

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF THE

UNIVERSITY OF WISCONSIN

FOR THE

ACADEMIC YEAR 1877-8.

MADISON, WIS.

DAVID ATWOOD, PRINTER AND PHOTOGRAPHER.
1877.

FACULTY AND INSTRUCTORS.

JOHN BASCOM, D.D., LL. D.,

President and Professor of Mental and Moral Philosophy.

JOHN W. STERLING, PH. D.,

Vice President and Professor of Mathematics.

WILLIAM F. ALLEN, A. M.,

Professor of Latin and History.

STEPHEN H. CARPENTER, LL. D.,

Professor of Logic and English Literature.

ALEXANDER KERR, A. M.,

Professor of the Greek Language and Literature.

JOHN B. FELLING, PH. D.,

Professor of Modern Languages and Comparative Philology.

WILLIAM J. L. NICODEMUS, A. M., C. E.,

Professor of Military Science and Civil and Mechanical Engineering.

JOHN B. PARKINSON, A. M.,

Professor of Civil Polity and Political Economy.

JOHN E. DAVIES, A. M., M. D.,

Professor of Astronomy and Physics.

W. W. DANIELLS, M. S.,

Professor of Agriculture and Chemistry.

ROLAND IRVING, A. M., E. M.,

Professor of Geology, Mining and Metallurgy, and Curator of Cabinet.

R. B. ANDERSON, A. M.,

Professor of Scandinavian Languages and Librarian.

UNIVERSITY OF WISCONSIN.

HON. ORSAMUS COLE, LL. D.,

Associate Justice of the Supreme Court of Wisconsin,

Professor of Law.

HON. WILLIAM PENN LYON, LL. D.,

Associate Justice of the Supreme Court of Wisconsin,

Professor of Law.

J. H. CARPENTER, LL. D.,

Dean of Law Faculty.

WILLIAM F. VILLAS, LL. B.,

Professor of Law.

I. C. SLOAN, Esq.,

Professor of Law.

S. U. PINNEY, Esq.,

Professor of Law.

J. B. CASSODAY, Esq.,

Professor of Law.

JOHN M. OLIN, A. M.,

Instructor in Rhetoric and Oratory.

EDWARD A. BIRGE, A. B.,

Instructor in Natural History and Assistant Curator of Cabinet

SEYMOUR W. TALBOT, C. E.,

Assistant in Civil Engineering

CHARLES T. KING,

In charge of the Machine Shop.

SAMUEL W. TROUSDALE, A. B.,

Instructor in English and Elocution.

C. P. ETTEN,

Instructor in Vocal and Instrumental Music.

MRS. D. E. CARSON,

Preceptress.

MISS S. A. CARVER,

Instructor in French and German.

ORGANIZATION.

The courses of study in the University are arranged in accordance with the following sections of the law of 1866 (G. L. ch. CXIV):

SECTION 2. The College of Arts shall embrace courses of instruction in the mathematical, physical, and natural sciences, with their application to the industrial arts, such as agriculture, mechanics and engineering, mining and metallurgy, manufactures, architecture and commerce; in such branches included in the College of Letters as shall be necessary to a proper fitting of the pupils in the scientific and practical courses for their chosen pursuits; and in military tactics; and as soon as the income of the University shall allow, in such order as the wants of the public shall seem to require, the said courses in the sciences and their application to the practical arts shall be expanded into distinct colleges of the University, each with its own faculty and appropriate title.

SECTION 3. The College of Letters shall be coexistent with the College of Arts, and shall embrace a liberal course of instruction in language, literature, and philosophy, together with such courses or parts of courses in the College of Arts as the authorities of the University shall prescribe.

The College of Arts embraces the Departments of General Science, Agriculture, Civil Engineering, Mechanical Engineering, Mining and Metallurgy, and Military Science.

The College of Letters embraces the Departments of Ancient Classics, Modern Classics, and the Department of Law.

COURSES OF STUDY.

I. GENERAL COURSES.

1. *Course in General Science.*

This course, whilst including all of the branches of an ordinary classical course, other than the ancient languages, covers a much wider field in mathematics, and is now so arranged that each of the main departments of science, viz.: Zoology and Botany; Chemistry (including Analytical Chemistry); Physics; Mineralogy and Geology — has devoted to it three to four terms of continuous daily exercises in the class room and laboratory. The modern languages are also included. This arrangement makes it possible for the student to obtain such a thorough grounding in each branch of science that he can subsequently apply it to practical purposes, or follow it out as a specialist, without further class-room instruction. It is believed that, in this regard, the course is unlike the ordinary "scientific course," and that, whilst offering an unsurpassed general training, it is also adapted to the wants of all, including classical graduates, who wish ultimately to make some one branch of science a specialty.

