each semester	\$50
Room rent in Dormitories, including light and heat, \$17.50 to \$25 each semester, according to location	\$35 to 50
Incidentals, including Gymnasium and Library fees, \$20 each semester	40
Books per year, (estimated)	12
Board	88
Washing	12
Sundries	10
Total	\$247 to \$262

Matriculation Fees are as follows: Freshman Class, \$2; Sophomore, \$3; Junior, \$4; Senior, \$5; Electives, \$2.

Students registering for more than eighteen hours of work in one semester are required to pay an extra tuition fee of \$1.00 for each extra hour.

For the Laboratory fees connected with certain scientific studies, see the statements of the various scientific departments, in the following pages.

Registration Fee, one dollar. For registrations made the first day of a semester, the fee is remitted, for the second day, one-half the fee is remitted.

A retaining fee of five dollars is charged for the reservation of rooms in the Dormitories, which must be paid before August first. This fee is credited on room rent and is forfeited if the room is not taken.

Absence from any regular examination subjects the student to a fee of \$2 for special examination.

Board in clubs costs from \$2.30 to \$2.75 per week; in families, \$3 to \$3.50. Whatever board costs over \$2.30 per week must be added to the above estimate. Many students reduce their expenses below this sum.

All term bills must be paid at the beginning of each semester. Any student, honorably dismissed during the first half of a semester, will have one-third of semester bills refunded.

* Consult the General Index for reference to expenses in other departments.

DORMITORY FURNISHING.

Students rooming in the college dormitories are expected to provide their own bed clothing, towels, soap and other toilet appliances. For the charge specified in the preceding table the college provides the necessary furniture (bedstead, mattress, dresser, book-case, lounge, table and chairs) lights the rooms with electric lights and heats them by means of hot water radiators. The living rooms are all in close proximity to lavatories, on the same floor, where shower baths are provided, with hot and cold water. Students not rooming in the College buildings must have their rooms approved by the Faculty and be subject to the general regulations of the college.

STATEMENT OF WORK IN THE VARIOUS
DEPARTMENTS.

INTELLECTUAL AND MORAL PHILOSOPHY.

PRESIDENT HUNT.

ASSOCIATE SPENCER.

The required work in this department comprises one hour a week during the first semester of the Freshman year, four hours a week during the first semester, and five hours a week during the second semester of the Senior year. Elective work in Logic is offered through both semesters, three hours per week, open to Juniors and Seniors and other advanced students at the discretion of the Instructor.

The method of the work is almost exclusively by text-book and recitation, with theses upon assigned topics. Attention is not confined to a single text-book, however, but care is taken to give the student an introduction to the best literature of the subject.

President Hunt meets the Freshmen one hour a week during the first semester in a study of the foundations of Christian truth, which is examined with special reference to the objections which it has to meet today.

Careful attention is devoted to Deductive Logic, and the most helpful systems of symbols and diagrams are introduced.

In teaching Inductive Logic, the most recent developments are investigated, and the whole subject is treated not merely as a system of mental gymnastics, but as a method of practical training for philosophical, scientific and judicial investigations.

In Psychology, the final appeal is made to consciousness, while recognition is given to the results of psychological experiment.

In Ethics, the methods and conclusions of the evolutionary school are passed in review. Especial attention is given to the analysis of conscience, and to the principles in accordance with which the character of acts must be determined.

The work is given in the following courses:

1. *Foundations of Christianity*.—Freshman Year, first semester, Thursday, 11 A. M.

3. (a) *Psychology*, until Holiday recess; (b) *History of Philosophy* begun. Senior year, first semester, four hours, Monday excepted, 10 A. M.

4. (a) *History of Philosophy*, until the Spring recess; (b) *Ethics*, from the Spring recess to end of the semester. Senior year, second semester, five hours, 10 A. M.

Courses 1, 3 and 4 are required of all candidates for the various degrees conferred by the University.

5. *Logic*.—Deductive and Inductive. Open to Juniors and Seniors and others at the discretion of the Instructor. First semester, Monday, Wednesday and Friday, 7:40 A. M.

6. *Logic*, Applied. Special attention is given to Debate. Open to Juniors and Seniors and others at the discretion of the Instructor. Second semester, Monday, Wednesday and Friday, 7:40 A. M. Courses 5 and 6 are given by Associate Spencer.

MATHEMATICS AND ASTRONOMY.

PROFESSOR GILPATRICK.

MISS PECKHAM.

Courses 1 and 2 are required of all candidates for degrees. The remaining courses are not obligatory except as they are prerequisite to advanced courses in the various scientific departments or are included in some particular elective group. Courses not required are open as electives to students who have had sufficient preparation, in the judgment of the Instructor.

Solid geometry is prerequisite to mathematics courses beyond the Freshman Year. Students who do not present it on entrance may take it in the Doane Academy class and receive three semester credits in college. The same credit will be given to students who have had Solid Geometry not less than five hours per week through one semester in their preparatory schools and do not need it as a part of their entrance requirements.

1. *Algebra*.—Freshman year, first semester, four sections, Monday, Wednesday and Thursday, 7:40, 8:40 and 10 A. M. Professor Gilpatrick and Miss Peckham.

2. *Trigonometry*, Plane and Spherical. Freshman year, second semester, four sections, hours same as in course 1. Professor Gilpatrick and Miss Peckham.

3. *Analytic Geometry*.—Sophomore year, first semester, four hours per week, Friday excepted, 7:40 and 11 A. M. Professor Gilpatrick and Miss Peckham.

4. *Differential Calculus*.—Sophomore year, second semester, four hours, Friday excepted, 7:40 and 11 A. M. Professor Gilpatrick and Miss Peckham.

5. *Integral Calculus*.—Junior year, first semester, four hours per week, Friday excepted, 10 A. M. Professor Gilpatrick.

6. *Theory of Equations*.—Open to Juniors and Seniors. Second semester, Monday, Wednesday and Thursday, 10 A. M. Professor Gilpatrick.

7. *Advanced Calculus, Differential and Integral*.—Senior year, first semester, four hours per week, Friday excepted, 11 A. M. Professor Gilpatrick.

8. *Differential Equations*.—Open to Juniors and Seniors. Second semester, four hours, Friday excepted, 11 A. M. Miss Peckham.

10. *Method of Least Squares*.—Open to Seniors. Second semester, Tuesday, Wednesday and Thursday, 8:40 A. M.

The three courses immediately following are given by the department of Civil Engineering.

12. *Descriptive Geometry*.—Second semester, two hours. See Civil Engineering, course 4.

14 and 15. *Mechanics*.—Four hours each semester. See Civil Engineering, courses 10 and 11.

Astronomy.—Professor Gilpatrick.

2. *Descriptive Astronomy*. Open to Juniors and Seniors. Second semester, Monday, Tuesday and Wednesday, 8:40 A. M.

GREEK.

PROFESSOR COLWELL.

The following courses are offered:

1. (a) *Lysias*.—Selected orations, with history of Athens under the Thirty Tyrants and the Restoration of the Democracy.
 (b) *Thucydides*.—Selections, with history of the Peloponnesian War. Reading at sight from Lysias, Lucian, and the New Testament. Freshman year, first semester, four hours, Wednesday excepted, 10 A. M.

2. (a) *Thucydides*.—Continuation of course 1. (b) *Homer*. Selections from the *Iliad*, with sight reading from the *Odyssey*. Freshman year, second semester, four hours, Wednesday excepted, 10 A. M.

3. (a) *Demosthenes*.—Selected orations, usually the *Philipics* and *Olynthiacs*. (b) *Herodotus*.—Selections. Sight reading from *Demosthenes*, *Herodotus*, *Diodorus Siculus*, *Xenophon*, and the *New Testament*. Sophomore year, first semester, four hours, Wednesday excepted, 7:40 A. M.

4. (a) *Herodotus*.—Continuation of course 3. (b) *Plato*.—The *Apology* and *Crito*, with selections from the *Phaedo*. Sight reading from the *Memorabilia* of *Xenophon*. Sophomore year, second semester, four hours, Wednesday excepted, 7:40 A. M.

Courses 1-4 are required of all candidates for the degree of Bachelor of Arts and of candidates for the degree of Bachelor of Philosophy who make Greek their major language.

5. *Tragedy*.—*Aeschylus*, *Sophocles*, or *Euripides*. Elective for those who have completed courses 1-4. First semester, four hours, Wednesday excepted, 8:40 A. M.

6. *Aristophanes*.—Elective for those who have completed courses 1-4. Second semester, Tuesday, Thursday, Friday, 1:30 P. M.

8. *New Testament*.—Elective for those who have had courses 1-4. Second semester, Tuesday, Thursday, Friday, 8:40 A. M.

ROMANCE LANGUAGES.

PROFESSOR MCKIBBEN.

MR. ODEBRECHT.

This department offers opportunity of studying French, Italian and Spanish. Its aims are: (1) The acquisition of a reading knowledge of the foreign language; (2) linguistic training; (3) introduction to the foreign literature and life.

The method employed includes the following features: Simultaneous beginning of grammar and translation; gradual advance to the new with frequent practice upon the old; the mastery of principles by noting and classifying examples found in the texts studied.

French.—

Of the courses enumerated below, applicants for the degree of Bachelor of Arts are required to take at least course 1. For the degree of Bachelor of Science, courses 1 and 2 are required. For the degree of Bachelor of Philosophy, students who choose French as their major language upon entrance must take courses 1 and 2 and at least two four-hour courses in addition. Aside from these requirements the various courses are open as electives to students in all departments, with courses 1 and 2 in order prerequisite to any of the advanced courses. At the option of the student a year of Spanish will be accepted as the equivalent of a year of French.

1. Forms, translation, written exercises. Aldrich and Foster's *Elementary French*, with 80 pages of simple translation. A course for beginners. Freshman year, first semester, four hours, Wednesday excepted, two sections, 8:40 A. M., and 1:30 P. M.

2. Continuation of the work of Course 1. Grammar, with written and oral work in composition. Translation of 150 pages of prose and verse. Freshman year, second semester, four hours, Wednesday excepted, two sections, 8:40 A. M., and 1:30 P. M.

3. Grammar reviewed, with composition exercises and dictation. Ereckmann-Chatrion's *Concisé de 1813*, and *Waterloo*. Sophomore year, first semester, four hours, Wednesday excepted, 10 A. M.

4. Review of Grammar, forms and syntax, with composition. Nineteenth century prose and poetry. Sophomore year, second semester, four hours, Wednesday excepted, 10 A. M.

5. Composition and Dictation. First semester, Monday, Tuesday and Wednesday, 7:40 A. M.

6. Modern Comedies, rapid reading and summaries in French. Second semester, Wednesday, Thursday and Friday, 7:40 A. M.

7. Scientific French. Kite's *Scientific French Reader*. First semester, Wednesday, 1:30 P. M.

8. Scientific French, continuation of Course 7. Second semester, Wednesday, 1:30 P. M.

11. French Literary History. Faguet, Lemaitre, or Pellissier. Open to students who have had two years of French. First semester, three hours, time to be arranged.

12. French Philology, or Old French. Open to students who have had Freshman Latin. Three hours, time and text to be arranged. Second semester.

Italian.—

2. Grandgent's Grammar. Prose and verse of the Risorgimento. Outline of the history of Italian Literature. The forms of the language are learned and practiced in exercises, written and oral, and in translation. Elective in all courses. Second semester, Tuesday, Wednesday, Thursday and Friday, 8:40 A. M.

3. Modern Prose and Poetry. First semester, Tuesday, Wednesday, Thursday and Friday, 8:40 A. M.

Spanish.—

1. Garner's Grammar and Ramsey's Reader. The forms of the language are learned and practiced in written and oral exercises and in translation. Recent prose and verse. Sight reading of business correspondence. Open as an elective to students in all courses. First semester, four hours, Wednesday excepted, 7:40 A. M.

2. Cervantes, or modern prose. Second semester, four hours, Wednesday excepted, 7:40 A. M.

The courses in Spanish and Italian, while intended as electives for upper classmen, may be taken by any who, in the judgment of the Instructor, can carry them with profit.

RHETORIC AND ENGLISH LITERATURE.

PROFESSOR WILLIAMS.

ASSISTANT PROFESSOR ROBERTS.

MISS MONTGOMERY.

MISS JONES.

MR. LOWERY.

Throughout the course, which extends over four years, the study of Rhetoric is pursued in combination with the study of literature, American and English. Instruction is given by text

book and by notes from the teacher. Themes are required from the beginning to the end of the course. Students are made acquainted with the principles of literary criticism, and are encouraged to develop intelligent appreciation of the best that has been thought and written in English from Caedmon to the present time. A number of electives are offered during the Junior and Senior years. All members of the Senior Class are required to appear in public exhibitions during the winter, young men with orations and young women with essays.

The following courses are given:

1. This is a course in theme-writing and in a study of the structure of English prose. Required of all Freshmen. Text-book, *The Atlantic Monthly* for November, December and January. First semester, Tuesday, Wednesday and Friday, 8:40 A. M., 2:30 P. M. Mr. Roberts.

2. A study of formal rhetoric and of specimen selections from literature. Text: Genung's *Working Principles of Rhetoric*. Required of all Freshmen. Second semester, Tuesday, Wednesday, Thursday and Friday, 8:40 A. M., 2:30 P. M. Mr. Roberts.

3. *English Literature*.—Lewis, *Beginnings of English Literature*, Chaucer, *Prologue and Knight's Tale*, Spenser, *The Faery Queen*, Book I, Thayer's *Best Elizabethan Plays*. Notes on the Development of the Drama. Junior year, first semester, Monday, Wednesday and Friday, 11 A. M. Professor Williams.

4. *English Literature*.—The text-book used is Simond's which is supplemented by selected readings and by notes on special topics. Required for all groups. Junior year, second semester, Monday, Wednesday and Friday, 11 A. M. Professor Williams.

5. Crawshaw's *The Interpretation of Literature*. Essays and Orations. Senior year, first semester, Monday, 10 A. M. Professor Williams.

6. *Elizabethan Literature*.—Based on Professor Saintsbury's book. Second semester, Tuesday and Thursday, 8:40 A. M. Miss Montgomery.

7. *Anglo-Saxon*.—Sweet's *Anglo-Saxon Primer* and Bright's *Anglo-Saxon Reader*. First semester, four hours, Wednesday, excepted, 7:40 A. M. Miss Jones.

8. *The English Novel*. Stoddard's *Evolution of the English Novel*. Open only to Juniors and Seniors. Second semester, Monday, Wednesday and Friday, 8:40 A. M. Five hours credit. Miss Montgomery.

9. *A Study of Prose Fiction*.—The text-book used is Perry's which is supplemented by select readings. First semester, Tuesday and Thursday, 11 A. M. Professor Williams.

10. *Later American Writers*.—The text used is Vedder's, which is supplemented by selected readings and by notes. Second semester, Tuesday and Thursday, 11 A. M. Professor Williams.

11. *Shakespeare*.—Prerequisite, Course 3. First semester, Wednesday and Friday, 11 A. M. Miss Montgomery.

12. *Anglo-Saxon*.—Study of Beowulf. This is an advanced course and is given only by special arrangement with the instructor. Second semester, two hours. Miss Jones.

13. *Poetics*.—Gummere's *Poetics*; Baldwin and Paul's *English Poems*. This course is designed to give a technical knowledge of poetry and to develop an appreciation of the English Classics. First semester, Monday, Tuesday and Thursday, 11 A. M. Miss Montgomery.

14. *Literary Interpretation*.—The text-book used is Winchester's, which is accompanied by a study of masterpieces in prose and verse. Second semester, Wednesday and Friday, 10 A. M. Professor Williams.

15. *The Short Story*.—Study of the technique of the short story; critical analysis of the best modern writers and original work. First semester, Tuesday and Thursday, 7:40 A. M. Miss Montgomery.

17. Course in advanced theme-writing, dealing especially with Exposition. Text-book, Wendell's *English Composition*. Lectures on the history of style. Prerequisite, Course 1. First semester, Tuesday and Thursday, 1:30 P. M. Mr. Roberts.

18. History of English Language and Syntax. Lectures. Second semester, Tuesday and Thursday, 1:30 P. M. Mr. Roberts.

Courses 1-5 are required of all candidates for degrees. The remaining courses are elective, and open to such students as may be prepared to do the work profitably, in the judgment of the instructor.

LATIN LANGUAGE AND LITERATURE.

PROFESSOR JOHNSON.

MR. ROBERTS.

Of the following courses, numbers 1, 2, 3 and 4 are required of all applicants for the degree of Bachelor of Arts, but courses 5 and 6 may be substituted for 3 and 4, with the approval of the instructor. Applicants for the degree of Bachelor of Philosophy who elect the Latin group (group XIII) are required to take four semesters of work in the department, four hours per week, beginning with courses 1 and 2. For the remaining two semesters, the student may select between courses 3 and 4, and courses 5 and 6. All courses in the department are open as electives to any student who, in the judgment of the instructor, is sufficiently prepared to pursue the work with profit, but courses 1 and 2 must in all cases precede any of the more advanced courses.

1. (a) *Cicero*.—*De Senectute* and *De Amicitia*, one to be assigned for translation and the other employed for training in oral reading of the Latin text. (b) *Living*.—Books XXI-XXII, or I-II. Review of the fundamental principles of Latin Syntax. Four hours per week, Thursday excepted. First semester, two sections, 7:40 and 11 A. M.

2. *Odes and Epodes of Horace*.—Sight reading from the Satires. Outlines of the History of Roman Poetry. Four hours per week, Thursday excepted. Second semester, two sections, 7:40 and 11 A. M.

3. *The Roman Stage*.—Two plays of Plautus and one of Terence. Notes on the history of the Ancient Drama. Four hours per week, Thursday excepted. First semester, 8:40 A. M.

4. *Rhetoric and Literary Criticism of the Romans*.—This course is based upon Books X and XII of Quintilian, with collateral work in the rhetorical writings of Cicero, the Epistles of Horace and the Dialogues of Tacitus. The relation of Greek and

Roman ideas to present day problems of Rhetoric and Criticism is emphasized. Four hours per week, Thursday excepted, second semester, 8:40 A. M.

5 and 6. *Historical Course*.—A year's work on the downfall of the Roman Republic and the establishment of the Empire. Readings from Cicero's Letters, Tacitus and the younger Pliny. Four hours per week, Thursday excepted. First and second semesters, 10 A. M.

7 and 8. *Virgil*.—A study of the poems of Virgil and their place in the History of Literature from points of view which can not be emphasized in the preparatory school. The two semesters are not open to election separately. At the option of the instructor, work in the Roman Elegy and Epigram may be substituted for the Poetry of Virgil in these two courses. Monday and Wednesday. First and second semesters, 1:30 P. M.

9 and 10. *Latin Writing*.—This work aims to secure an improvement in the student's power to analyze and appreciate the style of classical Latin authors. It is accompanied by the study of certain problems of Latin Grammar from the historical point of view. The two semesters are not open to election separately. First and second semesters, Tuesday and Friday, 1:30 P. M.

11 and 12. Students who have had not less than two years work in the department and have a fair reading acquaintance with at least one of the modern languages may have individual topics in Latin Literature or Roman life assigned to them for private study, under the constant supervision of the department. These courses may be utilized for Honor study, or applied to the requirements for graduation, with a credit not to exceed three hours for each semester.

PHYSICS.

*PROFESSOR C. W. CHAMBERLAIN.

MR. COONS.

MR. JOHNSON.

The courses in Physics are arranged for four classes of students. 1. Applicants for the degree of A. B., who desire to elect one or more courses in Physics will find courses 1-4 open to

*Resigned.

their election. 2. Applicants for the degree of B. S., who are taking their major work in other departments. Courses 1 and 2 are required. Courses 3-8, 11 and 12 are elective. 3. Applicants for the degree of B. S., who desire to take their major work in Physics. Courses 1-14 are required. Competitors for the Fletcher Marsh Prize in Physics are required to take courses 1-15. 4. Students who desire to take a technical course in electrical or mechanical engineering. The best education for such engineers is one in which the liberal culture of a college course precedes the training of the technical school, but many cannot afford to spend the time to complete both college and technical courses. The Physics Group includes all the non-technical studies of the best technical schools, and its successful completion will fit a student to enter the third year of the technical school, and thus earn both the college and the engineering degree in six years.

The following courses are offered:

A. *Elementary Physics*.—Lectures and recitations based upon Millikan and Gale. Prerequisite to all courses in Physics. Required of students who do not offer one year of entrance Physics. Freshmen, first semester, Monday, Wednesday and Friday, 11 A. M.

B. *Elementary Physics*.—Laboratory course based upon Millikan and Gale. Prerequisite to all courses in Physics. Fee, \$2.00. Required of students who do not offer one year of entrance Physics. Freshmen, first semester, Tuesday and Thursday, 10-12 A. M., or 7:40-9:40.

C. *Elementary Physics*.—Lectures and recitations based upon Millikan and Gale. Prerequisite to all courses in Physics. Required of students who do not offer one year of entrance Physics. Freshmen, second semester, Monday, Wednesday and Friday, 11 A. M.

D. *Elementary Physics*.—Laboratory course based upon Millikan and Gale. Prerequisite to all courses in Physics. Fee, \$2.00. Required of students who do not offer one year of entrance Physics. Freshmen, second semester, Tuesday and Thursday, 10-12 A. M.

1. *General Physics*.—Lecture course. Lectures and demonstrations three hours a week and recitation one hour a week. Prerequisite, Courses A-D or entrance Physics. Required of

candidates for the B. S. degree; elective for A. B. and B. Ph., Sophomores, Juniors and Seniors. First semester, Tuesday, Wednesday, Thursday and Friday, 8:40 A. M.

2. *Mechanics, Molecular Physics and Heat.*—Laboratory course based upon Millikan. Prerequisite, course 1. Fee, \$2.00. Required of candidates for B. S. degree in the Sophomore year; elective for A. B. and B. Ph., Sophomores, Juniors and Seniors. Second semester, Tuesday, Wednesday, Thursday and Friday, 7:40-9:40 A. M., or 1:30-3:30 P. M.

3. *Sound, Light, Electricity and Magnetism.*—A laboratory course. One recitation and three laboratory periods a week. Fee, \$2.00. First semester, Recitation, Thursday, 7:40 A. M. Laboratory work, Tuesday, Wednesday and Friday, 7:40-9:40 A. M.

4. *Electrical Measurements.*—One lecture and recitation and three laboratory exercises a week based upon Carhart and Patterson. Prerequisite, courses 1-3. Fee, \$2.00. Junior, second semester. Lecture and recitation, Thursday, 1:30 P. M. Laboratory work, Tuesday, Wednesday and Friday, 1:30-3:30 P. M.

5. *Direct Current Dynamos.*—Lecture and Laboratory course based upon Franklin and Estey. Prerequisite, courses 1-4. Required of students taking the Physics Group. The laboratory work includes measurements of permeability, characteristic curves, efficiency tests, management of direct current electric plant, etc. Fee, \$2.00. Senior, first semester. Lecture and recitation Tuesday and Thursday, 1:30 P. M. Laboratory work, Wednesday and Friday, 1:30-3:30 P. M.

*6. *Advanced Light.*—Lectures and recitations based upon Drude's Optics. Laboratory work based upon Mann's Optics, including measurements with Fresnel mirrors and bi-prism, Rowland grating, prism spectrometer, Michelson interferometer, the compound interferometer, etc. Prerequisite, courses 1-4. Fee, \$2.00. Senior, second semester. Lecture and recitation, Tuesday and Thursday, 8:40 A. M. Laboratory work, Wednesday and Friday, 7:40-9:40 A. M.

7. *Alternating Current Dynamos.*—Lecture and laboratory course based upon Franklin and Williamson. The laboratory work includes measurements of impedance, self-induction,

power, characteristic curves, transformer tests, study of condensers, calibration of instruments, etc. Alternates with course 5. Given in 1910. Prerequisite, 1-4. Fee, \$2.00. Senior, first semester. Lecture and recitation, Tuesday and Thursday, 1:30 p. m. Laboratory work, Wednesday and Friday, 1:30-3:30 p. m.

*8. *Advanced Heat*.—A lecture and laboratory course based upon Maxwell's Theory of Heat. Prerequisite, 1-4. Fee, \$2.00. Alternates with course 6. Given in 1910. Senior, second semester. Lecture and recitation, Tuesday and Thursday, 8:40 a. m. Laboratory work, Wednesday and Friday, 7:40-9:40 a. m.

9 and 10. *Physical Manipulation*.—Laboratory course open only to students taking the Physics Group. Instruction is given in the design and construction of apparatus, wood and metal working, glass blowing, cutting, grinding, polishing and silvering, preparation of quartz fibre, etc. Junior and Senior, first and second semesters, Saturday, 8 a. m. to 12 m.

11 and 12. *History of Physics*.—A course designed to acquaint the student with the historical development of Physics. First and second semesters, Tuesday, 11 a. m.

13 and 14. *Physical Reviews*.—A study and discussion of the current literature of Physics, and the discussion of advanced work. First and second semesters, Thursday, 11 a. m.

15 and 16. *Thesis in Physics*.—Elective for students in the Physics Group and required of competitors for the Fletcher O. Marsh Prize in Physics. Students who have shown ability to profit by such a course will be assigned some subject for original investigation or the repetition of some important classical experiment, under the immediate supervision of the head of the department. Senior, first and second semester. Three hours a day. Monday to Friday, inclusive.

GERMAN LANGUAGE AND LITERATURE.

PROFESSOR WILLIS CHAMBERLIN.

MR. ODEBRECHT.

The aim of the courses is to give a ready knowledge of German and an insight into the life and thought of the German people. German is treated as a living language, and its use as a

medium of conversation is cultivated in the class. Interest is stimulated by reference to the history and present conditions of Germany. Supplementary reading is encouraged and themes are required, embracing results of critical study.

Of the following courses, candidates for the A. B. degree are required to take course 1, in the Sophomore year. Candidates for the B. S. degree must take at least courses 1-2. Candidates for the B. Ph. degree who elect German as their major language must take at least courses 1-4.

1. *Elementary Course.*—Essentials of Grammar; pronunciation and translation of easy selections, with study of cognates. Four hours, Wednesday excepted, two sections, 10 A. M. and 1:30 P. M.

2. *Continuation of Course 1.*—Drill on the ordinary inflectional forms and syntactical principles. Mosher's *Willkommen in Deutschland*. Four hours, as for Course 1.

3. *Minor Fiction.*—From the works of Bammbach, Riehl, or Keller; oral and written exercises in the foreign idiom; systematic study of grammatical principles, word composition and derivation. First semester, four hours, Wednesday excepted, 10 A. M. Prerequisite, courses 1 and 2.

4. *Dramatic and Epic Poetry.*—Critical study of Schiller's *Wilhelm Tell*, *Maria Stuart*, or *Die Jungfrau von Orleans*, and Goethe's *Hermann und Dorothea*; principles of the drama, reviews and themes in German. Composition. Second semester, same hours as Course 3. Prerequisite, courses 1-3, or courses 1-2 and 5.

5. *The Modern Novel;* Hauff's *Lichtenstein*; Freytag's *Soll und Haben*, and similar works; rapid reading, with oral and written reproduction of the subject matter. An intermediate course for those presenting three year units of preparatory German, or Courses 1-3. First semester, three hours per week, Monday, Wednesday and Friday, 7:40 A. M.

6. *Continuation of Course 5.*—Readings from fiction, history, and science, selected for variety of style and contents. Second semester, same hours as Course 5. May follow Course 4 or 5.

7. *German Culture and Literature of the Classical Period.*—A survey of Lessing's chief critical and dramatic works. Schiller's *Wallenstein*.

First semester, three hours per week, Monday, Wednesday and Friday, 8:40 A. M. Prerequisite, 1-4, or 5-6.

8. *Continuation of Course 7.*—Selections from Goethe's *Aus Meinem Leben*; Goethe's *Faust*, Part 1, with selections and reviews of Part 2. Second semester, same hours as Course 7.

9. *Survey of German Literature.*—Thomas's *German Anthology* and Müller's *German Classics*. Outside readings on special topics. First semester, two hours per week, Tuesday and Thursday, 8:40 A. M. Follows course 6, 7 or 8.

10. *Continuation of Course 9.*—German Literature since Luther. May be taken separately with the same prerequisites as Course 9; same hours as Course 9.

HISTORY AND POLITICAL SCIENCE.

PROFESSOR GOODELL.

MISS SORENSEN.

Throughout the work in History, it will be the purpose to supplement the lectures and recitations with reports from the class on topics assigned for individual investigation. Research work is considered a matter of prime importance to the student in this department and will be rigidly required of all who desire credits therein.

The courses offered are as follows:

1. *Medieval Europe.*—From the fall of Rome to the beginning of religious wars. This course will give special attention to the rise of the Papacy, the development of national institutions, the social and industrial development of the leading nations, and the causes leading to the Reformation. This course, designed for Sophomores, is required of all classical students, and with course 2 is advised as preparatory to the course in International Law. First semester, four hours, Friday excepted, 2:30 P. M.

2. *Modern Europe.*—Continues course 1 to the close of the Nineteenth Century with special attention to the Thirty Years' War, the development of French Absolutism, the French Revolution, the Napoleonic Wars, Evolution of the present French

Republic, Unifications of Germany and Italy and the development of the Eastern Question. Prerequisite, History 1. Second semester, four hours, Friday excepted, 2:30 P. M.

3. *Formation of American Union.*—A general course which, with 4, runs through the year. Course 3 begins with 1783 and closes with Jackson's second administration. Special attention will be given to topics in Constitutional and Diplomatic History. Designed especially for Juniors and Seniors, and open to no one below these classes except by express permission of the instructor. Courses 1 and 2, strongly advised as a preparation for this and following course. First semester, Monday, Wednesday and Friday, 1:30 P. M.

4. *Civil War and Reconstruction.*—Continues History 3, with emphasis on the causes of the Civil War and the principles involved in Reconstruction. Second semester, Monday, Wednesday and Friday, 1:30 P. M.

5. *Constitutional Law.*—The Federal Constitution. Open to all members of college classes. In connection with a study of the principles of Constitutional Law, as presented in some standard text-book, a careful study will also be made of the leading cases which have given the Constitution its present development. The aim will be to teach the student to interpret the Constitution for himself, to the end that he may be the better fitted to perform the duties of citizenship. It is not, therefore, designed merely for prospective lawyers, but for the intelligent citizen as well. First semester, Tuesday and Thursday, 1:30 P. M.

6. *Constitutional Law.*—State Constitutions. Continues course 5, with particular reference to the development of the powers of local and State governments under the State Constitutions. Prerequisite, course 5. These courses cannot be divided. Second semester, Tuesday and Thursday, 1:30 P. M.

8. *American Institutions.*—A study of the practical working of American political institutions. It will be somewhat in the nature of an advanced course in civics, with special attention to the practical working of both State and National governments. The text will be supplemented by lectures and assigned readings. This course is open to all students of the University. Second semester, Monday, Wednesday and Friday, 7:40 A. M.

9. *Economics*.—An investigation of the leading principles of Economics. Lectures, recitations and reports on assigned topics. Open to Sophomores, Juniors and Seniors. First semester, four hours, Friday excepted, 7:40 A. M.

10. *International Law*.—A study of the general principles of International Law occupying three hours through the second semester. The work of the text will be supplemented by a study of some of the leading cases in International Law. No prerequisite, though History 1 and 2 are strongly advised as introductory. Second semester, Monday, Wednesday and Friday, 7:40 A. M. Not given in 1910.

12. *History of England*.—A course in general English history is here offered. While special emphasis will be given to the study of institutions, so far as possible all phases of English life will receive attention. It is expected that this course will prove particularly helpful to students of English literature and prospective law students. Second semester, four hours, Friday excepted. Hour of recitation to be arranged. Miss Sorensen.

GEOLOGY.

PROFESSOR CARNEY.

MISS BUSLER.

This department, which occupies the entire third floor of Barney Memorial Hall, is unusually well equipped with maps, relief models, minerals, rock specimens, and lantern slides. The laboratories are commodious, and fairly complete in appointments. Its library and well lighted reading room, twenty-seven by thirty feet, places the G. K. Gilbert collection of books where it can be of most use to students; all the American periodicals bearing on geology and geography, as well as representative British, Scottish, German, and French magazines come regularly to the department library.

In its instruction the department places much emphasis on field work. We have within easy reach the formations from the Silurian to the Pennsylvania inclusive. The topography where the Waverly and Mississippian series outcrop, and this is in the immediate region of Granville, affords excellent illustrations for studies in physiography. The conditions are also specially favor-

able for studies in glacial geology, since we have close at hand the drift of different ice invasions, and are within a few miles of unglaciated territory.

Students desiring only a general course in geology are advised to take 3-4; the course in Geographic Influences is also of cultural value.

The fee in each course taken with field or laboratory work, except 8, is one dollar.

Bracketed courses are not offered in 1909-1910.

A. *Elementary Geology*.—First semester, Monday and Wednesday, 10 A. M. Text book course primarily for those who wish only a preparation for Economic Geology. Two credits.

1. *Physiography*.—First semester, Monday and Wednesday, 11 A. M. Text, Salisbury's *Physiography*; library work; three all day field trips, and eight laboratory periods. Four credits; or, without the field and laboratory work, two credits.

2. *Meteorology*.—Second semester, Tuesday and Wednesday, 8:40 A. M. Text, Davis' *Elementary Meteorology*. Prerequisite, Physics 1-2.

3-4. *General Geology*.—Both semesters, Tuesday and Thursday, 11 A. M. Lectures; three all day field trips, and eight laboratory periods. Four credits; or, without the field and laboratory work, two credits.

5-6. *Geographic Influences*.—Both semesters, Tuesday and Thursday, 10 A. M. If desired a second section will be given, at other hours. A brief review of the physiographic features of the continents, followed by a consideration of human relations as responses to these features. Lectures and assigned readings. Three credits; or, without the special library work, two credits.

(7. *Economic Geology*.—First semester, Monday and Thursday, 8:40 A. M. Text, Ries' *Economic Geology of the United States*. Prerequisites: Engineering 1, Chemistry 1-4, Physics 1-2, Geology A, or Geology 3-4. Two credits).

(8. *Crystallography and Mineralogy*.—Second semester, 7:40 A. M., Fridays excepted. Fee, \$3.00. Three credits).

9-10. *Investigation*.—Both semesters. For advanced students. Hours and credits arranged.

11-12. *Geological Literature*.—Both semesters. Prerequisite, *Geology 3-4*, and ability to read either German or French. A reading knowledge of Spanish and Italian is an advantage in this course. Meets once a week to report on assigned readings. Fee, \$1.00. Two credits.

CIVIL ENGINEERING.

PROFESSOR THASK.

In field work the classes are divided into parties with just a sufficient number to do the required work. By rotation each member of the class becomes familiar with the duties of each position and with every different instrument used. A full set of notes of the work done by the party is kept by each member. The method of instruction in this department is largely by means of text-books and recitations, supplemented by lectures and individual instruction in field and office work. The department is supplied with a large collection of blue prints of railroad standards, bridge standards, shop-drawings, etc. A liberal use is made of current engineering literature. In the courses in drawing the main object is to give such a training as will meet the needs of the engineer as fully as possible.

The following courses are offered:

1. *Mechanical Drawing*.—Use and care of drawing instruments, lettering, exercises in projection, and simple working drawings. Prerequisite, preparatory mathematics. First semester, two hours, Monday, 2:30-4:30; Wednesday, 1:30-3:30. Fee, \$1.00.

2. *Plane Surveying*.—An elementary study of surveying methods and instruments. Use of tape, chain, compass, level, transit. Adjustments. Lectures, recitations, problems, field work and platting. Prerequisite, course 1 and Mathematics 2. Second semester, four hours, Friday excepted, 7:40-9:40. Fee, \$2.00.

3. *Railroad Surveying and Earth-work*.—Problems attending the location and construction of railways. Transition curves, computation of earth-work, platting, profiles and construction of maps. This course will alternate with course 5. Prerequisite, course 2. First semester, four hours, Friday excepted, 1:30-3:30. Fee, \$2.00. Not offered in 1909.

4. *Descriptive Geometry*.—A study of the representation of lines, surfaces, solids, tangencies, intersections, and developments, with original problems. Recitations, lectures and drawing. Prerequisite, course 1. Second semester, four hours, Friday excepted, 2:30-4:30 p. m. A shorter course may be elected.

5. *Topographical Surveying and Mapping*.—The methods of conducting topographical surveys are taken up. Each party makes a complete topographical survey of a certain tract, employing plane table, stadia, transit and rectangular methods. The area is computed and a map is made showing all topographical features. Alternates with course 3. Prerequisite, course 2. First semester, four hours, Friday excepted, 1:30-3:30. Fee, \$2.00.

6. A continuation of course 1, with the same hours and credits. Additional hours may be assigned to those desiring a more extended course. Fee, \$1.00.

7. *Analysis of Structures*.—Determination of stresses in roof and bridge trusses by graphical and analytical methods. Prerequisite, course 1. Mathematics 5 and Physics 1. First semester, Tuesday and Thursday, 11 a. m., with laboratory periods to be assigned. Four hours credit. Fee, \$1.00.

8. *Roof and Bridge Design*.—A continuation of course 7. An introduction to the designing of roofs and bridges. Checking, and discussion of working drawings. The department is provided with a large collection of such drawings, presented by railroads, structural iron companies and city engineers. Prerequisite, courses 7 and 10. Fee, \$1.00. Hours and credits as in course 7.

9. *Sanitary Engineering*.—Systems of sewerage with methods of purifying sewage; house drainage, with visits of inspection and reports on existing systems. Specifications and estimates. Prerequisite, courses 1 and 2. Alternates with course 11. First semester, Monday, 7:40 a. m.

10. *Applied Mechanics*.—Statics, with illustrative examples, stresses in beams, moments of inertia; dynamics, strength of beams, girders and shafts. The principles of mechanics are studied with reference to their application to engineering. Mathematics 5 and Physics 1 are prerequisite. Second semester, four hours, Friday excepted, 1:30 p. m.

11. *Applied Mechanics*.—A continuation of course 10. First semester, hours as in course 10.

12. *Railroad Standards*.—Drawings are made of various railroad standards. Specifications and estimates are made for railroad structures. Prerequisite, course 1. One credit. Fee, \$1.00. Second semester, hours to be arranged.

13. *Highway Construction and Maintenance*.—A study is made of the methods and materials necessary to maintain streets and highways in city and country. Prerequisite, courses 1 and 2. This course alternates with course 9. First semester, Monday, 7:40 a. m. Not offered in 1909.

14. *Cement Testing*.—A study of the manufacture, properties and testing of hydraulic cements and mortars. Each student makes all the standard tests in the cement laboratory. Prerequisite, Chemistry 1-4. Second semester, Wednesday, 7:40 a. m., additional laboratory hours to be assigned. Fee, \$2.00.

15. *Topographical Drawing*.—Topographical signs, pen and colored topography, tinting, line and brush shading, enlarging and reducing plats, etc. Prerequisite, courses 1 and 6. First semester, Monday, 7:40-9:40. Fee, \$1.00.

16. *Railroad Engineering*.—The economic theory of location is studied for six weeks. This is followed by a preliminary survey of a railroad several miles in length, with preliminary map, profile and estimates; location survey, profile and cross sectioning. A location map is made, earth-work computed, estimate of haul and cost of the line. A map is also made of a railroad station grounds, showing industries, etc. Alternates with course 18. Prerequisite, course 3. Second semester, Monday and Wednesday, 1:30-3:30. Fee, \$2.00.

17. *Lettering*.—A study is made of mechanical and free-hand lettering of standard types, with practice in making titles. First semester, Wednesday, 1:30-3:30. Fee, \$1.00.

18. *Lettering*.—A continuation of course 17. Second semester, Wednesday, 1:30-3:30. Fee, \$1.00.

19-20. *Technical Reading*.—Study and discussion of current engineering periodicals. Open to advanced students in the Engineering group. Prerequisite, courses 1 and 2. Both semesters, Wednesday, 11 a. m. Fee, \$1.00 each semester.

CHEMISTRY.

PROFESSOR BRUMBACK.

A. *Elements of Chemistry*.—Two recitations and two laboratory periods of two hours each per week. First semester. First division, Wednesday and Friday, 8:40 A. M.; Tuesday and Thursday, 7:40-9:40 A. M. Second division, Wednesday and Friday, 10 A. M.; Tuesday and Thursday, 10-12 A. M. Must be followed by course B. Fee, \$3.00.

B. *Elements of Chemistry*.—Continuation of course A. Second semester. Fee, \$3.00. Same hours as course A.

1. *General Chemistry*.—Two lectures per week. First semester. Advanced course involving theoretical chemistry. Must be accompanied by Chemistry 3. Prerequisite, preparatory Chemistry and Physics. Monday and Wednesday, 11 A. M.

2. *General Chemistry*.—Continuation of Chemistry 1. Second semester. Must be accompanied by Chemistry 4. Monday and Wednesday, 11 A. M.

3. *Qualitative Analysis*.—Two laboratory periods of two hours each per week. First semester. Study of the properties and methods of separating the metallic elements. Must accompany or follow Chemistry 1. Fee, \$4.00. First division, Tuesday and Friday, 10-12 A. M.; second division, Thursday and Saturday, 10-12 A. M.

4. *Qualitative Analysis*.—Two laboratory periods per week. Second semester. Chemistry 3 continued. Study of the properties and methods of separating the non-metals. The processes of Qualitative Analysis applied to the determination of the composition of natural and commercial products. Must accompany or follow Chemistry 2. Fee, \$4.00. First division, Tuesday and Friday, 10-12 A. M.; second division, Thursday and Saturday, 10-12 A. M.

5. *Quantitative Analysis*.—Chemical Arithmetic, one period; laboratory, three periods, per week. First semester. General methods of gravimetric Analysis. Prerequisite, Chemistry 1-4. Fee, \$4.00. Monday, 7:40 A. M.; Monday, Wednesday and Friday, 2:30-4:30.

6. *Quantitative Analysis*.—Chemical Arithmetic, one period; laboratory, three periods. Second semester. Gravimetric and Volumetric Analysis. Prerequisite, Chemistry 5. Monday, 7:40 a. m.; Monday, Wednesday and Friday, 2:30-4:30. Fee, \$4.00.

7. *Water Analysis*.—Four laboratory periods per week. First semester. Prerequisite, Chemistry 5 and 6. Fee, \$4.00.

8. *Inorganic Preparations*.—Four laboratory periods per week. Second semester. Prerequisite, Chemistry 1-4. Fee, \$4.00.

9. *Organic Chemistry*.—Two recitations and two laboratory periods per week. First semester. Prerequisite, Chemistry 1-4. Fee, \$4.00. Monday and Thursday, 1:30; Tuesday and Friday, 1:30-3:30.

10. *Organic Chemistry*.—Course 9 continued. Second semester. Fee, \$4.00. Same hours as course 9.

11. *Advanced Analytical*.—Three to five periods of laboratory work. First semester. Gravimetric, volumetric and electrolytic methods applied to natural and artificial products. Prerequisite, Chemistry 5 and 6. Fee, \$4.00. Periods to be arranged.

12. *Advanced Analytical*.—Course 11 continued. Second semester. Fee, \$4.00.

ZOOLOGY.

PROFESSOR COGHILL.

MISS PETZER.

1 and 2. *General Biology*.—This course is given jointly by the departments of zoology and botany and is also known as Botany 1 and 2. It is designed to illustrate the elementary general principles of biology in both the animal and the plant kingdoms. Three credits. Fee, \$2.50 for each semester. Lectures at 1:30 on Wednesday, laboratory 1:30 to 3:30 Tuesday and Thursday. Students who have had good courses in elementary human physiology with laboratory exercises may sometimes be admitted to the second semester's work without the first; but this is not advised and will be permitted only by special advance arrangement with the instructors.

3. *Invertebrate Zoology*.—Prerequisite, courses 1 and 2, or their equivalent. First semester. Four credits. Fee, \$3.00. Lectures Tuesday and Thursday at 11, laboratory, Wednesday and Friday, 2:30 to 4:30.

4. *Vertebrate Zoology*.—Continuation of course 3. Second semester. This course includes vertebrate comparative anatomy with dissections, adapted especially for prospective medical students. Course 3 is prerequisite, though this requirement may sometimes be waived by special arrangement in case the student has had course 1 or a course in advanced physiology with laboratory work. Fee, \$3.00. Lectures Tuesday and Thursday at 11, laboratory Wednesday and Friday, 2:30 to 4:30.

5. *General Histology*.—Prerequisite course 4. First semester. Four credits. Fee, \$3.00. Lectures Tuesday and Thursday at 8:40, laboratory Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

6. *Special Histology*.—Prerequisite, course 5. Second semester. Four credits. Fee, \$3.00. Lectures Tuesday and Thursday at 7:40, laboratory Wednesday and Friday, 7:40 to 9:40. Devoted chiefly to splanchnology and the organs of sense. Offered for 1910-1911.

7. *Neurology*.—Prerequisite, courses 1 and 2. First semester, three credits. Fee, \$3.00. Lectures Tuesday and Thursday at 7:40, laboratory Wednesday and Friday, 7:40 to 9:40. The vertebrate nervous system is studied from the standpoints of its evolution and of the correlation of structure and function. Offered for 1909-1910.

8. *Embryology*.—Prerequisite, course 5. Second semester. Four credits. Fee, \$3.00. Lectures Tuesday and Thursday at 8:40, laboratory Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

10. *Comparative Psychology*.—Prerequisite, courses 1 and 2. Course 7 is strongly advised, though not rigidly required, for entrance to this course. Admission to the class will be limited at the option of the instructor, preference being given to those who have had advanced work in zoology and general psychology (Ph. 3). Second semester. Three credits. Wednesday and Friday at 2:30.

12. *Ornithology*.—A course in the natural history and classification of our native birds given by Assistant Professor Stickney. Second semester. Lectures Friday, 7:40 A. M., laboratory Wednesday 7:40-9:40 A. M. Given in alternate years. Fee, \$2.00, payable to the instructor at the time of enrollment. Offered for 1909-1910.

13 and 14. *Advanced Zoology*.—A course on specially assigned problems designed as an introduction to research. Primarily for graduate students and open for undergraduate election only in special cases. Hours and credits arranged individually.

15 and 16. *Personal Hygiene*.—One lecture a week throughout the year, Wednesday at 10. Separate sections are held for men and for women. All students who are registered in college classes are invited to attend these lectures informally as auditors. Those who register for the course for credit may take either semester separately, though it is advised that the second semester be preceded by the first.

BOTANY.

ASSISTANT PROFESSOR STICKNEY.

MISS DAVIES.

1 and 2. *General Biology*.—Given jointly by the departments of Botany and Zoology, and identical with Zoology 1 and 2. A study of the properties and activities of living substance, the general organization of living things, the evolution of structure and function and adaptation to environment. Three hours through the year. May be taken separately by semesters. Open to general election. Required for admission to all advanced courses in Botany, except where so specified. Fee, \$2.50 for each semester. Lectures Wednesday at 1:30. Laboratory and seminar Tuesday and Thursday, 1:30-4:30.

3 and 4. *General Botany*.—Includes a very general survey of the plant kingdom, with a study of type forms from the lowest to the highest orders. Structure, development, reproduction and classification are considered from the standpoint of biology and evolution. Four hours through the year. Two hours of lecture and recitation (based on Campbell's University Text-book of

Botany) and two laboratory or field periods. Prerequisite, Botany 1 or 2 (both advised) or the equivalent. Fee, \$3.00 for each semester. Lectures Tuesday and Thursday at 11. Laboratory, Wednesday and Friday, 2:30-4:30.

5. *Histology of Phanerogams.*—The study of the cells, tissues and organs of flowering plants. Special reference to the technique of microscopic study. Lectures, laboratory and library work. Four hours, first semester. Prerequisite, Botany 3 and 4. Fee, \$3.00. Lectures Tuesday and Thursday at 7:40. Laboratory hours to be arranged.

6. *Physiology and Ecology of Phanerogams.*—The study of the various activities of the higher plants, and of the relation of those activities to form and structure. Lectures, laboratory, and field work. Four hours, second semester. Prerequisite, Botany 5. Fee, \$3.00. Lectures Tuesday and Thursday at 7:40. Laboratory hours to be arranged.

*9 *Economic Fungi.*—A general treatment of the more important plant diseases, such as rusts, smuts, moulds and mildews; of yeasts and fermentation organisms; of pathogenic bacteria; and of edible and poisonous mushrooms. Lectures, laboratory and thesis work. Two hours, first semester. Open to general election. Fee, \$1.00. Lecture Friday, 7:40 A. M. Laboratory Wednesday, 7:40-9:40 A. M.

*10. *Introduction to Forestry.*—A consideration of the character, culture, protection, and uses of the forest, and an introduction to the more important problems confronting the practical forester. The value of trees is emphasized, and the identification of the native trees is a part of the laboratory work. Lectures, laboratory, field, and thesis work. Two hours, second semester. Open to general election. Fee, \$1.00. Lecture Friday, 7:40 A. M. Laboratory, Wednesday, 7:40-9:40 A. M.

*11. *Bacteriology.*—A very general treatment of the structure and activities of bacteria, with emphasis placed on their relation to human life and interests. Among the specific subjects treated are soil fertility, sewage disposal, milk problems, butter and cheese making, diseases of plants and animals, and public health. Lectures, laboratory and thesis work. Two

hours, first semester. Open to general election. Fee, \$1.00. Lecture, Friday, 7:40 A. M. Laboratory, Wednesday, 7:40-9:40 A. M.

12. *Systematic Botany*.—The principles of classification from both historical and evolutionary standpoints, and a study of the classification of flowering plants. The identification of our native plants, and the use of the herbarium, forms a part of the laboratory work. Lectures, laboratory and thesis work. Three hours, second semester. Open to general election, but Botany 3-4 advised. Fee, \$2.00. Lecture, Tuesday at 7:40. Laboratory Monday and Thursday, 7:40-9:40. Miss Davies.

19 and 20. *Advanced Botany*.—Special work on assigned problems, leading to research in Botany. This course may be taken only by competent students, and with the consent of the head of the department. Hours and credits arranged individually.

HISTORY OF ART.

MISS BARKER.

The aim of these courses is not only to give the student a knowledge of the art history of the world and to fit him for foreign travel, which in this day has become so essential a factor in one's training and culture, but to lead him through a knowledge of the fundamental principles of aesthetics, to a truer appreciation of that which is good in the world of fine arts. A valuable History of Art library is at the disposal of the members of the class. Note books are used throughout the year for lectures; maps, cathedral plans, and photographs of the masterpieces under consideration are provided.

The courses enumerated below are all elective for Juniors and Seniors.

1. *History of Painting*.—Hoyt's *World's Painters* and Van Dyke's *History of Painting* are used as text books. The aim of this course is to study the history of painting by epochs. Beginning with the Gothic period of Italian Art ushered in by Cimabue and his followers, a careful study is made of the gradual evolution of painting, through the Renaissance and Decadent Periods of Italian Art, laying special stress upon the works of those men in whom the High Renaissance spirit of Italian paint-

ing reached its culmination. The second half of the term's work is spent upon the other great national schools of art, with concluding lessons on American painting. First semester, 5 hours, 8:40 A. M.

2. *History of Architecture*.—Text-books, Hamlin's *History of Architecture* and Bell's *Description and Itinerary of English Cathedrals*. After a general introduction to the history of architecture, and a consideration of the relations of architecture, sculpture and painting, the study is taken up by periods, beginning with the ancient Empire of Egypt and continuing through the Renaissance in Europe. A series of lessons follows on the Architecture of English Cathedrals. The work concludes with a study of recent architecture in Europe and the United States. The aim is to give a general view of the historic styles of architecture and a thorough understanding of their essential elements. The evolution of these styles is noted, with a careful study of their constructive and decorative principles. Second semester, five hours, 8:40 A. M. Alternates with course 4. Given in 1910.

*4. *History of Sculpture*.—Text-book, Marquand and Frothingham's *History of Sculpture*. As the history of sculpture is mainly a history of the influence of Greek art on later times, most of the term's study is devoted to the sculpture of Greece and a comparison of its sculpture with that of other countries and epochs. To this is added elementary instruction in the criticism of sculpture. Second semester, five hours, 8:40 A. M. Alternates with course 2. Given in 1909.

MUSIC.

MR. WOOD.

By action of the Faculty theoretical courses offered in the Conservatory of Music are allowed to count as elective work toward any of the baccalaureate degrees conferred by the University. These courses are also incorporated in one of the scheduled groups leading to the B. Ph. degree. They are as follows:

3-4. *General Theory*.—Two hours, both semesters. Monday and Thursday, 8:40 A. M.

5-6. *History of Music*.—Four hours, both semesters. Monday, Tuesday, Thursday and Friday, 1:30 p. m.

7-8. *Harmony*.—Four hours, both semesters. Monday and Friday, 11 a. m.; Wednesday, 10-12 a. m.

9-10. *Counterpoint*.—Four hours, both semesters. Tuesday and Thursday, 10-12 a. m.

11-12. *Musical Form*.—Two hours, both semesters. Monday and Friday, 10 a. m.

13-14. *Canon and Fugue*.—Two hours, both semesters. Tuesday and Friday, 8-10 a. m.

15. *Vocal Counterpoint*.—Two hours, first semester. Wednesday, 1:30 to 3:30 p. m.

16. *Free Composition*.—Two hours, second semester. Wednesday, 1:30 to 3:30 p. m.

PUBLIC SPEAKING.

MR. HOPPE.

This department affords training in practical public speaking and in the vocal interpretation of literature. The aim is a cultivation of speech-arts, inducing finished expression in speaking and reading. In Oratory the student learns to think clearly and speak forcefully before an audience. In reading he is led to appreciate and then interpret literature through the media of voice and action. The following courses are offered as college electives:

1. *The Vocal Interpretation of Poetry*.—Tone color, rhyme, rhythm, elements of poetic beauty, are treated with reference to vocal rendition. Mental technique and literary analysis are emphasized. First semester, Monday, Wednesday and Thursday, 2:30 p. m.

2. *Voice and Action in Speaking and Reading*.—A laboratory course in the vocal interpretation of the printed page. Special attention is given to physical technique. The psychology of gesture is treated, and methods of breathing and tone making are discussed. Second semester, Monday, Wednesday and Thursday, 2:30 p. m.

3. *Dramatic Readings*.—A study of the Drama, mainly Shakespearean, with a view to dramatic interpretation. Modern

stage methods are criticized. First semester, Monday, 10 A. M.

4. *Poetry as a Fine Art*.—A consideration of poetic workmanship, its music, its emotional values, from the reader's point of view. Second semester, Monday, 10 A. M.

5. *Inductive Studies in Oratory*.—A study in speech making, gleaned from the literature of the world's orators. Students appear in original productions. First semester, Tuesday and Friday, 2:30 P. M., Thursday, 1:30.

6. *Preparation and Delivery of Addresses*.—Special attention is given to extemporaneous speaking. Second semester, Tuesday and Friday, 2:30 P. M., Thursday, 1:30.

DRAWING.

An elementary knowledge of drawing is recognized by all as a valuable aid to the student in many lines of study. In order to put this aid within reach of the student the Director of the School of Art, Miss Parsons, offers a course in Free-hand Drawing, one hour per week, which is open to Freshmen in all groups and receives full college credit. In groups in which the knowledge of drawing is especially important the Adviser is authorized to make this course obligatory at his discretion. It is open also to special students with the consent of the instructor.

PHYSICAL TRAINING.

MR. FREEMAN.

Physical training, with modern apparatus and competent supervision, is essential to sound scholarship. With this in view, a progressive course is systematic and rational physical training is given, covering a minimum of two hours per week in the Freshman and Sophomore years, for which four credits are allowed. A careful physical examination of each student is made at the beginning of the school year, of which an accurate record is kept, and advice is given to assist the individual in acquiring or maintaining a healthy body.

In place of the systematic class work, those students who desire to follow other plans of physical training, by devoting four forty-five minute periods per week thereto, may receive credits for the same, as above, subject to the discretion of the Director. A short talk on the theory and practice of some athletic or gymnastic exercise from the standpoint of observer

and participant is given each week, and is open to all students of the University.

An elective course in Physical Training is offered to those Juniors and Seniors who desire a deeper knowledge of this subject than the required work for under-graduates furnishes. This course includes lectures on the history, theory and practice of gymnastics and athletics; lighting, seating, heating and ventilation of school rooms; the taking of physical measurements and examination of heart, lungs and senses; first aid to the injured and care of minor injuries. Ample opportunity is given for practice in handling gymnastic classes and athletic teams.

COURSES OF STUDY.

The unit of work is one hour of lecture or recitation work per week throughout a semester, and 124 units are required to complete a course. *In laboratory work a two hour period counts as one unit.* Without special permission to do otherwise, each student is expected to take not less than thirteen nor more than eighteen units of work in any one semester. For aid in choosing electives, the student may consult the schedules for the respective semesters, which will be found at the end of the volume.

To insure the organization of classes in purely elective studies the student must announce his election of any given study to the Professor or Instructor concerned thirty days previous to the close of the preceding semester.

THE GROUP SYSTEM.

To avoid the manifold evils of an unregulated choice of studies a number of groups have been formed, each leading to one of the three degrees conferred by the University, Bachelor of Arts, Bachelor of Science, or Bachelor of Philosophy. Thus the student, upon entrance, elects first the particular degree for which he wishes to study and then makes his own choice among the different groups leading to that degree. Each one of these groups emphasizes some particular line of study, such as Biology, Physics, or History for instance, and connects with this, such other branches as are fitted to secure breadth and consistency in

the result as a whole, together with a thorough and more extended knowledge of the field of study which forms the center of the group. A certain amount of free election is allowed in each group. After the student has made his choice of a group all further matters affecting his schedule of studies, including his choice of free electives, must be determined in conference with his Faculty Adviser. At the head of each group schedule, in the pages following, will be found the name of the Faculty Adviser for that group.

The numerals following names of studies indicate the number of the course, as described in the preceding statements of the various departments of study. Odd numbers always indicate first semester courses, even numbers those of the second semester.

GROUP SCHEDULES.

I. FOR THE DEGREE OF BACHELOR OF ARTS.

There are six separate groups leading to this degree. Group I is especially desirable for students expecting to teach Greek or Latin, or to take graduate work in these branches. Group II gives opportunity for special attention to Physics, and related mathematical studies, in connection with the ancient Classics. In Group III some other branch of Science, selected by the student, may be similarly emphasized; in Group IV, History, in Group V, Pure Mathematics, in Group VI, English.

All candidates for this degree, whatever the group chosen, must have completed previous to graduation at least four units each in French and German and eight units in science.

GROUP I. Adviser, Professor Colwell.

Freshman Year.—English 1-2, Greek 1-2, Latin 1-2, Mathematics 1-2, Philosophy 1. These requirements give a total of 15 hours each semester, leaving an opportunity to elect any one, two or three hour course available, if the student is able to carry extra work, in the judgment of his Adviser.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, History 1-2, French or German, four hours each semester. A one or two hour course each semester may be elected in addition, with consent of the Adviser.

Junior Year.—English 3-4, French or German, four hours each semester, Latin or Greek, two, three or four hours each semester, History or History of Art, three to five hours each semester. Free election, two to five hours each semester, depending upon the student's choice between alternative requirements just stated.

Senior Year.—English 5, Philosophy 3-4, Logic, History or Language, two to four hours. Free election, four to eleven hours each semester.

GROUP II. Adviser, Professor Johnson.

Freshman Year.—English, Greek, Latin, Mathematics, and Philosophy as in Group I, described above.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, Physics or Mathematics, four hours each semester. Election, two to six hours each semester, but History 1 and 2 must be taken in the Sophomore or Junior year.

Junior Year.—English 3-4, Mathematics or Physics, three or four hours each semester, Modern Language or Science, three or four hours each semester. Election, three to nine hours each semester, but History 1 and 2 must be taken if not taken in the Sophomore year.

Senior Year.—English 5, Philosophy 3-4, Mathematics or Physics, three or four hours each semester, Modern Language or Science, three or four hours each semester. Election, three to seven hours each semester.

GROUP III. Adviser, Professor Johnson.

Freshman Year.—Latin, Greek, English, Mathematics and Philosophy, as in Group I, described above.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, History 1-2, Science or Modern Language, three or four hours each semester. Election, two or three hours each semester.

Junior Year.—English 3-4, Science, four hours each semester, History or History of Art, three or five hours each semester. Election, four to eight hours each semester.

Senior Year.—English 5, Philosophy 3-4, Science or Modern Language, three or four hours each semester. Election, four to ten hours each semester.

GROUP IV. Adviser, Professor Goodell.

Freshman Year.—English, Greek, Latin, Mathematics and Philosophy as in Group I, described above. From one to three hours open to election, with consent of the Group Adviser.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, History 1-2. One year's work in Science is required, preferably in the Sophomore year. Free election, two to six hours each semester, according as the Science requirement is taken during this year or deferred.

Junior Year.—History 3-4, History 5-6, or 8, English 3-4, History of Art 1 and 2 or 4, Geology 2. Election, four to six hours each semester.

Senior Year.—English 5, Philosophy 3-4, History 9-10 (but course 9 is optional for Shepardson College students). Election, four to twelve hours first semester, four to nine hours second semester.

GROUP V. Adviser, Professor Gilpatrick.

Freshman Year.—English, Greek, Latin, Mathematics and Philosophy as in Group I, described above. From one to three hours' election, with consent of the Group Adviser.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, Mathematics 3-4. Three to six hours open to election each semester.

Junior Year.—English 3-4, Mathematics 5-6. Six to eleven hours open to election each semester.

Senior Year.—English 5, Philosophy 3-4, Mathematics 7 for first semester, Mathematics 8 or 10, or Astronomy 2, second semester. Six to ten hours open to election each semester.

The general requirements of four units each of French and German and eight units of Science should one or both be completed by the close of the Junior year.

GROUP VI. Adviser, Professor Williams.

Freshman Year.—English, Latin, Greek, Mathematics and Philosophy as in Group I, described above.

Sophomore Year.—English 9 and 10, Latin 3 and 4, or 5 and 6, Greek 3 and 4, Modern Language. Election, two to four hours.

Junior Year.—English 3, 4, 6, 7 and 11, Modern Language. Election, five to nine hours.

Senior Year.—English 5, 13 and 15, Philosophy 3-4, History of Arts 2 or 4. Election, eight hours each semester.

II. FOR THE DEGREE OF BACHELOR OF SCIENCE.

Groups VII to XII inclusive, lead to the degree of Bachelor of Science, emphasizing in the order named the departments of Botany and Zoology, Chemistry, Engineering, Geology, Mathematics, and Physics.

The following studies are common requirements of all Science Groups:

English, courses 1-5; Mathematics, courses 1-2; Chemistry, courses 1-4; Physics, courses 1-2; Philosophy, courses 1, 3 and 4. All candidates for this degree must present at least eight units of French or Spanish, and eight of German. Students who present two years of French or German for admission to the Freshman class must take at least eight additional units of foreign language work (French, Spanish, German or Latin) before graduation.

Time not provided for by these general requirements, or by the additional requirements of the particular Group chosen, is open to free election in conference with the Group Adviser. In order to insure the formation of a class in any study which is purely elective, the student must consult his Group Adviser and the instructor concerned at least thirty days previous to the end of the preceding semester.

GROUP VII—A AND B: *Biology.* Advisers, Professor Coghill and Assistant Professor Stiekney.

SUB-GROUP A.

At the close of his Freshman year the student must select either Zoology or Botany as his major subject; in other respects the zoological and botanical branches of this group are the same. Students who enter college without preparatory chemistry must take it in place of Chemistry 1 to 4 of the Freshman year and take courses 1 to 4 in the Sophomore year. In modern

language at least one year of German and one year of French or Spanish must be taken either in the preparatory or the college course, and in all cases at least 8 units of German, French or Spanish must be taken in college. More than these minima is advised.

Freshman Year.—Mathematics 1 and 2, Chemistry 1 to 4, English 1 and 2, Philosophy 1, General Biology (Botany and Zoology 1 and 2), Hygiene (Zoology 15 and 16). German or French is advised and the course in Hygiene may be deferred to the Sophomore year if necessary to give time for the German or French.

Sophomore Year.—Physics 1 and 2, German or French (may be omitted provided two years of preparatory and one year of Freshman modern language have been done, though even in this case it is advised), Mechanical Drawing (Civil Engineering 1; one unit during the first semester is required and more is recommended), Zoology 3 and 4 is required of Zoology students and Botany 3 and 4 of botany students.

Junior Year.—English 3 and 4. Zoology students take Botany 3 and 4 and Zoology 5 and 8, or 7 and 10. Botany students take Zoology 3 and 4 and Botany 5 and 6.

Senior Year.—Philosophy 3 and 4, English 5, and at least six units of Biology, to be selected in conference with the Professor of Zoology or Botany.

Additional Requirements.—In addition to the above, History 3 and 4 and Geology 3 and 4 must be taken at some time during the course.

Organic Chemistry (Courses 9 and 10) and Geology 2 are advised electives in this group.

SUB-GROUP B.

Forestry. Adviser, Assistant Professor Stickney.

This sub-group is intended for those who contemplate the United States Forest Service, and prepares for advanced standing in a School of Forestry.

Freshman Year.—Biology 1-2, Chemistry 1-2-3-4, English 1-2, Mathematics 1-2, Philosophy 1, Zoology 15-16. Election, two to four hours. (German or French is advised).

Sophomore Year.—Botany 3-4, French 1-2, Civil Engineering 1-2, Physics 1-2.

Junior Year.—Botany 9-10, English 3-4, Geology 6, German 1-2, Zoology 3-4. (History 9 advised).

Senior Year.—Botany 5-6, Civil Engineering 5, English 5, Geology 3-4, Philosophy 3-4. (Mathematics 3-4 advised).

In addition to the above, this group requires the summer courses in Plant Ecology and Entomology to be taken at the Lake Laboratory, Sandusky.

GROUP VIII: *Chemistry.* Adviser, Professor Brumbaek.

Freshman Year.—English 1-2, Mathematics 1-2, Philosophy 1, Chemistry 1-4, Zoology 15-16, a Modern Language, four hours.

Sophomore Year.—Chemistry 5-6, a Modern Language, four hours, Physics 1-2. Four to six hours each semester open to election.

Junior Year.—English 3-4, Chemistry 9-10. Seven to eleven hours open to election each semester.

Senior Year.—English 5, Philosophy 3-4. Nine to thirteen hours each semester open to election.

In this Group two years each of French and German are recommended; also Mathematics 3-4, Geology 3-4, Physics 3-4, and Zoology 1-2.

GROUP IX: *Engineering.* Adviser, Professor Trask.

Freshman Year.—English 1-2, Mathematics 1-2, Philosophy 1, Civil Engineering 1 and 6, Chemistry 1-4, French 1-2 or German 1-2.

Sophomore Year.—Physics 1-2, Mathematics 3-4, French or German, four hours, Geology A and Civil Engineering 15 and 17 in the first semester, Civil Engineering 2 in the second.

Junior Year.—English 3-4, Mathematics 5, Physics 3 (4 hours) Geology 7, Civil Engineering 5 and 13 in the first semester, 4, 10 and 14 in the second. Four to six hours open to election in second semester.

Senior Year.—English 5, Philosophy 3-4, Civil Engineering 3, 7, 9 and 11 in the first semester, 8 and 16 in the second. Four hours open to election each semester.

Students interested in Mining Engineering are referred to the second sub-group under Group X.

GROUP X, A and B: *Geology.* Adviser, Professor Carney.

Of the two sub-groups offered the first is intended as a general culture course. Electives may be so arranged as to prepare for a teaching position in Geology and a modern language, or some other combination.

SUB-GROUP A.

General Requirements :

English 1, 2, 3, 4, 5.

Philosophy 1, 3, 4.

Mathematics 1, 2.

Two years of foreign language.

Group Requirements :

Zoology 15, 16.

Geology 3, 4, 5, 6, 11, 12.

Three years of other sciences.

Elective :

Courses to make the required 124 units for the B. S. degree.

SUB-GROUP B.

This group affords the training required for certain lines of work in the United States Geological Survey, and also prepares for advanced standing in a Mining Engineering School.

Freshman Year.—Mathematics 1-2, English 1-2, Chemistry 1-4, Philosophy 1, Geology A, and Civil Engineering 1-2.

Sophomore Year.—Chemistry 5-6, Physics 1-4, Mathematics 3-4, Civil Engineering 4, Geology 11, and French or German throughout the year.

Junior Year.—Mathematics 5, Civil Engineering 3 and 10, English 3-4, Geology 7, and French or German throughout year, Geology 12. Election, six hours second semester.

Senior Year.—English 5, Philosophy 3-4, Geology 18, Civil Engineering 5. Election, six hours each semester.

NOTE.—If a student presents French or German for entrance, the opportunity for election is thereby increased. Civil Engineering 11 should be elected if possible.

GROUP XI: *Mathematics.* Adviser, Professor Gilpatrick.

Freshman Year.—Mathematics 1-2, English 1-2, Philosophy 1, French or German four hours, Chemistry 1-4.

Sophomore Year.—Mathematics 3-4, Physics 1-2, French or German four hours. Possible election, three to six hours each semester.

Junior Year.—Mathematics 5-6, English 3-4. Six to ten hours' election possible each semester.

Senior Year.—Mathematics 7, first semester, Astronomy 2 or Mathematics 8 or 10, second semester; English 5, Philosophy 3-4. Seven to ten hours election each semester.

GROUP XII: *Physics.* Adviser, Professor C. W. Chamberlain.*

Freshman year.—English 1-2, Mathematics 1-2, Chemistry 1-4, Philosophy 1, Zoology 15. Electives, French, German or Civil Engineering 1-2.

Sophomors Year.—Physics 1-2, Mathematics 3-4. Electives, (two to be chosen) French, German, History 3-4.

Junior Year.—English 3-4, Mathematics 5-6, Physics 3-4 and 11-12, Civil Engineering 4. Election, three to six hours in first semester, two to four hours in second.

Senior Year.—English 5, Philosophy 3-4, Physics 5-6 and 13-14, Civil Engineering 10. Election, four to eight hours in first semester, two to five hours in second.

III. FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

The applicant for this degree must select some one foreign language, ancient or modern, and pursue it through two consecutive years, (16 semester units) and previous to graduation must elect not less than 8 additional units of foreign language work, in consultation with his Group Adviser. Seven groups,

*Resigned.

XIII to XIX, lead to this degree, emphasizing respectively the departments of Latin, Romance Languages, German, English, History, Mathematics, and Theory of Music.

GROUP XIII: *Latin*. Adviser, Professor Johnson.

Freshman Year.—English 1-2, Philosophy 1, Mathematics 1-2, Latin 1-2, French or German four hours. Election, one to three hours each semester.

Sophomore Year.—Latin 3-4 or 5-6, a Modern Language, History 1-2 or a Science. Free election, three to six hours each semester.

Junior Year.—English 3-4; a Modern Language or History of Art; Latin, Logic or History. Free election, three to nine hours each semester.

Senior Year.—English 5, Philosophy 3-4; Latin, History or a Romance Language. Free election, six to ten hours each semester.

GROUP XIV: *Romance Languages*. Adviser, Professor McKibben

Freshman Year.—English 1-2, Philosophy 1, Mathematics 1-2, French four hours. Elective, Latin, Greek or a Science.

Sophomore Year.—French four hours, German four hours, the remainder of the time to be filled by election from the Ancient Languages, Science, Mathematics or History.

Junior Year.—First semester, English 3, Spanish 1, Anglo-Saxon four hours, French two hours. Possible election, three to five hours. Second semester, English 4, Spanish 2, Italian 2, French two hours. Possible election, four to six hours.

Senior Year.—English 5, Philosophy 3-4, Italian 3, French two hours, each semester. Possible election, six to nine hours in first semester, seven to eleven hours in second.

GROUP XV: *German*. Adviser, Professor W. A. Chamberlin.

Freshman Year.—German 1-2, English 1-2, Philosophy 1, Mathematics 1-2. Elective, Latin or Greek.

Sophomore Year.—German 3-4, History 1-2, Physics 1. Elective, three to six hours in the first semester and seven to ten hours in second, to be chosen from the departments of French, Latin, Greek, and Science.

Junior Year.—First semester: English 3; two courses selected from German 7, Spanish 1 and French 3; one course from Philosophy 5, History 3 and History of Art 1. Free election, three to six hours. Second semester: German 6 or 8, English 4 or History of Art 2 or 4; one course from Spanish 2, Italian 2 and French 4. Three to five hours open to free election. Spanish or History of Art, if chosen in the first semester, must be continued through the year. German 7 must be taken in the first semester if 8 is to be chosen in the second. In any case German 7 is required in either the Junior or the Senior Year.

Senior Year.—German 9-10, Philosophy 3-4, English 5; German 7, if not previously taken. Election, four to eight hours in first semester, seven to ten hours in second.

If credits in Modern Language are offered for entrance a corresponding amount may be deducted from the college language requirements of the Group, thus leaving more time for election from other departments.

GROUP XVI: *English.* Adviser, Assistant Professor Roberts.

Freshman Year.—English 1-2, Philosophy 1, Mathematics 1-2, Latin 1-2, French or German. Election, one to three hours.

Sophomore Year.—English 9-10, two Modern Languages. Election, four to eight hours.

Junior Year.—English 3, 4, 6, 7 and 11; Modern Language. Election, five to nine hours.

Senior Year.—English 5, 13 and 15; Modern Language, Philosophy 3-4. Election, three to nine hours.

GROUP XVII: *History.* Adviser, Professor Goodell.

Freshman Year.—English 1-2, Mathematics 1-2, Philosophy 1, German or French four hours throughout the year. Four to six hours possible election in each semester. A year's work in some science must be taken in this Group, preferably in the Freshman year.

Sophomore Year.—History 1-2 and 8, Geology 2, German and French (four hours each) throughout the year. Three to six hours possible election in first semester, two hours in second.

Junior Year.—English 3-4; History of Art 1, and 2 or 4; History 3-4 and 5-6. (History 5-6 optional for students of Shepardson College). Election, three to six hours in first semester, six to nine hours in second.

Senior Year.—English 5, Philosophy 3-4, German or French throughout the year, History 9-10. (History 9 optional for Shepardson College students). Possible election, three to seven hours in first semester (four hours more for Shepardson College students) and five to eight hours in second.

GROUP XVIII: *Mathematics.* Adviser, Professor Gilpatrick.

Freshman Year.—Mathematics 1-2, English 1-2, Philosophy 1, an Ancient or Modern Language four hours each semester. Election, four to seven hours each semester. (One foreign language to be pursued through the Freshman and Sophomore years, 16 units, and not less than 8 units more of foreign language work to be elected during the course).

Sophomore Year.—Mathematics 3-4; continuation of foreign language chosen in Freshman year, four hours each semester; History or Science, four hours each semester. Free election, three to six hours each semester.

Junior Year.—Mathematics 5-6, English 3-4; a foreign language, four hours each semester. Free election, four to seven hours each semester.

Senior Year.—Mathematics 7, first semester; Astronomy 2 or Mathematics 8 or 10, second semester; English 5, Philosophy 3-4. Election, seven to ten hours each semester.

GROUP XIX: *Music.* Adviser, Mr. Wood.

Freshman Year.—English 1-2, Philosophy 1, Mathematics 1-2, German or French 1-2 (8 units), Music 3-4. Election, Physics or other Science, 3 to 5 hours each semester.

Sophomore Year.—German or French continued (8 units), History 1-2, Music 5-6 and 7-8. Free election, 2 hours each semester.

Junior Year.—English 3-4, History of Art 1-2, Music 9-10 and 11-12. Free election, 2 to 4 hours each semester. (8 units of a foreign language must be completed subsequent to German or French of Freshman or Sophomore years).

Senior Year.—English 5, Philosophy 3-4, Music 13-14. Free election, 2 to 7 hours each semester (see under Junior Year).

N. B.—A certain minimum of musical technique is requisite in the theoretical courses in advance of Music 3, and a student with no practical knowledge of music may be required to pursue the study of the pianoforte not less than two semesters. The work in Sight Reading and Ear Training (Music 1-2) is also recommended, and may under some circumstances be required of Freshmen in this group. For details of the courses in music, consult the announcement of the Conservatory of Music in this catalogue. The completion of the foregoing group does not of itself entitle the student to the regular Conservatory Diploma, the requirements for which are stated elsewhere.

Shepardson College.

HISTORICAL STATEMENT.

For several years prior to 1900, under joint agreement of the authorities of the two schools, the facilities of Denison University, including instruction, were largely accessible to the students of Shepardson College. The practical working of this arrangement gradually pointed the way to a still closer union, making it possible to offer to both daughters and sons of the patrons of the two schools an education in all respects equal, and receiving equal recognition upon completion.

In June, 1900, following these indications of practical experience, such a union was effected. The courses of Denison University, its class rooms, its material equipment and its degrees, were opened to the students of Shepardson College on exactly the same terms as to young men. While Shepardson College thus became a department of the University, co-ordinate in all scholastic matters with Granville College, it still retains its legal identity, and offers on its own account one course, differing from any of the courses of the University and leading to the title of Associate in Literature.

As the Boards of Trustees and the course of instruction (with the exception just noted) are now the same for Granville College and Shepardson College they are not here repeated, but may be found, with other general information, in the preceding pages of the catalogue.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

EMORY W. HUNT, D. D., LL. D., President.

Intellectual and Moral Philosophy.

HARRIET M. BARKER, A. M., Dean.

History of Art.

JOHN L. GILPATRICK, Ph. D.,

Mathematics.

RICHARD S. COLWELL, D. D.,

Greek.

GEORGE F. MCKIBBEN, Ph. D.,

Romance Languages.

CHARLES L. WILLIAMS, A. M.,

Rhetoric and English Literature.

WILLIAM H. JOHNSON, A. M.,

Latin.

*CLARK W. CHAMBERLAIN, A. B.,

Physics.

WILLIS A. CHAMBERLIN, A. M.,

German.

CHARLES E. GOODELL, A. M.,

History.

FRANK CARNEY, A. B.,

Geology and Mineralogy.

BIRNEY E. TRASK, C. E.,

Civil Engineering.

ARTHUR M. BRUMBACK, A. M.,

Chemistry.

GEORGE E. COGHILL, Ph. D.,

Zoology.

MALCOLM E. STICKNEY, A. M.,

Botany.

WARREN H. ROBERTS, A. B.,

English.

*Resigned.

BUNYAN SPENCER, A. M.,
Logic.

ANNA B. PECKHAM, A. M.,
Mathematics.

CLARA A. DAVIES, M. S.,
Science.

CORNELIA A. MONTGOMERY, A. B.,
English.

RUTH L. JONES, A. B.,
Latin and English.

AUGUST ODEBRECHT, A. M.,
Modern Languages.

CARL PAIGE WOOD, A. M.,
Theory of Music.

FRANCES E. JONES, A. B.,
Physical Culture.

HELEN M. HUNT,
Matron.

E. E. HOPKINS,
Treasurer.

ANNA B. PECKHAM,
Secretary to the Faculty.

GRACE E. NORTH,
Secretary to the Dean.

MRS. CARRIE ALTROGGE,
Director of Dining Hall.

WOMEN IN CHARGE OF COLLEGE HOUSES.

Burton Hall.....	MISS BARKER
King Hall.....	MISS PARSONS
Stone Hall.....	MISS PECKHAM

ADVISORY COMMITTEE

CLASS I.—Term expires in 1909.

MRS. M. G. STREET.....	Granville.
MRS. E. K. NICHOLS.....	Wilmington.
MRS. B. F. McCANN.....	Dayton.
*MRS. J. H. McKIBBEN.....	
MRS. G. B. LAIRD.....	Columbus.

CLASS II.—Term expires in 1910.

MRS. G. M. PETERS, <i>Chairman</i>	Cincinnati.
MRS. J. A. ROBERT.....	Cincinnati.
MRS. C. T. LEWIS.....	Toledo.
MRS. J. R. DAVIES.....	Newark.
MRS. S. F. VAN VOORHIS.....	Newark.

CLASS III.—Term expires in 1911.

MRS. J. F. CAMPBELL.....	Canton.
MRS. F. P. BEAVER.....	Dayton.
MRS. R. S. COLWELL.....	Granville.
MRS. L. T. SCHOFIELD.....	Cleveland.
MRS. E. B. SOLOMON.....	Dayton.

COURSES OF STUDY AND DEGREES.

The courses of study of Denison University, and its degrees, are all open to students of Shepardson College on equal terms with young men, and a detailed statement of studies offered in the various departments of instruction, with conspectus of courses leading to the several degrees, will be found on pages 40-82.

In addition to these courses, Shepardson College on its own account offers the title of Associate in Literature for the following course, based upon the same amount of preparatory work as is required for entrance to the Freshman Year in the University courses:

* Removed from the state.

FIRST YEAR.

NAME OF COURSE.	COURSE NUMBER	HOURS PER WEEK.
<i>First Semester—</i>		
French or German.....	F. 1	4
	Ger. 1	4
Philosophy.....	Ph. 1	1
Rhetoric and American Literature.....	E. 1	3
Science or Mathematics.....		3 or 5
*Elective.....		3 to 5
<i>Second Semester—</i>		
French or German.....	F. 2	4
	Ger. 2	4
Science or Mathematics.....		3 or 4
Rhetoric and American Literature.....	E. 2	4
*Elective.....		4 or 5

SECOND YEAR.

NAME OF COURSE.	COURSE NUMBER	HOURS PER WEEK
<i>First Semester—</i>		
French or German.....	F. 3	4
	Ger. 3	4
English Literature.....	E. 3	3
History of Art.....	H. A. 1	5
*Elective.....		4
<i>Second Semester—</i>		
French or German.....	F. 4	4
	Ger. 4	4
English Literature.....	E. 4	3
History of Art.....	H.A.2 or 4	5
*Elective.....		4

*The elective for which provision is made throughout this course must be history, English, music or art. The music or art must be sufficiently advanced to be regarded as college and not preparatory work, this of course to be determined by the Faculty.

It should be understood that the certificate given at the completion of this course entitles one to full credit for all work done except in music or art, in any one of the University Courses, should the student subsequently compete for a degree.

ROOMS AND BOARD.

Non-resident students are expected to board and room in the College, unless other arrangements have been previously made with the college authorities. Students may not room in the village and board at the College dining-hall so long as there are vacancies in the college dormitories.

Hereafter, no reduction in board can be given to students returning to their homes over Saturdays and Sundays.

Teachers and students living on the College grounds, take meals in the Dining Hall, a bright spacious room fully equipped, and adapted to the needs of such an institution.

Each student must furnish her own napkin and napkin ring, towels, sheets, pillow cases and bedding for either single or double bed, so that two room-mates may together furnish all needful bedding. Size of pillows, 22x27 inches. Those who desire may provide window drapery, table spreads, etc. All articles of clothing and bedding must be marked with the owner's name in full. Baggage should be plainly marked, "Shepardson College," to insure prompt delivery.

In order to secure a room in advance, a retaining fee of five dollars must be deposited by each student with the Treasurer of the College. No room is regarded as engaged until this fee is in the Treasurer's hands. This sum will be applied on the bills of the first semester, unless the student fails to take the room, in which case it is forfeited. Those wishing a choice of room should apply early.

Rooms engaged at the close of the school year will not be held later than July 1, unless the retaining fee has been paid.

ADMISSION.

Owing to the fact that it has been found impossible to accommodate all applicants for admission to Shepardson College it is deemed best to give precedence to college students. Accordingly, hereafter no reservation of rooms for preparatory students not already in Shepardson College will be made before August 1. After that date, preparatory students will be accommodated so far as there is dormitory space.

Students who have completed any of the regular courses in the Shepardson Preparatory Department are admitted to the Freshman Year of the corresponding course upon their certificates, without further examination. For those who have prepared elsewhere, the conditions of admission are identical with those of Granville College. See page 35.

Beginning with September, 1908, a four years' preparatory course was adopted, substantially identical with the four years' course of Doane Academy. The first year's work of this course, however, will not be offered by the Shepardson Preparatory Department, but must be completed before entrance. A full statement of the work of the Preparatory Department, its requirements, etc., will be furnished on application.

Only such rules and regulations are imposed as are necessary to maintain health and order. It is the endeavor of the College to foster among its pupils self-knowledge and self-control.

The government is intended to be educational rather than restrictive. With this in view a system of Student Government has been adopted, having for its province the conduct of young women in the various college houses.

The conduct of the young women with reference to all social engagements is under the control of the Faculty.

MORAL AND INTELLECTUAL INFLUENCES.

Without placing any restraint upon the denominational preferences of its pupils, the College aims to surround them with salutary Christian influences. Attendance on the daily Chapel exercises and the usual Sunday service is required, but no restriction is placed upon the pupil's choice of a regular place of worship. A students' prayer-meeting is held every Monday evening. Students and teachers unite in the Young Women's Christian Association, and in classes organized for systematic Bible study.

There are two Literary Societies in the College, the Euterpean and the Philomathean, which have a large membership and do excellent work.

The Marsh Memorial Library in King Hall, established by Dr. and Mrs. Shepardson in memory of their daughter, Mrs. Lide Shepardson-Marsh, contains a valuable collection of books for Bible and missionary study; also dictionaries, encyclopedias, and other helps for general study. This library is constantly being increased by gifts from the family and friends of Mrs. Marsh.

The Reading Rooms in Burton Hall are supplied with current literature, and in addition to the University Library a spe-

cial Reference Library is maintained on the Shepardson College grounds, for the convenience of its students and teachers.

A Social Culture Club holds regular meetings for the presentation and discussion of various questions pertaining to social etiquette. The social advantages of the school itself are greatly enhanced by the hearty welcome which the young ladies receive in the homes of the people of Granville.

MUSIC AND ART.

The Conservatory of Music, and the School of Art, furnish ample facilities to students who wish to pursue these branches. The courses offered, with the special charges in these departments, are described elsewhere.

ELOCUTION.

The classes of Mr. Hoppe, Instructor in Vocal Expression, are open to students of Shepardson College. The charge for this work is extra. For detailed information, consult the general index.

PHYSICAL CULTURE.

This work is carefully planned to meet individual needs ascertained by a physical examination given each student at the beginning of the college year. Special corrective gymnastics are employed to a considerable extent.

The time spent in indoor exercises is divided between class work and individual work on chest weights and other developing appliances.

The students on the grounds are required to take systematic exercise. Those living in the village enjoy the benefits of the gymnasium upon the payment of a fee. For the sake of uniformity, students are advised to consult the Director before procuring their gymnasium suits.

Daily exercise in the open air is also required, except on the days for gymnasium work.

SCHOLARSHIPS.

A limited number of scholarships are available for the use

of students in case of necessity, provided they maintain an honorable standing in their classes and live an exemplary life.

It is understood that pupils holding scholarships, if called upon, will be expected to render slight service to the college. Such service, however, will in no way conflict with the pursuance of regular college studies.

EXPENSES.

No student is enrolled in any department until settlement has been made with the Treasurer and Registrar.

I. Bills of \$25 or less are due within two weeks after registration.

II. If bills amount to more than \$25, one-half is due within two weeks after registration and the remainder at the middle of the semester.

III. Any student who finds it inconvenient or impossible to conform to the above schedule, may readily secure an extension of time by applying to the Treasurer for it, provided such application is made before the time for payment expires.

IV. To enforce these rules, a fine of fifty cents, known as a Delinquent's Fee, will be imposed upon students for the first day their bills remain unsettled after the expiration of the two weeks or any other specified time, seventy-five cents for the second day and an additional twenty-five cents for each succeeding week.

V. It is understood that all registrations are for the entire semester unless otherwise agreed upon. In case of illness, however, the following rebates will be granted from the semester's bill :

FOR STUDENTS IN SHEPARDSON COLLEGE, a rebate of \$10.00 on College tuition (\$6.50 on Preparatory tuition) will be granted only to those leaving before the middle of the semester; in addition to this, a rebate of \$3.00 per week on board will be granted to RESIDENT STUDENTS from the time they leave.

FOR STUDENTS IN THE CONSERVATORY OF MUSIC AND ART DEPARTMENT, a rebate of one-half the tuition charge (no rebate on fees) will be granted only to those leaving before the middle of the semester.

Meals sent to rooms will be charged extra.

Any breakage or injury to furniture or room will be charged to the occupants of the room.

Arrangements for washing can be made on reasonable terms.

No student will be permitted to register for future work until all bills due the College have been paid.

EXPENSES PER SEMESTER.

Hereafter all college expenses (outside the Conservatory of Music and the Art Department) will be combined in one sum, which includes room-rent, board, tuition, and all fees except laboratory fees, as follows:

For college students occupying second floor rooms.....	\$140.00
For college students occupying third floor rooms.....	132.50
(A few smaller second floor rooms are rented at third floor rates.)	
For non-resident college students.....	30.00
For students in Shepardson Preparatory Department the charges are \$3.00 less in each case than in the college classes.	

EXTRA EXPENSES.

Matriculation fees are as follows: Freshman Class, \$2; Sophomore, \$3; Junior, \$4; Senior, \$5. No matriculation fee is charged to students entering with diplomas from the Shepardson Preparatory School.

Students absenting themselves from the regular examinations are charged a fee of \$2 for each special examination.

Certain laboratory courses in Natural Science have fees attached, to cover cost of materials and breakage. For college classes these fees will be found with statement of the individual courses in the various departments. For preparatory courses in Chemistry, Physics, Physiology and Botany, the fee is \$2.00 per semester. Fee for late registrations, fifty cents on second day of the semester, and one dollar after the second day.

Diploma fees are as follows: Collegiate, \$5.00; Preparatory Department, \$2.00; Conservatory of Music, \$2.00; School of Art, \$2.00.

PREPARATORY DEPARTMENT.

The students of the Preparatory Department of Shepardson College are not separated from those of the College, except in

class-room. In the homes they mingle freely, living side by side, enjoying the same friendships, pleasures and privileges. This intimate association is helpful to all, but especially so to those of less experience.

ENTRANCE.

It is important that those entering for the first time should come the day before the opening of the first semester for examination and classification.

Though students may enter at the beginning of either semester, much is to be gained by entering the work at the opening of the year.

Each student in ordinary health is expected to take three regular studies,—or their equivalent in music or art,—and do the usual amount of reading and rhetorical work.

Each instructor keeps a constant record of the work of each pupil, and reports the same to the Registrar at the close of the semester. The standing is indicated as follows: The letter A opposite a student's name indicates that her work for the semester, including examination, has been *excellent*; B, that it has been *good*; C, *fair*. The letter D indicates that the work has been too poor to receive credit until some *condition*, imposed by the instructor, has been fulfilled; and E indicates a complete *failure*.

EXAMINATIONS.

At the close of each semester written examinations are held but those who, during the semester, have maintained an A standing may be excused from such tests, with the rank of *honor students*. In order to secure this grade, pupils should have no unexcused absences.

RELIGIOUS EXERCISES.

All students of the College are required to attend morning Sabbath service and Sabbath School.

Classes in Bible Study meet regularly, and are open to all members of the College.

COURSES OF STUDY.

Beginning with September, 1908, Shepardson College adopted a four years' Preparatory Course, identical in the main with the Doane Academy four years' course, with the exception that the first year's work will not be offered, and hence must be completed by any student before entering the Shepardson Preparatory Department. A fuller statement of the work of this department, will be supplied on application.

HOURS OF RECITATION.

		7:40	8:40	10:00	11:00	1:30	2:30
SECOND YEAR		Rhetoric T., W., Th., F.	Med. & Mod. History, 3 French, 5	French, 5 German, 5 Physiol. Lab., 2	Physiology, 5 First Sem. Botany, 5 Second Sem.		Latin, 5
THIRD YEAR	CLASSICAL	Geometry, 5			Latin, 5	English, 3	Greek, 5
	SCIENTIFIC	Geometry, 5 Chemistry Sec. I Rec. W., F. Lab. Tu., Th.	French I, 5 Lab. Tu., Th.	German I, 5 Chemistry Sec. II Rec. W., F. Lab. Tu., Th.	Latin, 5 Lab. M., Th.	English, 3 Phys. Geog. Lab., 2	Phys. Geog., 5
	PHILOSOPHICAL	Geometry Chem. Sec. I	French I, 5	French I, 5 Chem. Sec. II	Latin, 5	English, 3 Phys. Geog. Lab. 2	Greek, 5 Phys. Geog., 5
SENIOR (Old Course)	CLASSICAL		Latin, 5	Doubler's Greek, 5	Geometry and Algebra } 5	Greek II, 5	English Mondays
	CLASSICAL		French I, 5	German I, 5		*Physics, 3 French, 1 German, 1	

* Four hours laboratory work to be arranged.

III. Doane Academy.

FACULTY.

H.⁵RHODES HUNDLEY, Sc. D., Dean.
English and History.

BUNYAN SPENCER, A. M.,
Greek.

MALCOLM E. STICKNEY, A. M.,
Botany and Physiology.

FRANK CARNEY, A. B.,
Physical Geography.

ARTHUR M. BRUMBACK, A. M.,
Chemistry.

CLARENCE D. COONS,
Physics.

AUGUST ODEBRECHT, A. M.,
French and German.

WILLIAM G. SPENCER, A. M.,
Latin.

J. BROKENBOROUGH WOODWARD, A. B.,
Mathematics.

JOSEPH HAYES CORY,
English.

BUNYAN SPENCER

Registrar

AUGUST ODEBRECHT

Secretary

HISTORY OF DOANE ACADEMY.

This school was organized in 1831, as a preparatory department of the Granville Literary and Theological Institution. As the latter school developed, becoming first Granville College and

finally Denison University, the preparatory department remained a fundamental part of this educational plant.

In 1887, for the purpose of adding to the attractiveness of the department and of increasing its efficiency, it was made a separate school and named Granville Academy.

In 1894, the school received from Dr. William Howard Doane, of Cincinnati, the gift of a beautiful and commodious building, and as an expression of gratitude for this generous gift, at their annual meeting in 1895, the board of trustees changed the name of this school to "Doane Academy."

AIMS.

It is the special aim of the Academy to bestow the best quality of instruction preparatory to College. In addition to the preparatory work, however, the curriculum has been so arranged as to furnish to those not intending to pursue a course in College a first-class Academic education.

ADVANTAGES OF LOCATION.

The school is located at Granville, Licking County, Ohio, a village noted for the beauty of the surrounding scenery and the healthfulness of its climate, and for the intelligence and high moral character of its citizens. The quiet of the place is highly conducive to earnest study. The absence of saloons and all places of gambling and vice makes Granville an ideal place for young people. The social atmosphere is pure and elevating and offers to young men an opportunity for the cultivation of those graces which will enable them to appear well in good society.

CONNECTION WITH DENISON UNIVERSITY.

The Academy enjoys peculiar advantages by reason of connection with Denison University. The material benefits of such relation are obvious. The general comforts and conveniences of a plant more extensive and costly than a preparatory school might expect to afford, are open without discrimination to the students of the Academy. The Library of the University, the privileges of Cleveland Hall, and the equipment of the Scientific Department are examples of these exceptional advantages.

Besides these, the intellectual stimulus of association with the Faculty and the mature students of the College; unusual social privileges; opportunities in the way of lectures and entertainments; the courses of the Conservatory of Music; and the Art Department, are further illustrations of the advantage that accrues to the Academy through union with the greater institution.

ROOMS FOR STUDENTS.

Within certain limitations, the rooms in the college dormitories are available for Academy students.

The rooms are arranged in suites, each suite consisting of a study 12 by 15 feet, a bed room 8 by 11 feet, and two small closets. Each suite is designed for two students.

The rooms have been recently refitted and provided with all necessary furniture. They are lighted with electric light and heated with hot water radiators, connected with the central heating and lighting plant. There are lavatories with hot and cold water, shower baths, etc., on every floor.

If any student prefers to room elsewhere, or if at any time he finds all the rooms in the dormitories assigned to others, he can always obtain pleasant rooms in the village, either furnished or unfurnished, at moderate cost.

COURSES OF STUDY.

REGULAR COURSES.

There are three regular courses of study, the Classical, the Scientific, and the Philosophical, each extending through four years and leading to corresponding courses in the College. The holder of a diploma from the Academy is admitted to the Freshman Class of Granville College without examination or the payment of a matriculation fee.

Although these courses have been arranged with special reference to the curricula of the University, they will be found

quite sufficient to prepare for entrance into any American college. An examination of the detailed scheme of these courses, found on following pages, will show that outside the required work sufficient electives are offered to ensure conformity to individual needs.

ELECTIVE STUDIES.

When the reason seems to be sufficient, students are allowed to make a judicious choice of elective studies, but this choice is never permitted to interfere with the work of the regular classes in which studies may be elected.

OUTLINE OF THE WORK.

ENGLISH.

The aim of the work in this department is to insure a thorough knowledge of English Grammar; give careful grounding in the fundamental principles of Composition and Rhetoric, supplemented by extensive practice in writing; meet the "College Entrance Requirements" in English Classics; and take an outline survey of English literature.

MATHEMATICS.

The work in Mathematics covers three years, five hours a week, divided equally between Algebra and Geometry. Algebra I is given in the first year, five hours a week, and extends through Quadratics. Algebra II is given five hours a week throughout the second semester of the fourth year and in addition to a thorough review, carries the subject through the progressions. An entire year is devoted to Plane Geometry giving time for extensive work in original exercises. One semester is given to Solid Geometry.

HISTORY.

A course in General History is offered in the first year. The scope of this work may be judged from the fact that Myers'

latest texts in Ancient, Mediaeval and Modern History are carefully covered. In the second year, English History is given three hours a week throughout the year.

LATIN.

The first year in this subject is devoted to a thorough mastery of the forms and underlying principles of the syntax of the language. In the second, four books of *Cæsar* or the equivalent are read, and a text-book course in prose composition is given. In the third year, Cicero's orations against *Catiline* and his *Manilian Law*, *Archias* and *Marcellus* are read, accompanied by a continuation of the course in prose composition. Six books of Virgil's *Aeneid* are read in the fourth year, supplemented by Ovid and courses in Mythology and prose composition.

GREEK.

The regular course in this subject includes two years, five hours a week, covering the ordinary first year of Greek, the usual amount of the *Anabasis*, and prose composition. For those preparing for colleges requiring more Greek for entrance, provision is made for taking the additional amount in connection with the Freshman Class in Granville College.

For the benefit of those who enter the advanced courses in the Academy or who enter the Freshman Class in the College desiring to take the Classical Course but lacking Greek, a so-called "Doubler's" class is organized which completes two years in one. Only students of tried ability and earnestness are allowed in this class, and a decline of grade below 80% immediately debars the delinquent from the class.

MODERN LANGUAGES.

Two years of French and two of German constitute the work of this department. French or German may be substituted for Latin in the last two years of the Scientific Course, and a similar substitution of French, German or Greek will hereafter be allowed in the last year of the Philosophical Course; and while no work in this department is required, at present,

in the Classical Course, it is hoped that no student will complete that course without at least one year of either French or German.

SCIENCE.

Four full years of Science are offered. Each course requires the conventional proportion of laboratory work. In the first semester of the second year, Physiology is given, and in the second semester, Botany. Laboratory and note-book work is required in both these courses. In the third year, strong courses in Chemistry and Physical Geography are given. Both consist of text-book, lecture and laboratory work. In Physical Geography, field work is also required. In the senior year, the subject of Physics is given, with regular weekly laboratory work throughout the year.

All the science work is done under the direct supervision of the heads of the respective departments in Granville College, and this fact, together with the exceptional equipment afforded by the connection of the Academy with Denison University, guarantees superior advantages in our Science Department.

ADMISSION OF STUDENTS.

Although students are admitted at any time, they enter to the best advantage at the beginning of the school year. Those who desire to enter after the school year has begun should, by correspondence with the Dean, ascertain before-hand, as nearly as possible, the progress that has been made by the class which they propose to enter.

CONDITIONS OF ADMISSION.

The requirements for admission to the First Year Class are the usual eight grades of public school work, or the equivalent; and to advanced standing, the studies previously pursued by the class which the applicant desires to enter.

No student will be admitted who is not fitted to do well the work of the first year.

An applicant not personally known to some member of the Faculty must furnish testimonials of good character, and, if from another institution, he must present a certificate of honorable dismissal.

COURSE OF INSTRUCTION BY YEARS

The following scheme of the studies of each course by years exhibits the work required for graduation in each together with the electives offered.

STATEMENT OF COURSES BY YEARS.

While in most cases four years will be absolutely necessary to complete the work required for graduation, it is not the policy of the school to hold back those who are clearly able to carry more than the yearly allotment. Exceptionally earnest, mature and capable students may in the four years complete all the Academy work and more or less of the Freshman year in College. The work of the Academy is so articulated with that of the College as to make this plan quite feasible, and in this way it may be possible frequently to shorten the combined work of the Academy and College courses by at least a year.

	CLASSICAL	HOURS PER WEEK	SCIENTIFIC	HOURS PER WEEK	PHILOSOPHICAL	HOURS PER WEEK
FIRST YEAR	Latin I, (1st Book).....	5	Latin I.....	5	Latin I.....	5
	Algebra I (Through Quadratics)	5	Algebra I.....	5	Algebra I.....	5
	History I (Ancient, 1st semester; Mediaeval and Modern 2d).....	5	History I.....	5	History I.....	5
	English I (Review Grammar and Elementary Composition).....	3	English I.....	3	English I.....	3
SECOND YEAR	Latin II (2d Latin Book) Caesar and prose composition.....	5	Latin II.....	5	Latin II.....	5
	Science I (Physiology 1st semester, and Botany 2d).....	5	Science I.....	5	Science I, or French I, or German I.....	5
	French I or German.....	4	English II.....	4	English II.....	4
	English II (Rhetoric and Classics).....	4	History II.....	3	History II.....	3
	History II (English).....	3				
THIRD YEAR	Latin III, (7 of Cicero's Orations and Prose Composition).....	5	Latin III, or French I or German I.....	5	Latin III, or.....	5
	Greek I (1st Book).....	5	Science II.....	5	Greek I, or French or German or Science II.....	5
	Plane Geometry.....	5	(Physical Geography or Chemistry).....	5	Plane Geometry.....	5
	English III, (Rhetoric and Classics).....	3	English III.....	3	English III.....	3
FOURTH YEAR	Latin IV, (Virgil and Prose Composition).....	5	Latin IV, or French I or II, or German I or II.....	5	Latin IV, or.....	5
	Greek II, (Anabasis & Prose Composition).....	5	Solid Geometry 1st semester, and Algebra II, 2d.....	5	Greek II, or French I or II, or German I or II.....	5
	Chemistry or Physical Geography, or Physics, or Solid Geometry, 1st semester; and Algebra II, 2d.....	5	Physics.....	5	Chemistry or Phys. Geog., or Physics, or Solid Geometry 1st semester, and Algebra II, 2d.....	5
	English IV, (Literature).....	3	English IV.....	3	English IV.....	3

CLASS WORK.

REGULARITY AND PUNCTUALITY.

Every student, unless excused for special reasons, is expected to attend at least three recitations each school day. His attendance on these and on the special or public exercises of the class or of the Academy must be punctual.

Parents are especially urged to encourage students to be present at the opening of the session, and to remain at their work till its close. Absence from the duties of the school, whether occasioned by absence from town or by the entertainment of friends, is subversive of the highest good of the student. His pleasure, or that of his friends, should never be permitted to interfere with his daily duties.

RECITATION PERIODS AND UNITS OF CREDIT.

The recitation periods are *one hour in length*, and a *unit of credit* is made by five hours of recitation a week throughout a year. Fractions of units are determined upon this basis.

It will be seen from the "Courses of Studies by Years," exhibited on page 103, that fourteen and a fifth units are required for graduation, but a student desiring to do so may increase this number of units to a considerable extent. This opportunity affords a special advantage to those who need to adjust their preparatory work to the entrance requirements of other colleges; while those who expect to enter Denison may, in general, secure 50% college credit for all such additional work.

EXAMINATIONS.

Examinations are held at the close of each semester, and at intervals during the semester, at the discretion of the instructor. If a student's grade for a given semester in a given class falls below seven-tenths of the maximum, he forfeits his right to continue as a member of the class. In determining his grade, his examination mark has half the power of the average of his term marks. Regularity in work, good conduct, spelling and diction are considered as elements in making up the student's standing.

RULES FOR EXAMINATIONS.

1. All students, whether candidates for the diploma of the Academy or not, are required to attend all examinations in the studies they pursue, unless excused by merit.

2. No student whose examination in any study is reported as "*Incomplete*," will receive credit for that study until after the examination has been completed. In case, however, the examination be not completed within one year, the unfinished study will be regarded and treated as "*Not Passed*."

3. Any student reported as passed "*Conditionally*" in any work, must remove the condition within one year from the date of the examination in which it was incurred, otherwise he shall be regarded and treated as "*Not Passed*."

4. Any student reported as "*Not Passed*" in any study will receive no credit for that study until he has again pursued it as a regular class exercise, and has passed the regular examination in the same.

5. Giving or receiving aid in any examination is deemed grossly immoral, and will be visited with severe punishment.

6. Any student who is absent from examination, without consent previously obtained, must present to the Faculty a written statement of the cause of his absence; and the reason must be accepted as sufficient before he can enter his class.

7. A student who, having been absent from a regular examination in any class, applies for a special examination, or any student who takes an examination for the removal of a condition, must present to the instructor the Treasurer's receipt for the examination fee before receiving credit for such special examination.

RULES GOVERNING ABSENCES FROM CLASS EXERCISES.

I. If a student shall be absent no more than five times from any class exercise during one semester, these absences shall be treated as excused.

II. The absences in excess of five shall be treated as *excused* or *unexcused*, at the discretion of the instructor.

III. When a student has been absent more than five times from any class, if these absences have been consecutive, he shall be required to pass an examination upon the part of the work covered by the period of absences; if the absences have occurred at different periods during the semester, the examination shall be upon such part of the work of the semester as the instructor shall determine. The student's standing for the period of absences shall be determined by his examination.

IV. These examinations shall not be considered special examinations in the sense of requiring an extra fee.

V. Every student who shall have been present at every recitation of a class during the semester shall have his three lowest marks in that class changed into that mark above 70 of which he has the greatest number.

REPORTS.

At the close of each semester of study the Secretary of the Faculty mails to the parent or guardian of each student in the Academy a report of the standing attained by such student in each study pursued during the semester, together with a record of his absences and department.

Reports concerning individual students will also be furnished by the Dean at any time upon the request of the parent or guardian.

PRIZES.

IRVING-CICERO LITERARY PRIZE CONTEST.

For several years a spirited and friendly rivalry has existed between the two literary societies of the Academy. As a result of this the societies held for several years a public contest with no reward in view except that of the honor of being victor.

To stimulate the desire for honor and to encourage faithful work in the societies, the Faculty of the University adopted the following resolutions:

1. That the contest be held between the holiday recess and the close of the first semester of each year.
2. That the winners of the contest in Declamation and Essay be granted each a scholarship for the second semester of the current school year.
3. That the winners of the contest in Oration and Debate be granted each a scholarship for the two successive semesters following that in which the contest is held.

SHERWIN SCHOLARSHIP PRIZES.

H. A. Sherwin, Esq., of Cleveland, has established in the Academy a first and second prize of \$50 and \$25, respectively. These prizes are unique in their terms. The conditions of award are changed every year, and are announced only at the close of the year. Excellence in general scholarship with personal merit, excellence in Greek, excellence in Latin, and acquaintance with matters of current interest have been made the basis of award in different years since the prizes were established.

ATHLETICS.

Besides holding membership in the general athletic Association of the University entitling them to all the privileges of that organization, the students of the Academy have their own athletic association and maintain their own teams in the various branches of sport. Their athletics are supervised by a board of athletic control and a graduate manager. Contests in football, basket ball, and baseball are held with the more important high schools in this section of the State.

GRADUATION APPOINTMENTS.

THE HONOR MEN.

The member of the graduating class whose average standing during the Junior Year and the first semester of the Senior Year is highest, is the last speaker on the programme of Graduation Day, and is called the Valedictorian. To the member of the class whose rank is next highest, is given the first place on the programme with the title of Salutatorian. No student who has not recited with the classes of the Academy in at least twelve full studies during these three semesters can receive either of these appointments.

OTHER SPEAKERS.

Every student who is eligible to the Diploma of the Academy writes an oration, and, having signed it with a fictitious name, hands it to the Dean of the Academy before April 15. The orations thus prepared are read to a committee whose members are ignorant of the authorship of the productions, and those four that are considered best are selected as the orations to be presented at the graduating exercises of the Academy.

EXPENSES.

The following is a summary of the principal necessary expenses during the Academic year:

Tuition, \$22.50 each semester	\$45.00
Room rent, including furnishing, lighting, heating and care, \$17.50 to \$25.00, according to location	\$35.00 to \$50.00
Incidentals, including Gymnasium and Library fees, \$20.00 each semester	40.00
Books	12.00
Board, 39 weeks	90.00
Washing	12.00
Incidentals	10.00
Total	\$ 244.00 to \$ 259.00

The Laboratory fee for students in *Chemistry*, *Physics*, *Physiology* and *Botany* is \$2.00 per semester, and for *Physical Geography*, \$1.00.

The fee for Diploma at Graduation is two dollars.

Fee for late registration, 50c. on second day of the term and \$1.00 after second day.

A fee of \$2.00 is charged for each special examination.

Board in clubs costs from \$2.35 to \$2.75 per week; in families, \$3.00 to \$3.50. When board costs over \$2.35 per week, the excess must be added to the estimate given above. Many students reduce their expenses below that sum. Rooms in the village are always to be had at prices ranging from 50 cents per week up. In the estimate above, reference is made to rooms in the dormitories, and includes heat, light, furniture and baths.

All bills are to be paid, or satisfactory security for their payment must be lodged with the Treasurer, at the beginning of each semester, before students take their places in their classes. No charge for tuition, room rent, or incidentals will be for less than half a semester.

Text-books and stationery can be obtained at the Denison Book Exchange, or in the village.

The really necessary expenses of a student for a year, exclusive of clothing and traveling, are about \$250.

MISCELLANEOUS.

Government.

It is the desire to establish and maintain a relation of confidence between teacher and pupil, and to stimulate those sentiments which mature into Christian manhood. Students are encouraged in self-government, and to this end the greatest possible freedom is accorded them; but they are continually taught the difference between liberty and license, and the duty of practicing that self-denial which is necessary to the highest good both of themselves and of their fellows. While it is the aim of this school to do all the good possible to every student, it is in no sense a reform school, and no student whose influence is found to be injurious will be suffered to remain.

Moral and Religious Influences.

The whole life and administration of the school, without being sectarian, are pronounced and positive in favor of the Christian religion. The exercises of each day include Scripture reading and prayer in the Chapel. This service the students are required to attend. They are also expected to attend Church twice each Sunday. Two regular weekly prayer meetings are sustained by the students. Members of the Academy are made welcome in the various Sunday Schools of the village. In the Baptist Sunday School, several classes, taught by College and Academy Instructors, are intended expressly for students.

Scholarships.

By a vote of the Board of Trustees the President of Denison University may remit the tuition of a limited number of students in cases of necessity. A few scholarships, surrendered by the original purchasers, are under the control of the Faculty, and are assigned by them at the beginning of each year.

Voluntary Societies.

There are connected with the Academy and conducted by the Students, two literary societies—the Ciceronian and the Irving. Each society has its own hall, which is neatly and tastefully furnished, and in which it holds weekly meetings.

The students of the Academy are also admitted to membership in the Denison University branch of the College Y. M. C. A., in the Scientific Association and in the Athletic Association of Denison University.

Public Exercises.

During the year the Literary Societies each hold three special public meetings—an "Extra" at about the time of the Thanksgiving recess, an "Annual" during the Winter, and a "Commencement" toward the close of the year. The graduating exercises of the Academy are held during the Commencement week of Denison University. Members of the class completing the work of the Academy participate in the programme. The

diploma of the Academy is given to each student who completes in a satisfactory manner any of the regular courses of study.

Dismission.

No student who leaves the school before the close of a semester will be considered as having honorably severed his connection with the Academy unless he has been duly dismissed by the Dean.

Any further information may be obtained by communicating with the Dean of the Academy.

HONORS AND PRIZES FOR 1908.

First Honor, Scholarship Philander Sheridan Bradford
 Second Honor, Scholarship Carl King Boyer

Competitive Orations.

William Evans Lewis, Linden Rine Wilson.

The Sherwin Prizes.

First Prize, \$50.00 Warren Dempsey Miller
 Second Prize, \$25.00 Carl King Boyer

The Cicero-Irving Contest Prizes.

Declamation William Clarence Deer
 Essay Karl Henry Eschman
 Oration Edgar John Phillips
 Debate Edgar Warren Waybright

SCHEDULE OF RECITATIONS.

		7:45-8:45	8:45-9:45	10:00-11:00	11:00-12:00	1:30-2:30	2:30-3:30
FIRST YEAR		Latin I, 5	Algebra I, 5	History I, 5		(Latin I) 5	English I, 3
SECOND YEAR		History II, 3	Latin II, 5	(German I)	English II, 4	(Laboratory 2)	Physiology and Botany 5)
THIRD YEAR	CLASSICAL	Geometry, 5			Latin III, 5	English III 3	Greek I, 5
	SCIENTIFIC	Geometry, 5 Chem. Sec. I Rec. W & F. Lab. Tu & Th	(French I) Chemistry Lab. Tu & Th	(German I) Chem. Sec. II Rec. W & F. Lab. Tu & Th	(Latin III, 5) Chemistry, 5) Tu & Th Lab	English III, 3 (Laboratory 2)	(Physical Geography 5)
	PHILOSOPHICAL	Geometry 5	(French I)	(French I 5)	Latin III 5	(Greek II 5) English III 3 (Laboratory 2)	(Chem. or Phys. Geog., 5)
FOURTH YEAR	CLASSICAL		English IV, 3	Doubler's Greek, 5	(Physics, 1st sem., 2½)	Greek II (Solid Geom., 1st sem., 2½) Algebra II 2½	Latin IV, 5
	SCIENTIFIC	(German II, 5)	English IV, 3	(Laboratory, 2)	Lab. Tu & Th Physics 5 Rec. M., W., F	(French II) Solid Geom. and Algebra II, 5	(French II, 5) (Latin IV, 5)
	PHILOSOPHICAL	(German II, 5)	English IV, 3	(D's Greek, 5) (Laboratory, 2) (Greek III, 4)	(Physics, 1st sem., 2½)	(German II) (Solid Geom., 1st sem., 2½) and (Algebra II, 2½)	Latin IV, 5

IV. Conservatory of Music.

FOREWORD.

Music in some form has always been taught in the educational institutions of Granville. At first and for many years the work was semi-private in character, but growing constantly larger and more important, was taken under the management of Shepardson College for women. The rapid growth of the last ten years led to the acquisition of a suitable building for teaching and practicing, and the building of a Recital Hall, one of the most perfect halls, acoustically, in the State. In 1900, the College and University were united, making it a co-educational institution, and the Conservatory of Music a part of the University proper.

Musical instruction in the college curriculum has long ceased to be an experiment. Each year more colleges and universities all over the country are recognizing music in one or more of its branches as a legitimate and desirable part of a liberal education. Denison University has been notably progressive in this regard, first by granting college credit for work done in the theoretical course of the Conservatory, on an equal footing with any other elective study, and secondly by establishing recently, under the group system described elsewhere, one group leading to the degree of B. Ph., with Theory of Music as the major subject. This close affiliation between College and Conservatory has greatly encouraged the increasing enrollment of students from the literary departments of the University, who may not wish to become professional musicians, but who do wish to acquire a comprehensive knowledge of music without having to add the work to the full burden of their college course.

In the Denison University Conservatory of Music the endeavor has always been to require of students, especially candidates for the Conservatory Diploma, the broadest possible education, not only in music, but in other branches as well. It

is understood that no student can do thorough musical work without at least the foundations of a liberal education. For this reason especial attention is called to the academic studies required for graduation.

In the so-called Theoretical Courses the object is not alone to develop the latent powers of possible future composers, but to educate pupils in the intelligent appreciation and criticism of music. To this end, considerable time is taken in all the classes for the discussion and analysis of the best examples available bearing on the subject under consideration. At the same time, the emphasis is laid on technical study and original work, as being the best foundation for the study of the works of the masters. The detailed announcement of these courses will be found on another page.

The Conservatory has recently acquired a Piano Player, with a comprehensive selection of roll music and the printed music accompanying it. This constitutes a library of music which is being constantly added to, and is not the least important part of the school's equipment, since by its use in the classes and independently by the students the latter become familiar, through repeated hearing, with the best in the literature of music. The machine is also used in public lectures on music, thus covering a large field of usefulness. These lectures have been illustrated by means of lantern slides which are prepared especially in the laboratories of the University.

The large number of concerts and recitals given each year by outside artists, by members of the Faculty, and by the various ensemble organizations of the Conservatory, afford, it is believed, greater opportunities to hear good music well executed than are enjoyed by many larger schools of music.

The standard of efficiency of graduates of all departments of the Conservatory is growing constantly higher, due to the gradual strengthening of the course of study and the broadening of the requirements for graduation. With the addition of the new Theoretical and Normal work, the Conservatory is able to offer, in many directions, as thorough a course as any school in Ohio.

FACULTY.

CARL PAIGE WOOD, A. B. m. c. l., A. M., *Chairman*
Theory and History of Music.

Final Honors in Music, Harvard University, 1906. Studied with John K. Paine, Frederick S. Converse, and Walter R. Spalding, and at the New England Conservatory with Wallace Goodrich and Henry M. Dunham.

FANNIE JUDSON FARRAR,
Head of Piano Department.

Pupil in Piano of J. Emil Ecker, Toledo, Ohio; Constantin Sternberg, Philadelphia; Bertrand Roth, Dresden; Tobias Matthay, F. R. A. M. and Claude F. Pollard, A. R. A. M., London. Student in Vienna in 1894. Pupil in Musical Kindergarten of Mrs. Fannie Church Parsons, Chicago.

ELIZABETH THOMPSON WILSON,
Head of Voice Department.

Pupil of Herman Schirner, and Harry Brown Turpin, Columbus, O.; George Magrath, J. G. Bierck, A. Buzzi-Peccia, New York.

ELIZABETH M. BENEDICT,
Organ and Piano.

Pupil of Harrison Wild, Chicago, Ill., in Piano and Organ. Pupil of Alexander Guilmant in Paris, summer of 1907.

DOROTHY KIBLER,
Teacher of Piano.

Graduate of National Conservatory of Music under Rafael Joseffy and Max Vogrich.

REGINALD L. HIDDEN,
Teacher of Violin.

Director of Orchestra. Student for three years in the Leipzig Conservatory under Sitt and Becker. Two years in

Berlin under Halir of the Royal High School of Music. Two years in Prague as a private pupil of Seveik.

BERTHA ELIZABETH STEVENS,
Assistant in Piano.

Graduate of Denison University Conservatory of Music,
1907.

INEZ WINDERS,
Assistant in Voice.

DEPARTMENTS OF INSTRUCTION.

- A. Course in Piano.
- B. Course in Voice.
- C. Course in Violin.
- D. Course in Organ.
- E. Course in Theory and History. 1-2, Solfeggio; 3-4, General Theory; 5-6, History of Music; 7-8, Harmony; 9-10, Counterpoint; 11-12, Musical Form; 13-14, Canon and Fugue; 15, Vocal Counterpoint; 16, Free Composition.
- F. Ensemble Classes: (a) Chorus, (b) Orchestra, (c) Piano, (d) Normal Training, (e) Shepardson Glee Club.

A. Course in Piano.

To this course is added the principles of expression, which in connection with a good tone production, constitute the secret of playing with expression, as far as it can be taught.

It is a difficult matter to specify a set course adapted to the needs of all pupils, so it has seemed best to suit the work to the individual requirements.

Great care is taken that the foundation work be most thorough, and tone production is made the first object of technical study, followed by facility and velocity.

B. Voice.

True cultivation of the voice involves the study of the con-

trol of the entire body. Wrong voice production is the result of wrong mental and muscular action.

Special attention is therefore given to correct standing position, perfect control of breath, freedom of throat, agreeable facial expression and distinct enunciation. It is intended to follow closely the ways of the great English masters, who combine the best elements of the old Italian school (represented by Lamperti) with certain ideas belonging to the German school.

Beside teaching the right use of the voice, so that the tone shall grow in strength and beauty, it is the aim to train the pupils so that they shall read music quickly and accurately, and to give them also true ideas of interpretation.

The studies and songs used are varied according to the needs of the pupil. The works of Abt, Concone, Seiber, Panofka, Nava, Lamperti, Marchesi and Bordogni are studied. All grades of songs are used from the simple English song to the opera and oratorio arias.

C. Violin.

It is practically impossible to prescribe a set course for students of the Violin since each one naturally presents a widely different problem to be solved. No separate grades of study therefore appear in this catalogue. The first attention is given to study of correct tone production. After a good tone is acquired the left hand is trained technically to develop strength, surety and facility. After these have in some measure been attained the study of etudes, and pieces, including sonatas and concertos, old and modern, is taken up.

When sufficiently advanced, pupils are admitted to the Conservatory Orchestra, and this experience is considered an important and valuable part of the course.

D. Course in Organ.

A certain facility at the piano and in sight-reading is necessary before the course can be entered. A good organ touch, comprising legato and staccato playing, steadiness and smoothness of style, are the objective aims.

Rink's Organ School, Buck's Studies in Phrasing and Bach's

Little Preludes and Fugues compose the ground work of study. This is followed by sonatas by Mendelssohn, Merkel, Guilmant, selections by Widor, Dubois, Boellman, Lemare, Best, Hollins, Buck and Parker.

Special attention will be given to hymn playing, accompanying and registration to meet the practical needs of church work.

E. Theoretical Studies.

1, 2. *Solfeggio*.—MISS FARRAR.

Two half-hour periods per week, both semesters. This training, or a satisfactory equivalent, is now required in all departments of students in the Diploma course. The pupil is trained to sing at sight, to write melodic phrases when these are played or sung, and to recognize by ear intervals, simple chords and their inversions, and simple harmonic progressions. As soon as exercises composed in the major keys, and with easy rhythm, have been written at dictation and sung solely by number, that is, by scale degrees, then the various intervals, rhythms, modes and modulations are taken up, until the most difficult passages of modern vocal pieces are reached.

3, 4. *General Theory*.—MR. WOOD.

Two hours per week, both semesters. Monday and Thursday, 8:30 A. M. This work, or its equivalent, is a required introduction to all higher courses.

In the first semester the elements of music are briefly summarized, and the modern system of musical notation is completely studied, including practice in writing the several diatonic and chromatic scale-forms, familiarity with the ordinary signs and directions used in music, and the analysis of rhythms. The text-book is "The Structure of Music," by George C. Gow.

In the second semester are studied the laws of acoustics on which depend the production and the character of musical tones. The human organs of hearing and of speech are described, and a theoretical study is made of the construction and qualities of various orchestral and other instruments. Ample practice in

transposition and the use of all the clefs is insured in the arranging of scales, etc., for the different instruments. The work concludes with an elementary study of intervals and triads, with their inversions, preparatory to the course in Harmony.

5, 6. *History of Music.*—MR. WOOD.

Four hours per week, both semesters. Monday, Tuesday, Thursday and Friday, 1:30 P. M.

This is a literary course, and requires no special technical preparation beyond a practical knowledge of instrumental or vocal music. It is suggested, however, that it be preceded if possible by courses 3-4.

The work consists largely of independent reading and comparative study by the student, with written reports, tests and theses. The emphasis is laid on investigation of the far-reaching causes and effects of the various phases and the interrelations of the different periods in the evolution of the art, rather than on the memorizing of names and dates.

No single text-book is prescribed for the class, but one or more of the following histories of music is used, supplemented by the Conservatory reference library of 275 volumes: W. S. Pratt, W. J. Baltzell, A. L. Judson, Edward Dickinson and C. H. H. Parry.

7, 8. *Harmony.* MR. WOOD.

Four hours per week, both semesters. Monday and Friday, 11:00 A. M., and Wednesday 10:00 to 12:00.

Prerequisite, courses 1 to 4, or their equivalent. Knowledge of the pianoforte equivalent at least to the ability to play an ordinary hymn-tune at sight is necessary in the study of harmony.

Review of intervals and triads; dominant and secondary seventh chords with their inversions; passing notes; ninth chords; suspensions; augmented and altered chords; modulations; organ-point. The work consists of exercises on figured and unfigured basses, and the harmonization of melodies for three and four voices. These are written both on the blackboard

and outside the class-room, and corrected and discussed by the instructor. After revision the exercises are copied into note books and kept for reference.

The text-book is "Modern Harmony" by Foote and Spalding. Prout's "Harmony" and others are used for supplementary exercises and examples.

9, 10. *Counterpoint*.—MR. WOOD.

Four hours per week, both semesters. Tuesday and Thursday, 10:00 to 12:00 A. M. Prerequisite, courses 7-8.

Some proficiency in piano playing is necessary. The principles of harmony are applied to the melodious treatment of two or more voice parts in combination. The work includes free harmonization of choral melodies, two and three part counterpoint in the several orders, contrapuntal and imitative treatment of cantus firmus in different voices.

Spalding's *Tonal Counterpoint* is the text-book, with Prout as a work of reference, and examples from the works of Bach and others for analysis.

11, 12. *Musical Form*.—MR. WOOD.

Two hours per week, both semesters. Monday and Friday, 10:00 A. M. Prerequisite, courses 7-8.

This course has for its ultimate aim the intelligent appreciation of music by the average listener as well as by the trained musician, and a wide acquaintance with the best in music. While it cannot be taken to advantage without a knowledge of harmony, it may by permission be taken in the same year as courses 7-8.

Study of thematic construction and elements of composition, consisting chiefly of the analysis (both in the class-room and independently by the student) of the principal instrumental forms, as illustrated by the works of the great composers, classic and modern. These works are so far as is possible, actually performed in class, sometimes with the aid of soloists from the Faculty. Symphonies and other orchestral works are repre-

sented by four-hand piano arrangements, or more often rendered by the piano player.

This latter is an invaluable adjunct to the equipment of the course, since with its aid students can by constant repetition become familiar with symphonic and other works to a degree not otherwise possible. Practice is given in the construction of the smaller musical forms, such as hymn-tunes, and the dance forms of the classic suite.

The text-books are Prout's "Musical Form" and "Applied Forms." Collateral reading is assigned from time to time.

13, 14. *Canon and Fugue*.—MR. WOOD.

Two hours per week, both semesters. Tuesday and Friday, 8:40 A. M. Prerequisite, courses 9-10.

Proficiency in pianoforte or organ playing is necessary. This course consists of the analysis and composition of the advanced forms of polyphonic music, and therefore requires a thorough command of the technique of harmony and counterpoint. It is a necessary preparation for the larger and freer forms of composition. The treatises on the subject by Prout and Jadassohn are used.

15. *Vocal Counterpoint*.—MR. WOOD.

Two hours per week, first semester. Wednesday, 1:30 to 3:30 P. M. Prerequisite, courses 9-10.

The contrapuntal facility acquired in the earlier courses is applied to the making of original vocal settings of selected texts. Considerable time will be spent in analysis of standard choral works and solo songs. The students will compose short pieces for men's voices, for women's voices, and for mixed chorus, unaccompanied. Later various types of accompaniment figures will be studied, and settings will be made with piano or organ accompaniment. Solo songs for the various voices will also be written.

16. *Free Composition*.—MR. WOOD.

Two hours per week, second semester. Wednesday, 1:30 to 3:30 P. M. Prerequisite, courses 9 to 13.

The work will consist of the analysis and composition of vocal and instrumental music in the larger forms, with instruction and practice in writing for orchestral instruments separately and in combination.

F. Ensemble Classes.

(a) *Conservatory Chorus*.—MRS. WILSON, *Director*.

The Chorus is open to all members of the University by examination. The annual dues are \$1. At least one principal concert is given annually, with the assistance of the Orchestra and soloists from outside. During the past two years, Geibel's "Nativity," Rossini's "Stabat Mater," and Mendelssohn's "Hymn of Praise" have been the larger works sung.

(b) *Conservatory Orchestra*.—MR. HIDDEN, *Director*.

An organization not limited to students regularly enrolled in Conservatory classes, which affords any one of sufficient ability the opportunity to play classical and modern compositions under efficient direction. Rehearsals are held weekly, and the orchestra assists the Chorus in presenting oratorios and cantatas, besides giving instrumental programmes independently. Membership in the orchestra is free.

(c) *Piano Classes*.—MISS FARRAR.

Ensemble classes are maintained in Piano, both Duet and Quartette work being done. The classes are free, and this work is required of all pupils sufficiently advanced.

(d) *Normal Class*.—MISS FARRAR.

This course is offered primarily at the request of piano students, but will include nothing not of advantage to any music student who intends to teach, since the study of the piano is necessarily the foundation for the teacher of any branch of music.

The course will present the best methods of teaching notation, rhythm, elementary theory, the relation of psychology to music, the principles of expression for interpretation, applicable to the rendition of all music, and the principles of tone-production on the piano.

The class will meet one hour a week for both semesters.

The fee will be \$4.00 per semester. One semester of Theory or one semester of Solfeggio are required for entrance. The course may be extended and broadened later if the demands seem to warrant it.

(e) *Shepardson Glee Club*.—Mrs. WILSON, *Director*.

During the past year the Club has been reorganized under a new Constitution. The President and other officers of the Club, with the exception of the Director, are students. Admission to membership is by examination. The Club gives its annual concert each May.

Expenses by Semester.

Tuition in Pianoforte, Voice, Violin, or Organ*—two half-hour lessons per week	\$30.00
Tuition in Pianoforte, Voice, Violin, or Organ*—one half-hour lesson per week	17.00
Tuition in Pianoforte or Voice under Head of Department*—two half-hour lessons per week	40.00
Tuition in Pianoforte or Voice under Head of Department*—one half-hour lesson per week	22.00
Tuition in Harmony, Counterpoint, or History of Music*—class lessons four hours per week	8.00
Tuition in Form, Canon and Fugue, or Composition*—class lessons two hours per week	8.00
Tuition in General Theory*—class lessons two hours per week	4.00
Tuition in Normal Class—one hour per week	4.00
Solfeggio	Free
Rent of Piano, per hour	.05
Rent of Pedal Piano, per hour	.10
Rent of Organ, per hour	.15

REQUIREMENTS FOR GRADUATION

Theoretical Studies.

Theoretical work required in all departments is two semesters each of Solfeggio, General Theory, Harmony, Counterpoint, History of Music, Analysis of Form, Canon and Fugue. In the voice and violin departments pupils are required to pursue the study of the piano sufficiently (two semesters at a minimum) to enable them to read easy accompaniments at sight.

Academic Studies.

In addition to the musical studies required, candidates for graduation must satisfy the full requirements for entrance to the

*Tuition Fee includes use of library and sheet music.

Freshman Class of Denison University, and in addition, complete one year of a modern language (French, German, or Italian). The presentation of evidence that this work has been completed elsewhere will be accepted upon the same terms as in Denison University.

Diploma Course.

The Conservatory Diploma is granted to students who have completed the course of study prescribed for their particular department, and have given evidence of requisite musical ability. Candidates for the Diploma must give proof of artistic ability by giving a public recital in their Senior year.

Certificates.

To students completing prescribed work, but not desiring to make a specialty of public performance, a certificate will be granted, indicating the amount and character of the work done in the Conservatory.

GENERAL INFORMATION.

Students may enter the Conservatory at any time (except for the organized theoretical classes), but may not register for less than a half-semester, unless by special arrangement. Unless otherwise specified, all registration is for the entire semester. In case of illness, or other sufficient reason, however, students withdrawing before the middle of a semester may receive a rebate of a trifle less than half their tuition fees.

The Sheet Music Library furnishes most of the necessary music for students, including a selection of symphonies, sonatas, etc., in duplicate for analysis by the classes in theory. The fee for the use of this music is included in the tuition fee.

A Music Store is maintained by the Conservatory, through which students can order music and books at discount prices. Small supplies, such as music tablets, etc., are kept in stock.

The Conservatory is equipped with ten practice pianos of

the highest grade. Hours and rooms for piano or vocal practice may be arranged for at the time of registering.

All students are under obligations to perform at the regular recitals, according to the direction of the teacher, and are not allowed to perform in public without the consent of the teacher.

Pupils' recitals take place fortnightly throughout the year, and pupils are required to attend. A public Term Recital is given at the end of each semester, at which the more advanced pupils appear.

Artists' recitals occur during the year, which pupils are enabled to attend by the payment of a small fee. Nearly all the other recitals are free.

During the last few years the following artists have appeared in Granville: Mme. Lawson, Soprano; Cleveland Philharmonic String Quartet; Oley Speaks, Basso; Dr. Henry G. Hanchett, Pianist-Lecturer; Leroy McMakin, Violinist; William Sherwood, Pianist; Augusta Cottlow, Pianist; Ernest Gamble, Basso; Spiering String Quartet; Genevieve Clark-Wilson, Soprano; Cecil James, Tenor; Julian Walker, Basso; Mrs. Lucile Stevens Tewksbury, Soprano; Cincinnati Symphony Orchestra; William Harper, Basso; Columbus Symphony Orchestra; Olive Mead String Quartet, and others.

During the past year a Musical Club has been organized by the students of the Conservatory. It stands in somewhat the same relation to the Conservatory that the several Literary Societies hold to the University. Meetings are held monthly, and the programmes are in the hands of the students.

For further information in regard to the Conservatory of Music, address Carl Paige Wood, Chairman of the Faculty, Granville, Ohio.

V. School of Art,

LAURA B. PARSONS, Director.

EVA LYLES, Assistant.

Drawing, Painting, Composition, and Designing.

CARRIE MARIE HOWLAND,

China Painting.

LAURA B. PARSONS,

Arts and Crafts.

HARRIET M. BARKER,

History of Art.

The Art Course is arranged as follows:

I. CHARCOAL DRAWING.

FIRST GRADE.

Geometrical solids in outline—also in light and shade.

Principles of elementary perspective.

Cast drawing from historic ornament; masks; hands and feet; details of human face.

Simple studies from still life.

SECOND GRADE.

Advanced cast drawing from the antique. More elaborate studies from still life. Sketching from life. Designing.

THIRD GRADE.

Cast drawing continued from the full length figure.

Drawing from life costumed model. Composition.

II. WATER COLORS AND OIL.

In this work thorough study is given to Composition, Color, Textures, Values, Light and Shade.

Water color painting is taught according to the French and

English method, great attention being given to technique. Out-of-door sketching is taught during the entire course.

The class in China painting has a studio of its own. This work is developed according to the best and most modern methods in technique and design.

III. ARTS AND CRAFTS.

Owing to the increasing demand for instruction in hand work, a finely equipped shop has been added to the department, where courses are given in Venetian iron-work, brass and copper, pottery, stenciling, and elementary wood work.

In addition to the courses described above, the Director of the Art School offers a one hour course in Free-hand drawing, open to all Freshmen who may need it in order to meet the requirements of some particular group, or may desire it for purposes of their own. College credit is allowed for this work in any of the regular courses.

GENERAL INFORMATION.

Those registered for regular work in the Art School are admitted, free of charge, to the Class in History of Art, which embraces the study of architecture, sculpture, painting and the lives of the great masters. These courses in History of Art must be taken as a condition of graduation. A thesis in art is required from each applicant for graduation.

An Art Reception will be given during Commencement week, at which time the work done in the studio during the year will be on exhibition. For this reason it is important that the work be left in charge of the Director of the Department until the close of the year.

The Art graduates are invited to leave one specimen, each, of their work, as a gift to the College.

Pupils will receive certificates from the Art Department after having completed the required course of three years. No

such certificate will be given, however, to any student whose general educational attainments are not sufficient to admit to Freshman standing in the University.

TUITION.

The tuition is the same for each semester, as follows:

Painting, Water Colors	\$21.00
Oil Colors	21.00
On China	21.00
Pastel	18.00
Black and White	18.00
Arts and Crafts	21.00
Pyrography—ten lessons	5.00

SOCIETY OF THE ALUMNI.

The Society of the Alumni reaches the fiftieth anniversary of its organization in June, 1909. Its first President was William P. Kerr, of the Class of 1845, who died in Granville in 1882, after an honorable career as an educator, a classmate of Dr. William Ashmore, now the oldest living alumnus. Edward M. Downer, of the Class of 1850, was chosen Vice President, Francis M. Hall, 1856, Secretary, and Henry Fulton, 1859, Treasurer. Rev. Samson Talbot, Class of 1851, four years later to become President of the University, delivered an address on "The Importance of a Right Moral Development in Education." The Society has at various times exerted itself effectively to supply some pressing need of the University. For the year 1903-1904 its membership fees were devoted to the purchase of historical books for the Library. For 1904-1905 to the purchase of works of art for the adornment of the buildings of the University. For 1905-1906 and 1906-1907 to the preparation of the Seventh General Catalogue of the Alumni.

A bulletin of addresses and occupation of students in college classes who did not graduate will be published as soon as the material can be compiled, and an annual bulletin is now issued giving changes in addresses and occupation and other important personal information concerning the alumni. The fees and contributions of the members of the Society for the year 1908-1909, after deducting necessary expenses, will go to the University Library.

The officers of the Society for the current year are:

President.....	REV. FRANK RECTOR, D. D., '78
Vice-President.....	HARRY W. AMOS, Esq., '99
Secretary-Treasurer.....	PROFESSOR W. H. JOHNSON, '85

EXECUTIVE COMMITTEE.

<i>Chairman</i> , BUNYAN SPENCER, B. D., '79.
PROFESSOR GEO. F. MCKIBBEN, Ph. D., '75.
OSMAN C. HOOPER, Esq., '79

DEGREES CONFERRED, JUNE, 1908.

Master of Arts.

WILLIAM GEAR SPENCER.

Master of Science.

JESSE ALLEN BAKER.

EARL READ SCHEFFEL.

Bachelor of Arts.

EARL RANKIN BULL.

JOSEPH HOWELL LLOYD.

MILLARD LESLIE LOWERY.

FRED R. McARTHUR.

MILLARD FILMORE MEADOWS.

JOHN CRISWELL SWARTZ.

AMORINE MONTGOMERY WILSON.

DOROTHY HELEN BUDD.

BERTHA ANNA HEACOCK.

GERTRUDE LOUISE PHILLIPS.

BEULAH RECTOR.

ANNE SORENSSEN.

*CARLETON WILLIAM ATWATER.

Bachelor of Science.

FRANK ASHMORE.

ALEXANDER HEGLER BALLARD.

RAYMOND SPENCER CARMAN.

ARTHUR BILLINGS CHAFFEE, JR.

RAYMOND CLYDE DITTO.

ROBERT FOSS HAMILTON.

HORACE MCKEE HUFFMAN.

CLYDE WAREHAM IRWIN.

THEODORE SEDGWICK JOHNSON.

CHARLES HOLLAND KESLER.

CHUN YIN LIU.

THEOPHILUS REESE WILLIAMS.

EVA ANTOINETTE DAVIS.

LOTTIE CLARIBELL GRANDSTAFF.

RUTH PICKERING.

OLIVE MARIE RUSLER.

Bachelor of Philosophy.

ELSIE HEATER.

CLEARBORN CLYDE HOLLOWAY.

JOHN HOWARD MALONEY.

WILLIAM B. STORM.

JAMES HAROLD THOMAS.

BLANCHE AUBREY BLACK.

ELEANOR HARRIET CHAFFEE.

IRENE NAOMI CONLEY.

ADA MAY DINKLEMAN.

BERTHA ANNA FETZER.

LOTTIE SWEET GRAHAM.

ULA MAY JOHNSON.

MARGUERITE MARY JONES.

MARION SUSAN LAMB.

LELA BURNELLE MONTGOMERY.

IVY ORDILLA McNEIL.

MARY EDNA McNEIL.

MARIA EMILY NICHOL.

ADDIE MAY SLACK.

RUTH SPIGER.

*WILLIAM HENRY FOWLE.

* The work of Mr. Atwater and Mr. Fowle was substantially completed with Class of 1907.

STUDENTS IN GRANVILLE COLLEGE CLASSES.

Graduate Students.

MILLARD LESLIE LOWERY, A. B., History, Physics and Chemistry, <i>Monroeville</i>	
ROBERT MORRIS WYLIE, A. B., Physics, Mathematics and Chemistry, <i>Granville</i>	
ETHOL BRILLHART, B. Ph., Language and History.....	<i>Newark</i>
BERTHA A. FETZER, B. Ph., Biology.....	<i>Rochester, N. Y.</i>
OLIVE M. RUSLER, B. S., Geology.....	<i>Granville</i>
ANNE SORENSEN, A. B., History.....	<i>Omaha, Neb.</i>

Senior Class.

JAMES DUNCAN ADAIR, Sc.....	<i>Xenia.</i>
PAUL WILLIAM ALEXANDER, Cl.....	<i>Toledo.</i>
WILLIAM ALBERT ASHBROOK, Sc.....	<i>Pataskala.</i>
WILFRED CONAWAY BOLIN, Sc.....	<i>Newark.</i>
SAMUEL GAITHER BRIDGES, Cl.....	<i>Granville.</i>
CHARLES AUGUSTINE CARMAN, Cl.....	<i>Granville.</i>
EARL HOWARD CHITTENDEN, Sc.....	<i>Euclid.</i>
CLARENCE DALE COONS, Sc.....	<i>Pataskala.</i>
GEORGE HORACE CROWL, Sc.....	<i>Dayton.</i>
ALVA CHARLES EARLEY, Cl.....	<i>Detroit City, Minn.</i>
THEODORE GEORGE ERLER, Cl.....	<i>Toledo.</i>
JAMES HARRY FORSYTHE, Sc.....	<i>Granville.</i>
HEBER HOWARD GIBSON, Ph.....	<i>Gibson.</i>
WILLIAM OLIVER GREENE, Ph.....	<i>Urbana.</i>
LINN WHEELER HATTERSLEY, Cl.....	<i>Norwood.</i>
GEORGE L. HERSHBERGER, Cl.....	<i>Newark.</i>
ELMER ELLSWORTH HOPKINS, Cl.....	<i>Granville.</i>
RUSSELL JACOBS, Sc.....	<i>Ball Ground, Ga.</i>
KENNETH LEE JEWETT, Sc.....	<i>Aberdeen, S. D.</i>
PARRY RAYMOND JONES, Sc.....	<i>Granville.</i>
CLARENCE WORTHINGTON KEMPER, Cl.....	<i>Freemansburg, W. Va.</i>
CLARENCE KEYSER, Sc.....	<i>Jefferson.</i>
WALTER LIVINGSTON, Sc.....	<i>Piqua.</i>
JAMES FRANKLIN McDONNELL, Cl.....	<i>Postboy.</i>
KIRTLEY FLETCHER MATHER, Sc.....	<i>Chicago, Ill.</i>
FRANCIS FAYETTE PATRICK, Ph.....	<i>Joliet, Ill.</i>
HARRY LEE PINE, Ph.....	<i>Newark.</i>
THOMAS DAVID REES, Cl.....	<i>New Castle, Pa.</i>
CARL ARLO ROCKWOOD, Sc.....	<i>Granville.</i>
HARRY EDMUND RODGERS, Sc.....	<i>Dayton.</i>
LEROY DUANE SARGENT, Ph.....	<i>Granville.</i>
HOMER DAVID SWYGERT, Ph.....	<i>Pataskala.</i>
WALTER ROBERT TAYLOR, Cl.....	<i>Toledo.</i>
CHARLES WAYLAND THOMAS, Ph.....	<i>Dayton.</i>

VICTOR ROLAND TURNER, Sc.	Waynesfeld.
HARVEY JUDSON WALKER, Ph.	Granville.
WILLARD SPANGLER WILLIS, Sc.	Washington, C. H.
RAY OTTO ZIMMERMAN, Sc.	Perryville.

Junior Class.

SHERMAN JACKSON BAGGS, Ph.	Newark.
EARL RAYMOND BEBOUT, Ph.	Alexandria.
ALBERT WATSON DAVISON, Sc.	Alexandria.
AARON ABRAHAM DICK, Ph.	Mountain Lake, Minn.
ALBERT MILTON DIXON, Cl.	Zanesville.
CARL FREDERICK DUERR, Cl.	Dayton.
ROBERT CONANT DUNN, Sc.	Bowling Green.
ROBERT WILLIAM FLACK, Ph.	Springfield.
EARL HARRINGTON FOOTE, Sc.	Medina.
ROSCOE DEAN HART, Sc.	Toulon, Ill.
VICTOR HUGO HOPFE, Cl.	Akron.
CLAUDE JACQUART, Sc.	Paris, Ill.
JOSHUA LEE JONES, Ph.	Canton.
LOYD VESPER MINKAR, Ph.	Springfield.
JOHN MITCHELL, Cl.	Lorain.
WARREN LELAND MORRIS, Ph.	Nottingham.
CLARENCE JUNIUS MCGEE, Ph.	Gibson.
HARRY ELDON ORR, Cl.	Newark.
FRED GUY SMITH, Sc.	Alexandria.
THURMAN FRED SOWERS, Cl.	Portsmouth.
CHARLES JAMES STEWELL, Cl.	Cleveland.
BIRNEY RAY WALKER, Sc.	Ashtabula.
CHESTER CALDWELL WINTER, Cl.	Outville.

Sophomore Class.

ARCHIBALD GUINNESS ADAMS, Cl.	Newtonville, Mass.
OSCAR McNEIL ARNOLD, Sc.	Mt. Vernon.
CLARENCE EDWARD BROWN, Cl.	Bellevue.
ZO DIXON BROWNE, Cl.	Haskins.
ROBERT ORIN BURGETT, Cl.	Columbus.
NEWTON HANSCOMB CARMAN, Cl.	Granville.
HOMER WYMAN CHAMBERLIN, Sc.	Toledo.
WILFRED CURSLEY COE, Cl.	Upland, Pa.
ADELBERT BEARD CONLEY, Sc.	Newark.
JOSEPH HAYES CORY, Cl.	Jamestown.
HARRY HENRY LEWIS DEIBEL, Cl.	Fresno.
RALPH GARDNER ELVIN, Cl.	Indianapolis, Ind.
MAUDICE ALLEN GANTZ, Sc.	Troy.
CARL CHESNEY GIBSON, Ph.	Granville.

FLORENT GIBSON, Sc.	Canton.
ROBERT CLINE GILL, Sc.	Norwalk.
HUGH CLARENCE GILLESPIE, Cl.	Mt. Carrick.
FRED BARLOW HOLDEN, Cl.	Martin's Ferry.
WILLIAM PHILLIPS HUFFMAN, Sc.	Dayton.
HORACE HOLMES HUNT, Cl.	Granville.
CONSTANTINE FAITH KEMPER, Cl.	Freemansburg, W. Va.
HAROLD AUGUSTUS KESLER, Ph.	Urbana.
ASHER KING MATHER, Sc.	Chicago, Ill.
RAY CLEVELAND McMILLAN, Cl.	Canandaigua, N. Y.
CLINTON ANDREW NEYMAN, Cl.	Terre Haute, Ind.
HARMON AUSBURN NIXON, JR., Cl.	Granville.
HARL EMERSON NOTTINGHAM, Cl.	Conneaut.
ALFRED SHEPARDSON ORCUTT, Sc.	Granville.
FRED CARNOT PARKS, Ph.	Minonk, Ill.
THOMAS EMORY PATTERSON, Sc.	Piqua.
WILBUR JAY PEETS, Sc.	Toulon, Ill.
DAVID CLAYTON RAILSBACK, Ph.	Granville.
JOHN SAMUEL, Cl.	Martin's Ferry.
ERNEST GOTHARD SVENSON, Sc.	Chicago, Ill.
YITSUTARO TAKATANI, Ph.	Osaka, Japan.
LEWIS FRANCIS THOMAS, Sc.	Granville.
HARRY EDWARD THURSTON, Ph.	Chicago, Ill.
CHARLES JOHNSON WARD, Sc.	Newark.
ROBERT BURNS WHYTE, Sc.	Waukegan, Ill.
LINDEN RINE WILSON, Cl.	Letart, W. Va.
ARTHUR MAHLON ZELL, Sc.	Granville.

Freshman Class.

LOTT WHITE ADAMS, Cl.	Revere, W. Va.
HAROLD DENIS ANDERSON, Sc.	Wheeling, W. Va.
WILLIAM FREDERICK BECKER, JR., Sc.	Kelley's Island.
GEORGE ELMER BLACK, Cl.	Mt. Vernon.
REUBEN CARL BOWERS, Sc.	Hubbard.
CARL KING BOYER, Cl.	Venetia, Pa.
PHIL SHERIDAN BRADFORD, Ph.	Otsego.
SCOTT WILLIAM CAMP, Sc.	Mt. Vernon.
CARLETON WARE CAMPBELL, Sc.	Troy.
WILLIAM HENRY CUTLER, Cl.	Carthage, Ill.
ARTHUR MILTON DAVIDSON, Sc.	Tippecanoe.
ALVIN WILLIAM DE CLERQUE, Ph.	Chicago, Ill.
KARL HENRY ESCHMAN, Ph.	Dresden.
JOHN CYRUS EVERARD, Ph.	Elyria.
FRANK LESLIE FLEENER, Cl.	Dodge Center, Minn.
BEN CHARLES FORSYTHE, Sc.	Granville.
KARL WILHELM FRASCH, Sc.	Bremen.

WILLIAM DUANE FULTON, Sc.	Newark.
CLYDE JUDSON HAZEN, Cl.	Negley.
FRED MUNN HIGGINS, Sc.	Sharon, Pa.
WILLARD DIMMOCK HILL, Sc.	Cleburne, Texas.
WILLIAM EVIN HUFFMAN, Ph.	Blue Rock.
DONALD NEWTON JEWETT, Sc.	Aberdeen, S. D.
WALDO WARREN JOHNSTON, Ph.	Dayton.
KENNETH JONES, Ph.	Granville.
RUSSELL EZRA KIMMELL, Sc.	Dayton.
EDWARD PAYSON LINNELL, Cl.	Granville.
ELLSWORTH BOUTELLE LOWE, Cl.	Hinsdale, N. Y.
HAROLD CLAY MESSENGER, Ph.	Xenia.
WARREN DEMPSEY MILLER, Ph.	Dayton.
WENDELL ZERBE MILLER, Cl.	Granville.
PAUL DAVID MORROW, Sc.	Granville.
CHARLES FRANKLIN MORSE, Sc.	Cleveland.
LESLIE BATES MOSS, Sc.	Malden, Mass.
JAMES CALVIN MUNN, Sc.	LaSalle, Mich.
RAY CARUTH MCCALL, Sc.	Caldwell.
ROBERT FRANKLIN McCANN, Sc.	Sheffield, Mass.
ALVIN NILE McCARTNEY, Sc.	Dayton.
STEWART W. McCLELLAND, Sc.	Fredricktown.
ROY MORTIMER NEWMAN, Ph.	Fairport, N. Y.
JOHN WINCHESTER NORTHUP, Sc.	Kingston, R. I.
TRACY MINARD PATRICK, Sc.	Blue Island, Ill.
PHILIP WOLF PRUGH, Ph.	Xenia.
LOUIS ANTHONY RUMSEY, Sc.	Stryker.
MANLY HARRISON SHIPLEY, Sc.	Granville.
THOMAS BYRON SMITH, Ph.	Hadley, Ky.
FRED STANLEY SPERRY, Sc.	Utica.
OSCAR ALVERTON STEPHENS, Ph.	Hubbard.
HENRY WALTER STEVENS, Cl.	Connecticut.
RAYMOND B. STEVENS, Sc.	Connecticut.
CLIFFORD SCOTT STILLWELL, Sc.	Cleveland.
GEORGE HIVLING STOKES, Ph.	Xenia.
IVAN RAY TANNEHILL, Sc.	McConnelsville.
DEXTER JUNKIN TIGHT, Sc.	Granville.
HUGH CASSIUS TYLER, Sc.	Granville.
GEORGE DWIGHT UPSON, Sc.	Newark.
CHARLES EMERSON WARNER, Sc.	Granville.
STAFFORD RIDDLE WEBB, Sc.	Chicago, Ill.
WILLIS SOUTER WEBB, Cl.	Chicago, Ill.
WILBUR ST. CLAIR WHITE, Sc.	Bucyrus.
HOMER EDGAR WICKENDEN, Ph.	Toledo.
FRED ELLSWORTH WOLF, Cl.	Toledo.
DAVID ELMER WOODS, Sc.	Union City, Pa.

Special Students.

ROBERT MCBETH ALBAUGH,.....	Conotton.
CHARLES FORREST ANDREWS,.....	Dayton.
THOMAS AUSTIN CALHOUN,.....	Canton.
DONALD McMACKIN CALLEY,.....	Upland, Pa.
HUGH SAMUEL CAMPBELL,.....	Sparta, Wis.
HOWARD CLARK,.....	Utica.
WILLIAM ARTHUR CHAVEN,.....	Dayton.
HOWARD DAVIES,.....	Granville.
WALTER OLIVER DAVIS,.....	Atherton.
WILLIAM CLARENCE DEER,.....	Harbor Beach, Mich.
FREDERICK MILTON DERWACHTER,.....	Zanesville.
OSCAR LEE DUSTHIMER,.....	Thornville.
HUBERT ARTHUR ESTABROOK,.....	Dayton.
KARL RUPER FORRY,.....	Hanover.
THOMAS BROOMFIELD FRIZELLE,.....	Kasson, Minn.
CHARLES WILLIAM HOWELL,.....	Bladensburg.
CLARENCE RICHARD JONES,.....	Newark.
FRANCE CLAIR KENT,.....	Stockton, N. Y.
EDWIN ROBERT LITTLE,.....	Norwalk.
JOBANG DAZEL MARAK,.....	Singjan Sangma, Tura, Assam, India
HAROLD WISE MARTIN,.....	Hebron.
LEE ELSWORTH MOORE,.....	Newark.
CHESTER ALDRITH POE,.....	Dayton.
JOSEPH HAROLD RALSTON,.....	Massillon.
WALTER EARL RANKIN,.....	Dayton.
AUSTIN PARKER READ,.....	Granville.
CARLOS ISAAC REED,.....	Quaker City.
HARRY THURMAN REEVES,.....	Paris, Ill.
HOWARD DANA SIMKINS,.....	Newark.
HENRY B. SMITH,.....	Caldwell.
ELMER EDWARD SNEDECOR,.....	Tecumseh, Mich.
WALTER SCOTT STEWART,.....	Rochester, N. Y.
EDWARD ELTON STIFLER,.....	South Haven, Mich.
JOSEPH FRANCIS STILL,.....	Granville.
GEORGE MILLIGAN STONER,.....	White Ash, Pa.
GEORGE RUSSELL STRAYER,.....	Marshalltown, Iowa.
WINFIELD CAREY SWEET,.....	Hang Chow, China.
CHARLES REX TALBOTT,.....	Sistersville, W. Va.
HAROLD HOYS TRACY,.....	Hubbard.
ARCHIE RAY TUTTLE,.....	Mt. Gilead.
SUMIO UESUGI,.....	Granville.
WALDO FISHER WALKER,.....	Sunbury.
FRANK ALBERT WANGLER,.....	Sandusky.

STEWART AUGUSTUS WARD,	<i>Kelley's Island.</i>
EDGAR WARREN WATBRIGHT,	<i>Piqua.</i>
THOMAS HOWARD WICKENDEN,	<i>Toledo.</i>
EDMUND BLAKE WILLIAMS,	<i>Sunbury.</i>
GEORGE BRYAN WILLIAMS,	<i>Massillon.</i>

STUDENTS IN SHEPARDSON COLLEGE CLASSES.

Senior Class.

BEULAH BROOKS BROWN, Ph.....	Granville.
ANNA ELIZABETH BARRETT, Ph.....	Granville.
LUELLA HILDRED BLAKE, Cl.....	Urbana.
RUTH VAN DYKE CARLIN, Cl.....	Granville.
IRENE McALLISTER CHAMBERS, Ph.....	Shelbyville, Ind.
ADA EMILY CHRYSLER, Ph.....	Granville.
ESTHER JOSEPHINE CROOKS, Ph.....	Ravenswood, W. Va.
RUTH DAVENPORT, Ph.....	Cincinnati.
GRACE LOUISE DUBOC, Ph.....	Oskaloosa, Iowa.
ALVA RUTH EDWARDS, Ph.....	Ironton.
CELIA HAGERTY EDWARDS, Ph.....	Newark.
JOSEPHINE BERTHA FULTON, Ph.....	Newark.
MILDRED HUNT, Cl.....	Granville.
AMY HENRIETTA JONES, Ph.....	Granville.
BERTHA FLORENCE LATIMER, Ph.....	Newark.
MADGE CLEVE MOSSMAN, Ph.....	Newark.
MARY EDNA McDANIEL, Ph.....	Raccoon Island.
GRACE ELIZABETH NORTH, Ph.....	Beaver Dam, Wis.
LEONTINE L. OWEN, Ph.....	Chicago, Ill.
EDITH GRACE PATTENGILL, Ph.....	Swarthmore, Pa.
SUSIE QUICK, Ph.....	Ft. Collins, Colo.
MINNIE AGNES SHAFFER, Cl.....	Granville.
SHIRLEY SLACK, Ph.....	Granville.
KATHERINE TRIMMER, Ph.....	Springfield.
ADDIE TUDOR, Ph.....	Walnut Hills.
BLONDA BANKS WATT, Ph.....	Chicago Junction.
GERTRUDE EMMA WRIGHT, Ph.....	Granville.

Seniors in Two Year Course.

ALICE DALZIEL,.....	Granville.
ELLA MARION ROBERTS,.....	Granville.

Junior Class.

ADA ZILLAH ALEXANDER, Sc.....	Wren.
NINA BINGNER, Ph.....	Mansfield.
FAY ROBERTS CLEVELAND, Cl.....	Massillon.
ALICE COX, Ph.....	Canton.
BERTHA LOIS CRILLY, Cl.....	Newark.
MARY ELLEN DICKINSON, Ph.....	New Castle, Pa.
ELIZABETH FORD, Ph.....	Cleveland.
LAURA ELIZABETH HOSICK, Cl.....	Newcomerstown.
HELEN KENDRICK HUNT, Ph.....	Granville.

BETTY ALBERTINA JONES, Ph.	Granville.
GERTRUDE PEARL LETT, Sc.	Belleue, Ky.
EMILY FRANCES MALONEY, Ph.	Savanna, Ill.
PEARL BICKER MERCER, Ph.	Newark.
RUTH ORCUTT, Ph.	Granville.
ALMA BURNETT POLK, Ph.	New Vienna.
MARIE PORTER, Sc.	Weston, Mich.
EULALIA ROBINSON, Ph.	Goodfield, Ill.
CORNELIA SPENCER, Cl.	Granville.
HAZEL SPENCER, Sc.	New Straitsville.
JOSEPHINE STEWART, Ph.	Joliet, Ill.
ELSIE RINEHART STUDER, Ph.	Fredericktown.
DEE THORNTON, Ph.	Granville.

Sophomore Class.

MARIETTA ALLEN, Ph.	Van Wert.
ALTA ELIZABETH BALDWIN, Ph.	East Liverpool.
MINNIE EMARILLA BATES, Ph.	Madison.
CLOUDE AZIA BLAKE, Cl.	Urbana.
EDNA JONES BRANNON, Ph.	Joliet, Ill.
BESSIE BELLE BRUCE, Ph.	Garrettsville.
GLADYS EDITH CLAY, Ph.	Granville.
GRACE COCHRAN, Ph.	Salama, W. Va.
IMOGENE CRITCHFIELD, Ph.	Wheaton, Ill.
CLARA DANIELS FIFIELD, Ph.	Panucket, R. I.
MAMIE KATHERINE GEACH, Ph.	Granville.
HARRIET ZORELDA GOODHART, Ph.	Cincinnati.
LAURA ADELLA HATFIELD, Ph.	Dayton.
MARY ANNA HELTON, Sc.	Wasioto, Ky.
HESPERA HOUGHAM, Ph.	Dayton.
OLIVE ANN JENKINS, Ph.	Lorain.
ELIZABETH CARLISLE JOHNSON, Sc.	Marietta.
RACHEL BERNICE JONES, Ph.	Granville.
MABEL VIRGINIA NEWTON, Ph.	Upland, Pa.
MYRA POWELL, Cl.	Chillicothe.
MARY LOUISE RANK, Ph.	Newark.
IRMA MARIE SARGENT, Ph.	Granville.
LILY BELL SEFTON, Sc.	Pittsburg, Pa.
EUDORA SPENCER, Ph.	Granville.
JOY FLORENCE TRACY, Cl.	Hubbard.
FÆE MARY WEBBER, Ph.	Savanna, Ill.
MARJORIE ELIZABETH WITTER, Ph.	Boston, Mass.

Freshman Class.

MARY ETHEL ABBOTT, Ph.	Granville.
ABBIE HELEN ACKLEY, Ph.	Granville.
MARIETTA BALL, Ph.	Akron, N. Y.

GLENN BARTLETT, Ph.....	<i>Madison.</i>
CATHRYN ANNETTE BICKFORD, Ph.....	<i>Van Wert.</i>
NELLIE MAY BILLMAN, Ph.....	<i>Dayton.</i>
BESSIE JOHNSON BOLWINE, Ph.....	<i>Granville.</i>
JUANITA STEPHENSON BOND, Cl.....	<i>Granville.</i>
MARY LOUISE CHAMBERLIN, Ph.....	<i>Dayton.</i>
EMILY KERR COLWELL, Cl.....	<i>Granville.</i>
KATHERINE CURTIS CRITCHFIELD, Ph.....	<i>Mt. Vernon.</i>
ESTELLE MARIE DEARDORFF, Ph.....	<i>St. Augustine, Fla.</i>
EDNA LUELLA EDWARDS, Ph.....	<i>Ironton.</i>
ADA ELANY ELLIS, Ph.....	<i>Atlanta, Ill.</i>
MILDRED ESTEY EYER, Sc.....	<i>Dayton.</i>
GUSSIE ALMIRA FLEMING, Ph.....	<i>Marengo.</i>
GERTRUDE G. GAFFORD, Sc.....	<i>Burlington, Iowa.</i>
ESABELLE BURNICE GRAY, Ph.....	<i>Evansville, Wis.</i>
ETHEL FAYE GRIFFETH, Sc.....	<i>Granville.</i>
MILDRED ALICE HAWKE, Ph.....	<i>St. Louisville.</i>
MARJORIE FRANCIS HOLDEN, Ph.....	<i>Martin's Ferry.</i>
ALICE HERRICK HUDSON, Ph.....	<i>Alhambra, Cal.</i>
HELEN JOAN HULTMAN, Ph.....	<i>Dayton.</i>
RUTH LOUISE JOHNSON, Ph.....	<i>Urbana.</i>
ALICE MAY LAMB, Ph.....	<i>Toledo.</i>
HAZEL LILLIAN MARTIN, Sc.....	<i>Hebron.</i>
RUTH MATHER, Ph.....	<i>Chicago.</i>
CATHLEEN BESS MILLER, Ph.....	<i>Watkins, N. Y.</i>
MAUDE MARIAN MILLER, Ph.....	<i>Ottumwa, Iowa.</i>
JULIA SARAH MOORE, Sc.....	<i>Zanesville.</i>
LEILA FLORENCE MOORE, Ph.....	<i>Pataskala.</i>
CORA RACHEL McCLURE, Ph.....	<i>Atlanta, Ill.</i>
BERTHA MAE McCRARY, Ph.....	<i>Granville.</i>
MARGARET KENDALL McKIBBEN, Ph.....	<i>Granville.</i>
BEATRICE ELIZABETH O'NEIL, Ph.....	<i>Canton.</i>
EDITH MARGARET PHILBROOK, Ph.....	<i>Johnstown.</i>
EMILY EVELYN SAYRE, Ph.....	<i>Granville.</i>
MABEL HATTIE SHIPLEY, Sc.....	<i>Granville.</i>
CECILE BELLE SHREVE, Sc.....	<i>Union City.</i>
DEE FERGUSON SHUMAN, Ph.....	<i>Covington.</i>
KATHLEEN BLAINE SIMMS, Sc.....	<i>Dayton.</i>
FERN MIRTLE SINKEY, Ph.....	<i>Croton.</i>
HARRIET BALLOU SMITH, Ph.....	<i>Granville.</i>
LOIS ELVIRA SMITH, Ph.....	<i>Columbus.</i>
MARGARET SMITH, Ph.....	<i>Pautucket, Iowa.</i>
MABEL WYATT SMUCKER, Sc.....	<i>Newark.</i>
LETHA CHRISTINE TANNEHILL, Ph.....	<i>McConnellsville.</i>
GEM ELBERTA TAYLOR, Ph.....	<i>Toledo.</i>
SURIE THEOBALD, Ph.....	<i>Canton.</i>

JENNIE GRACE TRACY, Cl	Hubbard.
RUTH MARGARET WATKINS, Ph	Etna.
NELLIE BLY WALCOTT, Ph	Columbus.
JANE ANNE WILLIAMS, Ph	Granville.
FLORENCE EDNA WILSON, Ph	Newark.

Special Students.

ELIZABETH AGLER,	Columbus.
SUSAN RANSOM ALBRIGHT,	Milwaukee, Wis.
GRACE NAOMI CORNELL,	Alexandria.
ETHEL DEMING,	Granville.
GRACE BERYL DICK,	Newark.
ELEANOR MIDDLESWART DYE,	Matamoras.
MARY ELSIE EATON,	Granville.
ILKA GASKELL,	Canton.
TILLA GRAHAM,	Frazzysburg.
EVA FAITH GRANDSTAFF,	Granville.
INEZ MARIE HANNA,	Cleveland.
MARIE BOWMAN HATTERSLEY,	Norwood.
PEARL HENLEY,	Chicago.
FLORENCE MAY HERMAN,	Croton.
LOTTIE ESTELLA HESS,	Cement City, Mich
FAYE HULSHIZER,	Granville.
ADLAIDE ELIZABETH JONES,	Newark.
GLADYS KEMPER,	Granville.
JENNIE MAE LADUE,	Ottawa, Ill.
HELEN LOUISE LAMSON,	Toledo.
CONSTANCE ELLEN LONGBON,	Liverpool.
ELIZABETH ELMA MEADE,	Beloit, Kan.
FLORENCE FERN MONTGOMERY,	Newark.
FAITH LAVONNE McCRACKEN,	Croton.
BESSIE ANITA McGAUGHY,	Granville.
CATHERINE PAUL,	Westerville.
HELEN ISABEL PIGG,	Newark.
LULA MARGARET POUND,	Terre Haute, Ind.
MAY CLAIRE RICHARDS,	Congo.
RUTH VIRGINIA ROBBINS,	Middletown.
RUTH ESTER ROCKWOOD,	Granville.
GERTRUDE BELINDA SIMPSON,	Johnstown.
GWLDYTS SPENCER,	Granville.
META AMANDA STEVENS,	Conneaut.
JESSE WHITALL STREET,	Granville.
DORTHY RUTH SWARTZ,	Granville.
HELEN MARGARET TATTERSHALL,	Dayton.
HELEN FAVILLE TOPPING,	Granville.
CHARLIEN WINCHESTER WOOLSON,	Newark.
EVA WRIGHT,	Croton.

SHEPARDSON PREPARATORY DEPARTMENT.

(Note. With the first semester of 1908-1909 Shepardson College adopted a four years preparatory course, but pupils are required to have completed the work of the first year previous to entrance. The three classes enrolled are designated in the following lists as Senior Class, Third Year Class, and Second Year Class.)

Senior Class.

GRACE ADELLE BOND.....	Granville.
ESTHER LORINDA CARNEY.....	Granville.
RUTH ISABEL HOPKINS.....	Granville.
HARRIET OLNEY HUNT.....	Granville.
IDA MAY MOSSMAN.....	Newark.
EVA ARMINTA NIXON.....	Granville.
LAURA BLANCHE ROBINSON.....	Goodfield, Ill.
JULIA IRENE ROGERS.....	Granville.
ISABELLE MAUD TAYLOR.....	Toledo.
MINNIE GUY TIGHT.....	Granville.

Third Year Class.

ELLEN ROSE CARLIN.....	Granville.
ELEANOR JOY CARMAN.....	Granville.
GRACE MILLICENT CHAMBERLIN.....	Granville.
FLORENCE ADELLE DYE.....	Granville.
MARIE BELLE GLASS.....	Hebron.
FERN MARIE GRIFFETH.....	Granville.
FAYE JOICY MCKINNEY.....	Ben's Run, W. Va.
NORA LENA RANSOWER.....	Granville.
CLARA EMILY SHELDON.....	Granville.
SARAH WOOD STASEL.....	Newark.
DORTHY HELEN WOLCOTT.....	Conover.

Second Year Class.

RUTH ELIZABETH DEARDORFF.....	St. Augustine, Fla.
MARY ELSIE EATON.....	Granville.
ANNABEL NORA LITTLE.....	Dresden.
EMILY SPENCER.....	Granville.
MARY SUVOONG.....	
.....	Kiang-nan Arsenal, Shanghai, China

Electives.

ELIZABETH AGLER.....	Columbus.
ADA ZILLAH ALEXANDER.....	Wren.
MARY DANIEL ARNDT.....	Hanover.
GLENN BARTLETT.....	Wauseon.

KATHERINE CURTIS CRITCHFIELD.....	<i>Mt. Vernon.</i>
ELIZABETH CROWL.....	<i>Canton.</i>
ORGA DICKERSON.....	<i>Radnor.</i>
AZALIA DOUGHTON.....	<i>Hubbard.</i>
MILDRED EYER.....	<i>Dayton.</i>
GUSSIE ALMIRA FLEMING.....	<i>Marenzo.</i>
TILLA GRAHAM.....	<i>Francesburg.</i>
ETHEL FAYE GRIFFETH.....	<i>Granville.</i>
MILDRED ALICE HAWKE.....	<i>Louisville.</i>
RUTH LOUISE JOHNSON.....	<i>Urbana.</i>
GLADYS KEMPER.....	<i>Granville.</i>
SELMA M. LADZINSKI.....	<i>East Liverpool.</i>
ALICE MAY LAMB.....	<i>Toledo.</i>
CONSTANCE ELLEN LONGBRON.....	<i>Liverpool.</i>
HAZEL LILLIAN MARTIN.....	<i>Hebron.</i>
FLORENCE FERN MONTGOMERY.....	<i>Newark.</i>
BELLE CHIPMAN MOORE.....	<i>Anderson, Ind.</i>
LULU M. MCCLUGGAGE.....	<i>Coshocton.</i>
ELEANOR JANE MCCOY.....	<i>Granville.</i>
BESSIE ANITA MCGAUGHY.....	<i>Granville.</i>
MISAN NAKAJIMO.....	<i>Granville.</i>
LUCILE ELIZABETH OWENS.....	<i>Jeffersonville.</i>
CATHERINE PAUL.....	<i>Westerville.</i>
HELEN ISABEL PIGG.....	<i>Newark.</i>
LAURA NEWELL PROUTY.....	<i>Granville.</i>
RUTH ESTHER ROCKWOOD.....	<i>Granville.</i>
MARION GRAYSON ROSE.....	<i>Granville.</i>
KATHLEEN BLAINE SIMMS.....	<i>Dayton.</i>
HARRIET BALLOU SMITH.....	<i>Granville.</i>
LOIS ELVIRA SMITH.....	<i>Denver, Colo.</i>
GWLADYS SPENCER.....	<i>Granville.</i>
META AMANDA STEVENS.....	<i>Conneaut.</i>
DOROTHY RUTH SWARTZ.....	<i>Granville.</i>
HELEN MARGARET TATTERSHALL.....	<i>Dayton.</i>
GEM ALBERTA TAYLOR.....	<i>Toledo.</i>
SUSIE THEOBALD.....	<i>Canton.</i>
ALICE ELIZABETH WARNER.....	<i>Granville.</i>
ESTHER VIOLA WARNER.....	<i>Granville.</i>
NELLIE AUGUSTA WHITTEMORE.....	<i>Keene.</i>
CHARLIEN WINCHESTER WOOLSON.....	<i>Newark.</i>

STUDENTS IN DOANE ACADEMY.

GRADUATING CLASS OF 1908.

GEORGE ELMER BLACK, Cl.	EDWARD PAYSON LINNELL, Cl.
CARL KING BOYER, Cl.	WARREN DEMPSEY MILLER, Ph.
PHILANDER SHERIDAN BRADFORD, Sc.	WENDELL ZERBE MILLER, Cl.
ROBERT ORIN BURGETT, Cl.	JAMES CALVIN MUNN, Sc.
WM. DAVID BYARD	JOHN WILLIAM PARKER, Sc.
KARL HENRY ESCHMAN, Cl.	THOMAS EMORY PATTERSON, Sc.
CLYDE J. HAZEN, Cl.	EDGAR JOHN PHILLIPS, Sc.
HORACE MANN HILL, Cl.	JOHN SAMUEL, Cl.
WILLIAM DIMOCK HILL, Cl.	HENRY WALTER STEVENS, Cl.
WILLIAM EVIN HUFFMAN, Sc.	ERNEST GOTHART SVENSON, Cl.
WALDO WARREN JOHNSTON, Ph.	DEXTER JUNKIN TIGHT, Sc.
DONALD J. LEIDIGH, Cl.	CHARLES EMERSON WARNER, Sc.
WILLIAM EVANS LEWIS, Cl.	LINDEN RINE WILSON, Cl.
	TRUE WALLACE YALE, Sc.

Senior Class.

ROBERT MCBETH ALLBAUGH.....	<i>Connoton.</i>
EDWARD RAYMOND ASHCRAFT.....	<i>Howard.</i>
WILLIAM FREDERICK BECKER.....	<i>Kelly's Island.</i>
WILLIAM HENRY CUTLER.....	<i>Carthage, Ill.</i>
WALTER OLIVER DAVIS.....	<i>Atherton.</i>
WILLIAM CLARENCE DEER.....	<i>Harbor Beach, Mich.</i>
BENJAMIN CHARLES FORSYTHE.....	<i>Granville.</i>
HARRY FOVARGUE HENTHORNE.....	<i>Newark.</i>
FRED MUNN HIGGINS.....	<i>Sharon, Pa.</i>
CHARLES WILLIAM HOWELL.....	<i>Bladensburg.</i>
DONALD NEWTON JEWETT.....	<i>Aberdeen, S. D.</i>
FRANCE CLAIR KENT.....	<i>Stockton, N. Y.</i>
ELLSWORTH BOUTELLE LOWE.....	<i>Hinsdale, N. Y.</i>
QUINCEY ALLEN MAIN.....	<i>Ashley.</i>
JOSEPH HAROLD RALSTON.....	<i>Massillon.</i>
MASON KENT READ.....	<i>Granville.</i>
CARLOS ISAAC REED.....	<i>Quaker City.</i>
HAROLD EMERSON RUTLEDGE.....	<i>Newark.</i>
THOMAS BYRON SMITH.....	<i>Hadley, Ky.</i>
JOSEPH FRANCIS STILL.....	<i>Newark.</i>
CHRISTY ERVINE STONER.....	<i>Verona, Pa.</i>
GEORGE MILLIGAN STONER.....	<i>Verona, Pa.</i>
WINFIELD CAREY SWEET.....	<i>Sheboygan, Wis.</i>
SIDNEY JABEZ TORR.....	<i>Fall River, Mass.</i>
HAROLD HOYS TRACY.....	<i>Hubbard.</i>
ARCHIE RAY TUTTLE.....	<i>Mount Gilead.</i>

EDGAR WARREN WAYBRIGHT.....	Piqua.
STAFFORD RIDDLE WEBB.....	Chicago, Ill.
GEORGE BYRON WILLIAMS.....	Massillon.
CLYDE CURTIS WILSON.....	Carlisle, Ind.

Junior Class.

FREEMAN O. CHRYSLER.....	Granville.
OLIVER PAUL CORWIN.....	Columbus.
ELLIS BARKER DOWNEY.....	Hebron.
GEORGE FERGUSON FINNIE.....	Newton-on-Ayr, Scotland.
PAUL BARRICK GRAHAM.....	Granville.
WALTER LEROY JORDAN.....	Arcanum.
JOBANG MARAK.....	Newton Center, Mass.
HAROLD WISE MARTIN.....	Kirkersville.
LESTER EDWIN MITCHELL.....	Cambridge.
EDSON GOLDREN RUFF.....	Sandusky.
JAMES CLYDE SARGENT.....	Granville.
JAMES HENRY SMITH.....	Granville.
WALTER SCOTT STEWART.....	Rochester, N. Y.
EDWARD ELTON STIFLER.....	Minneapolis, Minn.
JAMES DILLY THOMPSON.....	Granville.
EARL WATKINS.....	Granville.
STEWART ELMER WATTERSON.....	Cleveland.
JAMES PERRY WILSON.....	Granville.

Second Year.

OLIVER ROLEY GLADSTONE ALLEN.....	Granville.
HOBACE ROBERT BIGGS.....	Granville.
BOYCE EMERSON BRADFORD.....	Otsego.
JAMES WILLIAM CARLIN.....	Granville.
JOSEPH GIBSON CARLIN.....	Granville.
SPENCER BRINKLEY CARLIN.....	Granville.
HARRY BEHAN CARNEY.....	Granville.
EWART GLADSTONE CARNEY.....	Granville.
JOSEPH CALVITT CLARKE.....	Brooklyn, N. Y.
JOHN SHERWOOD FLEEK.....	Newark.
WALTER BRUCE FREEMAN.....	Granville.
RUDOLPH JACOB GOLDBERGER.....	Dayton.
HAYES DEARDORF GRAHAM.....	Granville.
HARRY DEMING HOPKINS.....	Granville.
CHARLES WORK MCLEES.....	Duncan's Falls.
WILLIAM BRUCE OGDEN.....	Tacoma, Wash.
ARTHUR CLAYTON PROUTY.....	Granville.
HAROLD TENNEY RICKERT.....	Newark.
JESSE CLEOPHAS THOMPSON.....	Marion.

ROBERT HENRY TRACY.....	Hubbard.
FLOYD ALLEN UNGER.....	Odell, Ill.
ROBERT MONTE WARNER.....	Granville.

First Year.

LA FERN ASHBROOK.....	Granville.
ALMA L. BRUMBACK.....	Granville.
EARL CHESSHIRE.....	Granville.
JESSE ASHCRAFT CHILCOTE.....	Newark.
ROY BURTON DEER.....	Harbor Beach, Mich.
ROLLO RAYMOND GARRETSON.....	Granville.
MELVIN HORACE GODFREY.....	Lowell, Mich.
ARTHUR MELVIN HARSHBARGER.....	Hillsboro.
FREDERICK RAYMOND HAZEN.....	Achor.
ARTHUR LOWELL JOHNSON.....	Granville.
GILBERT ALVIN JONES.....	Granville.
ERNEST TRUMER KEMPER.....	Freemansburg, W. Va.
HAROLD KIER.....	Granville.
FRANK OSWALD KRUEH.....	Sterling, N. Y.
REGINALD HEBER LATTA.....	Graysville.
RODNEY ERNEST MCCOLLUM.....	Granville.
RODERICK ALLEN MILLER.....	Put-in-Bay.
WILLIAM VICTOR MILLER.....	Dresden.
HARRY LINCOLN PETTY.....	Columbus.
DELBERT RANDALL PRATT.....	Granville.
FRED PAUL SHELDON.....	Granville.
KENNETH LYON ULLMAN.....	Granville.
EDWIN CARL WILLIAMS.....	Norwalk.

Electives.

LOTT WHITE ADAMS.....	Revere, W. Va.
EDWARD LIVINGSTON ATWELL.....	Zanesville.
CARL KING BOYER.....	Venetia, Pa.
THOMAS AUSTIN CALHOUN.....	Canton.
DONALD McMakin CALLEY.....	Upland, Pa.
SCOTT WILLIAM CAMP.....	Mt. Vernon.
HOWARD DAVIES.....	Granville.
FREDERICK MILTON DERWACHTER.....	Zanesville.
OSCAR LEE DUSTHIMER.....	Thornville.
PAUL BANCROFT FANT.....	Newark.
FRANK LESLIE FLEENER.....	Dodge Center, Minn.
KARL RUFER FORRY.....	Hanover.
THOMAS BROOMFIELD FRIZELLE.....	Kasson, Minn.
LESTER JOSHUA GORSUCH.....	Abilene, Texas.
ROY MORTIMER NEWMAN.....	Fairport, N. Y.

MOLIERE SCARBOROUGH	<i>Abilene, Texas.</i>
ELMER EDWARD SNEDECOR	<i>Tecumseh, Mich.</i>
CLIFFORD SCOTT STILWELL	<i>Cleveland.</i>
GEORGE RUSSELL STRAYER	<i>Marshalltown, Iowa.</i>
CHARLES REX TALBOTT	<i>Sistersville, W. Va.</i>
IVAN RAY TANNEBILL	<i>McConnellsville.</i>
FRANK ALBERT WANGLER	<i>Sandusky.</i>
WILLIAM SOUTER WEBB	<i>Chicago, Ill.</i>
HOMER EDGAR WICKENDEN	<i>Toledo.</i>
DAVID ELMER WOODS	<i>Union City, Pa.</i>

STUDENTS OF THE CONSERVATORY OF MUSIC.

Seniors in Diploma Course.

KARL HENRY ESCHMAN, PIANO	<i>Dresden.</i>
MARtha FLURSCHUTZ, Violin	<i>Newark.</i>
FAYE HULSHIZER, PIANO	<i>Granville.</i>
GRACE M. KEENAN, Organ and Voice	<i>Newark.</i>
SUSAN RANSOM ALBRIGHT	<i>Milwaukee, Wis.</i>
MARY DANIEL ARNDT	<i>Hanover.</i>
ALTA ELIZABETH BALDWIN	<i>East Liberty.</i>
JULIET BARKER	<i>Granville.</i>
CATHRYN ANNETTE BUCKFORD	<i>Van Wert.</i>
NINA BINGER	<i>Mansfield.</i>
MARtha ELIZABETH BOND	<i>Granville.</i>
BESSE BELLE BRUCE	<i>Garrettsville.</i>
ROBERT ORIN BURGETT	<i>Columbus.</i>
CHARLES AUGUSTINE CARMAN	<i>Granville.</i>
NEWTON HANSCOMB CARMAN	<i>Granville.</i>
MARGARET CAROLINE CHAFFEE	<i>Kalamazoo, Mich.</i>
MARY LOUISE CHAMBERLIN	<i>Dayton.</i>
IRENE McALLISTER CHAMBERS	<i>Shelbyville, Ind.</i>
ALLIE MARGARET CHRYSLER	<i>Granville.</i>
GLADYS EDITH CLAY	<i>Mt. Vernon.</i>
PAUL WOOD CLEVELAND	<i>Massillon.</i>
M. ADELAIDE COOK	<i>Granville.</i>
FLORENCE COONS	<i>Pataaskala.</i>
ELIZABETH SHIRLEY CROWL	<i>Canton.</i>
LETHA CUMMINS	<i>Utica.</i>
EVANGELINE DAVIES	<i>Granville.</i>
ANN AUGUSTA DAVIS	<i>Newark.</i>
ESTELLE MARIE DEARDORFF	<i>St. Augustine, Fla.</i>
GRACE BERYL DICK	<i>Newark.</i>

ORGA DICKERSON.....	Radnor.
AZALIA DOUGHTON.....	Hubbard.
GRACE LOUISE DUBOC.....	Oskaloosa, Iowa.
BLANCHE E. DULL.....	Bird's Run.
ESDA EAKIN.....	Marengo.
MARY ELIZABETH EVANS.....	Zanesville.
MRS. H. M. EVANS.....	Newark.
MILDRED ESTEY EYER.....	Dayton.
EMMA GRACE FIELD.....	Columbus.
JOHN SHERWOOD FLEEK.....	Newark.
JEANETTE FORNEY.....	Bird's Run.
JOSEPHINE BERTHA FULTON.....	Newark.
ILKA GASKEL.....	Canton.
MARIE BELLE GLASS.....	Hebron.
MATILDA MARIA GLECKLER.....	Granville.
TILLA GRAHAM.....	Fraeysburg.
ESTELLA EMMA GRIFFITH.....	Granville.
ANNA LOUISE HALDY.....	Camp Chase.
LAURA ADELLA HATFIELD.....	Dayton.
FANNIE M. HEANEY.....	Columbus.
MARY ANNA HELTON.....	Wasioto, Ky.
FLORENCE M. HERMAN.....	Croton.
LOTTIE ESTELLA HESS.....	Cement City, Mich.
Z. BLANCHE HIRST.....	Newark.
MARJORIE FRANCES HOLDEN.....	Martin's Ferry.
HARRY DEMING HOPKINS.....	Granville.
RUTH ISABEL HOPKINS.....	Granville.
ALICE HERRICK HUDSON.....	Alhambra, Cal.
CAROLYN JULIA HUNT.....	Granville.
HELEN KENDRICK HUNT.....	Granville.
RHEA MINERVA INGLER.....	Newark.
RUTH LOUISE JOHNSON.....	Urbana.
ADELAIDE E. JONES.....	Newark.
CLARENCE R. JONES.....	Newark.
FRANCE CLAIR KENT.....	Stockton, N. Y.
RUSSEL EZRA KIMMEL.....	Dayton.
JENNIE M. LA DUE.....	Ottawa, Ill.
SELMA M. LADZINSKI.....	East Liverpool.
EONA VIRGINIA LEARNED.....	Granville.
GRACE NATALIE LEARNED.....	Granville.
WALTER J. LIVINGSTON.....	Piqua.
ALVIN NILE MCCARTNEY.....	Dayton.
LULU M. MCCLEGGAGE.....	Coshocton.
CORA RACHEL McCLURE.....	Atlanta, Ill.
ELEANOR JANE MCCOY.....	Granville.
FAITH L. MCCrackEN.....	Croton.

RAY C. McMILLAN	Canandaigua, N. Y.
SYLVIA MORGAN	Cambridge.
ROY MORTIMER NEWMAN	Fairport, N. Y.
NELLIE C. NIXON	St. Paris.
LUCILE ELIZABETH OWENS	Jeffersonville.
EDITH M. PATTENGILL	Granville.
ROBERT EDWIN PERMAR	Granville.
KATHRYN PETERS	Columbus.
LEILA MAY PORTER	Vevay, Ind.
MARIE PORTER	Weston, Mich.
LULU M. POUND	Terra Haute, Ind.
ELIZABETH POWELL	Marietta.
LAURA NEWELL PROUTY	Granville.
RUTH VIRGINIA ROBBINS	Middletown.
RUTH ESTHER ROCKWOOD	Granville.
MARION GRAYSON ROSE	Granville.
ETHEL M. ROYCE	Bowling Green.
PAUL PRIOR RUGG	Newark.
LOUYS A. RUMSEY	Stryker.
CECILE BELLE SHREVE	Union City, Pa.
DEE F. SHUMAN	Covington.
GRACE B. SIMPSON	Johnstown.
LOIS ELVIRA SMITH	Granville.
MABEL W. SMUCKER	Newark.
ELMER E. SNEDECOR	Tecumseh, Mich.
CORNELIA SPENCER	Granville.
GWLADYS SPENCER	Granville.
SARAH W. STASEL	Newark.
BERTHA E. STEVENS	Newark.
CLIFFORD S. STILLWELL	Cleveland.
WINFIELD CAREY SWEET	Hang Chow, China.
SUSIE THEOBALD	Canton.
CHARLES WAYLAND THOMAS	Dayton.
MAUDE L. THOMPSON	Granville.
HELEN FAVILLE TOPPING	Morioka, Japan.
NELLIE BLY WALCUTT	Columbus.
STEWART AUGUSTUS WARD	Kelley's Island.
ALICE ELIZABETH WARNER	Granville.
ESTHER WARNER	Granville.
IRMA VERGENE WATKINS	Etna.
BLONDA BANKS WATT	Chicago Junction.
EDGAR WARREN WAYBRIGHT	Piqua.
NELLIE AUGUSTA WHITTEMORE	Keene.
MAY HOLDEN WILSON	Granville.
MARJORIE E. WITTER	Boston, Mass.
FRED ELLSWORTH WOLF	Toledo.

CHARLIEN W. WOOLSON.....	<i>Newark.</i>
ESTELLA MAE WRIGHT.....	<i>Granville.</i>
EVA WRIGHT.....	<i>Croton.</i>
EVA LUCILE WRIGHT.....	<i>Granville.</i>
LELA ANN ZIMMERMAN.....	<i>Loudonville.</i>

 STUDENTS IN ART.

MARIE ACKLEY.....	<i>Granville.</i>
ELIZABETH AGLER.....	<i>Columbus.</i>
SUSAN RANSOM ALBRIGHT.....	<i>Milwaukee, Wis.</i>
MARIETTA ALLEN.....	<i>Van Wert.</i>
CATHRYN ANNETTE BICKFORD.....	<i>Van Wert.</i>
EWART CARNEY.....	<i>Granville.</i>
GRACE NAOMI CORNELL.....	<i>Alexandria.</i>
ALICE COX.....	<i>Canton.</i>
KATHERINE CURTIS CRITCHFIELD.....	<i>Mt. Vernon.</i>
ANN AUGUSTA DAVIS.....	<i>Newark.</i>
JEANETTE FORNEY.....	<i>Bird's Run.</i>
GERTRUDE G. GAFFORD.....	<i>Burlington, Iowa.</i>
EVA FAITH GRANDSTAFF.....	<i>Granville.</i>
INEZ MARIE HANNA.....	<i>Cleveland.</i>
PEARL HENLEY.....	<i>Chicago, Ill.</i>
HELEN LOUISE LAMSON.....	<i>Toledo.</i>
CONSTANCE ELLEN LONGBON.....	<i>Liverpool.</i>
FAITH LAVONNE McCRACKEN.....	<i>Croton.</i>
EMILY FRANCES MALONEY.....	<i>Savanna, Ill.</i>
HAZEL LILLIAN MARTIN.....	<i>Hebron.</i>
ELIZABETH MEAD.....	<i>Beloit, Kas.</i>
PEARL BICKER MERCER.....	<i>Newark.</i>
NELLIE C. NIXON.....	<i>St. Paris.</i>
BEATRICE ELIZABETH O'NEIL.....	<i>Canton.</i>
MARGARET PLATTO.....	<i>Newark.</i>
ELIZABETH POWELL.....	<i>Marietta</i>
RUTH VIRGINIA ROBBINS.....	<i>Middletown.</i>
LAURA BLANCHE ROBINSON.....	<i>Goodfield, Ill.</i>
ALDA SCOTT.....	<i>Granville.</i>
GRACE B. SIMPSON.....	<i>Johnstown.</i>
ALICE SMITH.....	<i>Granville.</i>
ELLA GERTRUDE STEWART.....	<i>Joliet, Ill.</i>
ISABELLE MAUD TAYLOR.....	<i>Toledo.</i>
ADDIE TUDOR.....	<i>Walnut Hills</i>
STEWART AUGUSTUS WARD.....	<i>Kelley's Island.</i>

SUMMARY OF STUDENT ATTENDANCE.

Graduate Students.....	6	
Seniors, Granville College.....	38	
Shepardson College.....	27	65
Juniors, Granville College.....	23	
Shepardson College.....	22	45
Sophomores, Granville College.....	41	
Shepardson College.....	27	68
Freshmen, Granville College.....	63	
Shepardson College.....	54	117
Special Students, Granville College.....	48	
Shepardson College.....	40	88
Doane Academy, Senior Year.....	30	
Junior Year.....	18	
Second Year.....	22	
First Year.....	23	
Electives.....	25	118
Shepardson Preparatory, Senior Year.....	10	
Third Year.....	11	
Second Year.....	5	
Electives.....	44	70
Conservatory of Music.....	126	
School of Art.....	35	
Total enrollment, exclusive of all repetitions.....	552	

SCHEDULE OF COURSES AND HOURS.

All odd numbered courses in the following tables belong to the First Semester, even numbered courses to the Second.

The figure in the first column to the right of the name of the course indicates the number of hours credit given; the next column gives the page of the catalogue on which the course is described; the third column to the right of the course name indicates the division of certain courses into sections, or into lecture and laboratory work. In the columns headed with the names of the days of the week is indicated the hour of recitation for each day on which the class meets. The student will of course use this schedule in connection with the statement of general requirements of the Group which he has chosen, and with the full description of courses given in the detailed statements of the various departments of study. Starred courses (*) are either given only on alternate years or have some other peculiarity which cannot be given in this schedule and for which the student must consult the full description of the course, which will easily be found by using the page reference in the third column.

The Gymnasium hours scheduled are for the required physical exercise of Freshmen, Sophomores and electives of not more than two years' attendance. The detailed assignment of days for individual students will be arranged with the Physical Director.

SCHEDULE OF COURSES AND HOURS.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Astronomy 2	3	42		8:40	8:40	8:40				Professor Gilpatrick.
Botany 1 and 2	3	64	{ Lec.		1:30	1:30	1:30			Professor Coghill and Ass't Professor Stickney.
			{ Lab.		2:30		2:30			
Botany 3 and 4	4	64	{ Lec.		11:00		11:00			Ass't Professor Stickney.
			{ Lab.		2:30	2:30	3:30			
Botany 5	4	65	{ Lec.		7:40		7:40	7:40		Ass't Professor Stickney
			{ Lab.		7:40	8:40	8:40			
*Botany 6	4	65	{ Lec.		7:40		7:40			Ass't Professor Stickney
			{ Lab.							
*Botany 9 and 10	2	65	{ Lec.			7:40		7:40		Ass't Professor Stickney.
			{ Lab.			8:40				
*Botany 11	2	65	{ Lec.			7:40		7:40		Ass't Professor Stickney.
			{ Lab.			8:40				
Botany 12	3	66	{ Lec.		7:40		7:40			Miss Davies.
			{ Lab.		8:40		8:40			
*Botany 19 and 20		66								Ass't Professor Stickney.
Chemistry A and B	4	61	{ Lec.		7:40	8:40	7:40	8:40		Professor Brumback.
			{ Lab.		8:40		8:40			
Chemistry A and B (2nd Division)	4	61	{ Lec.		10:00	10:00	10:00	10:00		Professor Brumback.
			{ Lab.		11:00		11:00			
Chemistry 1 and 2	2	61		11:00		11:00				Professor Brumback.

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Chemistry 3 and 4 ...	2	61	Lab.	.....	{ 10:00	.....	.....	10:00	.....	Professor Brumback.
				.....	{ 11:00	.....	.....	11:00	.....
Chemistry 3 and 4 ... (2nd Division)	2	61	Lab.	.....	.....	.....	{ 10:00	.....	10:00	Professor Brumback.
				.....	.....	.....	{ 11:00	.....	11:00	
Chemistry 5 and 6 ...	4	61	{ Lec.	7:40	.....	.....	.....	.....	.....	Professor Brumback.
				2:30	.....	2:30	.....	2:30	.....
*Chemistry 7 and 8...	4	62	{ Lab.	3:30	.....	3:30	.....	3:30	.....	Professor Brumback.
				
Chemistry 9 and 10...	4	62	{ Lec.	1:30	.....	.....	1:30	.....	.....	Professor Brumback.
				.....	.....	{ 1:30	.....	1:30	.....
*Chemistry 11 & 12..	..	62	.....	.....	.....	.....	.....	.....	.....	Professor Brumback.
				
Engineering 1.....	2	58	.....	.....	{ 2:30	.....	1:30	.....	.....	Professor Trask.
				.....	{ 3:30	.....	2:30	.....	.....
Engineering 2.....	4	58	.....	{ 7:40	7:40	7:40	7:40	.....	.....	Professor Trask.
				{ 8:40	8:40	8:40	8:40	.....	.....
*Engineering 3.....	4	58	.....	{ 1:30	1:30	1:30	1:30	.....	.....	Professor Trask.
				{ 2:30	2:30	2:30	2:30	.....	.....
Engineering 4.....	4	59	.....	{ 2:30	2:30	2:30	2:30	.....	.....	Professor Trask.
				{ 3:30	3:30	3:30	3:30	.....	.....
*Engineering 5.....	4	59	.....	{ 1:30	1:30	1:30	1:30	.....	.....	Professor Trask.
				{ 2:30	2:30	2:30	2:30	.....	.....
Engineering 6.....	2	59	.....	{ 2:30	.....	1:30	.....	.....	.....	Professor Trask.
				{ 3:30	.....	2:30	.....	.....	.....

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*Engineering 7 & 8	4	59			11:00		11:00			Professor Trask.
*Engineering 9	1	59		7:40						Professor Trask.
Engineering 10 & 11	4	59		1:30	1:30	1:30	1:30			Professor Trask.
Engineering 12	1	60								Professor Trask.
*Engineering 13	1	60		7:40						Professor Trask.
*Engineering 14	2	60				7:40				Professor Trask.
Engineering 15	1	60		7:40 8:40						Professor Trask.
*Engineering 16	2	60		1:30 2:30		1:30 2:30				Professor Trask.
*Engineering 17 & 18	1	60				1:30 2:30				Professor Trask.
*Engineering 19 & 20	1	60				11:00				Professor Trask.
English 1	3	46	Sec. 1		8:40	8:40		8:40		Asst. Professor Roberts.
			Sec. 2		2:30	2:30		2:30		
English 2	4	46	Sec. 1		8:40	8:40	8:40	8:40		Asst. Professor Roberts.
			Sec. 2		2:30	2:30	2:30	2:30		
English 3 and 4	3	46		11:00		11:00		11:00		Professor Williams.
English 5	1	46		10:00						Professor Williams.
English 6	2	46			8:40		8:40			Miss Montgomery.

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
English 7	4	46		7:40	7:40		7:40	7:40		Miss Jones.
English 8	5	47		8:40		8:40		8:40		Miss Montgomery.
English 9 and 10	2	47			11:00		11:00			Professor Williams.
*English 11	2	47				11:00		11:00		Miss Montgomery.
English 12	2	47								Miss Jones.
English 13	3	47		11:00	11:00		11:00			Miss Montgomery.
English 14	2	47				10:00		10:00		Professor Williams.
English 15	2	47			7:40		7:40			Miss Montgomery.
English 17 and 18	2	47			1:30		1:30			Ass't Professor Roberts.
French 1 and 2	4	44	Sec. 1	8:40	8:40		8:40	8:40		Professor McKibben and Mr. Odebrecht.
			Sec. 2	1:30	1:30		1:30	1:30		
French 3 and 4	4	44		10:00	10:00		10:00	10:00		Professor McKibben.
French 5	3	44		7:40	7:40	7:40				Professor McKibben.
French 6	3	44				7:40	7:40	7:40		Professor McKibben.
French 7 and 8	1	44				1:30				Professor McKibben.
French 11	3	45								Mr. Odebrecht.
French 12	3	45								Professor McKibben.
Geology A	2	57		10:00		10:00				Professor Carney.

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*Geology 1,	4	57	Lec. Lab.	11:00		11:00				Professor Carney.
Geology 2,	2	57	Lec.		8:40 11:00	8:40	11:00			Professor Carney.
*Geology 3 and 4,	4	57	Lab.							Professor Carney.
Geology 5 and 6,	3	57			10:00		10:00			Professor Carney.
*Geology 7,	2	57		8:40			8:40			Professor Carney.
*Geology 8,	2	57		7:40	7:40	7:40	7:40			Professor Carney.
*Geology 9 and 10,	2	57								Professor Carney.
*Geology 11 and 12,	2	58								Professor Carney.
German 1 and 2,	4	53	Sec. 1 Sec. 2	10:00 1:30	10:00 1:30		10:00 1:30	10:00 1:30		Professor Chamberlin and Mr. Oelbrecht
German 3 and 4,	4	53		10:00	10:00		10:00	10:00		Professor Chamberlin.
German 5 and 6,	3	53		7:40		7:40		7:40		Professor Chamberlin.
German 7 and 8,	3	54		8:40		8:40		8:40		Professor Chamberlin.
German 9 and 10,	2	54			8:40		8:40			Professor Chamberlin.
Greek 1 and 2,	4	42		10:00	10:00		10:00	10:00		Professor Colwell.
Greek 3 and 4,	4	43		7:40	7:40		7:40	7:40		Professor Colwell.
Greek 5,	4	43		8:40	8:40		8:40	8:40		Professor Colwell.

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Greek 6.....	3	43			1:30		1:30	1:30		Professor Colwell.
Greek 8.....	3	43			8:40		8:40	8:40		Professor Colwell.
Gymnasium hours.....	4		{ Sec. 1 Sec. 2 Sec. 3	2:30	7:40		2:30	7:40		Mr. Freeman. and Miss Jones.
History 1 and 2.....	4	54		2:30	2:30	2:30	2:30			Professor Goodell.
History 3 and 4.....	3	55		1:30		1:30		1:30		Professor Goodell.
History 5 and 6.....	2	55			1:30		1:30			Professor Goodell.
History 8.....	3	55		7:40		7:40		7:40		Professor Goodell.
History 9.....	4	56		7:40	7:40	7:40	7:40			Professor Goodell.
History 10.....	3	56		7:40		7:40		7:40		Professor Goodell.
History 12.....	4	56								Miss Sorensen.
History of Art 1.....	5	66		8:40	8:40	8:40	8:40	8:40		Miss Barker.
*History of Art 2.....	5	67		8:40	8:40	8:40	8:40	8:40		Miss Barker.
*History of Art 4.....	5	67		8:40	8:40	8:40	8:40	8:40		Miss Barker.
Italian 2.....	4	45			8:40	8:40	8:40	8:40		Professor McKibben.
Italian 3.....	4	45			8:40	8:40	8:40	8:40		Professor McKibben.
Latin 1 and 2.....	4	48	{ Sec. 1 Sec. 2	7:40	7:40	7:40		7:40		Asst Professor Roberts.
Latin 3 and 4.....	4	48		8:40	8:40	8:40		8:40		Professor Johnson.
Latin 5 and 6.....	4	49		10:00	10:00	10:00		10:00		Professor Johnson.
Latin 7 and 8.....	2	49		1:30		1:30				Professor Johnson.
Latin 9 and 10.....	2	49			1:30			1:30		Professor Johnson.

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NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*Latin 11 and 12		49								Professor Johnson.
Logic 5 and 6	3	41		7:40		7:40	7:40	7:40		Mr. Spencer.
Mathematics 1 A 2	3	41	Sec. 1	7:40		7:40	7:40			Professor Gilpatrick and Miss Peckham.
			Sec. 2	8:40		8:40	8:40			
			Sec. 3	10:00		10:00	10:00			
Mathematics 3 A 4	4	42	Sec. 1	7:40	7:40	7:40	7:40			Professor Gilpatrick and Miss Peckham.
			Sec. 2	11:00	11:00	11:00	11:00			
Mathematics 5	4	42		10:00	10:00	10:00	10:00			Professor Gilpatrick.
Mathematics 6	3	42		10:00		10:00	10:00			Professor Gilpatrick.
Mathematics 7	1	42		11:00	11:00	11:00	11:00			Professor Gilpatrick.
*Mathematics 8	1	42		11:00	11:00	11:00	11:00			Miss Peckham.
Mathematics 10	3	42			8:40	8:40	8:40			Professor Gilpatrick.
Music 3 and 4	2	67		8:40			8:40			Mr. Wood.
Music 5 and 6	4	68		1:30	1:30		1:30	1:30		Mr. Wood.
Music 7 and 8	4	68		11:00		10:00 11:00		11:00		Mr. Wood.
Music 9 and 10	4	68			10:00 11:00		10:00 11:00			Mr. Wood.
Music 11 and 12	2	68		10:00				10:00		Mr. Wood.
Music 13 and 14	2	68			8:40			8:40		Mr. Wood.

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Music 15 and 16	2	68				1:30 2:30				Mr. Wood.
Philosophy 1	1	41					11:00			President Hunt.
Philosophy 3	4	41			10:00	10:00	10:00	10:00		President Hunt.
Philosophy 4	5	41		10:00	10:00	10:00	10:00	10:00		President Hunt.
Physics A and C	3	50		11:00		11:00		11:00		Mr. Coons.
Physics B	2	50	Lab. 1		10:00 11:00		10:00 11:00			Mr. Coons.
			Lab. 2		7:40 8:40		7:40 8:40			
Physics D	2	50			10:00 11:00		10:00 11:00			Mr. Coons.
					8:40	8:40	8:40	8:40		
Physics 1	4	50			8:40	8:40	8:40	8:40		Mr. Johnson.
Physics 2	4	51	Lab. 1		7:40 8:40	7:40	7:40	7:40		Mr. Coons.
			Lab. 2		1:30 2:30	1:30	1:30	1:30	2:30	
Physics 3	4	51	Lec.				7:40			Mr. Coons.
			Lab.		7:40 8:40	7:40		7:40	8:40	

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*Latin 11 and 12		40								Professor Johnson.
Logic 5 and 6	3	41		7-40		7-40	7-40	7-40		Mr. Spencer.
Mathematics 1 & 2	3	41	Sec. 1	7-40		7-40	7-40			Professor Gilpatrick and Miss Peckham.
			Sec. 2	8-40		8-40	8-40			
			Sec. 3	10-00		10-00	10-00			
Mathematics 3 & 4	4	42	Sec. 1	7-40	7-40	7-40	7-40			Professor Gilpatrick and Miss Peckham.
			Sec. 2	11-00	11-00	11-00	11-00			
Mathematics 5	4	42		10-00	10-00	10-00	10-00			Professor Gilpatrick.
Mathematics 6	3	42		10-00		10-00	10-00			Professor Gilpatrick.
Mathematics 7	4	42		11-00	11-00	11-00	11-00			Professor Gilpatrick.
*Mathematics 8	4	42		11-00	11-00	11-00	11-00			Miss Peckham.
Mathematics 10	3	42			8-40	8-40	8-40			Professor Gilpatrick.
Music 3 and 4	2	67		8-40			8-40			Mr. Wood.
Music 5 and 6	4	68		1-30	1-30		1-30	1-30		Mr. Wood.
Music 7 and 8	4	68		11-00		10-00		11-00		Mr. Wood.
						11-00				
Music 9 and 10	4	68			10-00		10-00			Mr. Wood.
					11-00		11-00			
Music 11 and 12	2	68		10-00				10-00		Mr. Wood.
Music 13 and 14	2	68			8-40			8-40		Mr. Wood.

SCHEDULE OF COURSES AND HOURS—Continued.

NAME OF COURSE	CREDIT	PAGE	MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Music 15 and 16	2	68			{ 1:30 2:30				Mr. Wood.
Philosophy 1	1	41				11:00			President Hunt.
Philosophy 3	4	41		10:00	10:00	10:00	10:00		President Hunt.
Philosophy 4	5	41	10:00	10:00	10:00	10:00	10:00		President Hunt.
Physics A and C	3	50	11:00		11:00		11:00		Mr. Coons.
Physics B	2	50		{ Lab. 1	{ 10:00 11:00		10:00 11:00		Mr. Coons.
				{ Lab. 2	{ 7:40 8:40		7:40 8:40		
Physics D	2	50			{ 10:00 11:00		10:00 11:00		Mr. Coons.
Physics 1	4	50		8:40	8:40	8:40	8:40		Mr. Johnson.
Physics 2	4	51		{ Lab. 1	{ 7:40 8:40	7:40 8:40	7:40 8:40	7:40 8:40	Mr. Coons.
				{ Lab. 2	{ 1:30 2:30	1:30 2:30	1:30 2:30		
				{ Lec.	{ 7:40 8:40	7:40 8:40	7:40 8:40		
Physics 3	4	51							Mr. Coons.

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NAME OF COURSE	CREDIT	PAGE	MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Physics 4	4	51	Lec.			1:30			Mr. Johnson.
			Lab.		{ 1:30 2:30	{ 1:30 2:30	{ 1:30 2:30		
*Physics 5 and 7	4	51	Lec.		1:30	1:30			Mr. Johnson.
			Lab.		{ 1:30 2:30	{ 1:30 2:30	{ 1:30 2:30		
*Physics 6 and 8	4	51	Lec.		8:40	8:40			.....
			Lab.		{ 7:40 8:40	{ 7:40 8:40	{ 7:40 8:40		
Physics 9 and 10		52	Lab.					8-12	
Physics 11 and 12	1	52		11:00					Mr. Johnson.
Physics 13 and 14	1	52				11:00			Mr. Coons.
*Physics 15 and 16		52							
Public Speaking 1 & 2	3	68	2:30		2:30	2:30			Mr. Hoppe.
Public Speaking 3 & 4	1	68	10:00						Mr. Hoppe.
Public Speaking 5 & 6	3	69		2:30		1:30	2:30		Mr. Hoppe.
Spanish 1 and 2	4	45	7:40	7:40		7:40	7:40		Professor McKibben.
Zoology 1 and 2	3	62	Lec.			1:30			Professor Coghill and Asst. Professor Stickney.
			Lab.		{ 1:30 2:30	{ 1:30 2:30	{ 1:30 2:30		
Zoology 3 and 4	4	63	Lec.		11:00		11:00		Professor Coghill.
			Lab.		{ 2:30 3:30	{ 2:30 3:30	{ 2:30 3:30		

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NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Zoology 5	4	63	{ Lec.		8:40		8:40			} Professor Coghill.
			{ Lab.			7:40		7:40		
						8:40		8:40		
Zoology 6	4	63	{ Lec.		7:40		7:40			} Professor Coghill.
			{ Lab.			7:40		7:40		
						8:40		8:40		
Zoology 7	4	63	{ Lec.		7:40		7:40			} Professor Coghill.
			{ Lab.			7:40		7:40		
						8:40		8:40		
Zoology 8	4	63	{ Lec.		8:40		8:40			} Professor Coghill.
			{ Lab.			7:40		7:40		
						8:40		8:40		
Zoology 10	3	63				2:30		2:30		Professor Coghill.
*Zoology 12	2	64	{ Lec.					7:40		} Asst Professor Stickney.
			{ Lab.			7:40				
						8:40				
*Zoology 13 and 14		64								Professor Coghill.
Zoology 15 and 16	1	64				10:00				Professor Coghill.

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