FRESHMAN YEAR.

FIRST TERM.

Mathematics — Higher Algebra. Loomis.
English — Anglo-Saxon and English Analysis.
German — Whitney's Grammar and Reader.
Optional — Norse.

SECOND TERM.

Mathematics — Solid Geometry. Loomis.
English — Carpenter's English of the XIVth Century.
German — Schiller.
Optional — Norse.

THIRD TERM.

Mathematics — Plane Trigonometry and its Applications. Loomis.
Botany — Lectures.
German — Lessing.
 Themes and Declamations throughout the year; also, German Composition.

SOPHOMORE YEAR.

FIRST TERM.

Analytical Geometry — Loomis.
Mechanics — (Six weeks).
Rhetoric — Bain's English Composition. Abbott's How to Write Clearly, and Spencer's Philosophy of Style (three days a week).
Zoology — Orton's Comparative Zoology.
Optional — French.
Optional — Icelandic.

SECOND TERM.

Zoology — Orton.
Analytical Geometry and Calculus — Loomis.
Mechanics —
Optional — Icelandic.

THIRD TERM.

Calculus — Loomis.
Zoology — Orton.
Physics — Deschanel on Heat.
Optional — History and French Literature.
 Composition and Conversational Exercises in French and German throughout the year.

JUNIOR YEAR.

FIRST TERM.

Physics — Deschanel on Electricity and Magnetism.
Chemistry — Thorpe, Lectures and Laboratory Practice.
English Literature — Shaw and Lectures.
Modern History — Michelet (once a week).

SECOND TERM.

Physics — Deschanel on Sound and Light.
Chemistry — Thorpe, Lectures, and Laboratory Practice.
Crystallography and Mineralogy — Dana's Text Book.

THIRD TERM.

Physics, History of Chemistry — (Elective).
Mineralogy, Determinative — Brush.
Chemistry — Laboratory Practice, Johnson's Fresenius.

SENIOR YEAR.

FIRST TERM.

Mental Philosophy — Bascom and Lectures.
Spherical Trigonometry and Astronomy — Loomis.
Geology — Lectures, and Dana's Manual.
Lectures — Science of Language.
International Law — Lectures.
Optional — Metallurgy, Assaying.

SECOND TERM.

Moral Philosophy — Hickok.
Natural Theology — Chadbourne.
Logic — Deductive, Jevons and Lectures.
Political Economy — Fawcett and Lectures.

THIRD TERM.

Aesthetics — Bascom.
Logic — Inductive — Fowler and Lectures.
Constitutional Law — Story and Lectures.
Optional — Economic Geology.

2. *Course in Modern Classics.*

In this course German takes the place of Greek.

FRESHMAN YEAR.

FIRST TERM.

Mathematics — Higher Algebra. Loomis.
Latin — Cicero De Senectute, Livy, and Latin Composition.
German — Whitney's German Grammar and Reader.
Optional — Norse.

SECOND TERM.

Mathematics — Solid Geometry. Loomis.
Latin — Livy. Composition.
German — Schiller.
Optional — Norse.

THIRD TERM.

Mathematics — Plane Trigonometry and its Applications.
Botany — Lectures.
German — Lessing. Composition.

Themes and Declamations throughout the course; also French and German Composition.

SOPHOMORE YEAR.

FIRST TERM.

Mechanics — (Six weeks).
Conic Sections — Loomis (six weeks).
Latin — Horace. Odes and Epistles.
German — Goethe's Prose.
French — Grammar and Reader.
Optional — Icelandic.

SECOND TERM.

Rhetoric — Bain's Composition, Abbott's "How to Write Clearly" and Spencer's Philosophy of Style.

Latin — Plautus.

French — Select Prose and Poetry.

German — Buchheim's Prose Composition.

Optional — Icelandic.

THIRD TERM.

Latin — Quintilian.

Anglo Saxon — Carpenter's Reader.

German — Goethe.

Physice — Deschanel.

Optional — History of French Literature.

JUNIOR YEAR.

FIRST TERM.

Physics — Deschanel on Electricity and Magnetism.

Latin — Tacitus (three times a week).

Chemistry — Thorpe and Lectures (twice a week).

English Literature — Shaw and Lectures.

Modern History — Michelet (once a week).

SECOND TERM.

Physics, History or Chemistry — (Elective).

Geology — Dana's Geological Story Briefly Told (six weeks).

German — H. Grimm's Raphael and Michael Angelo.

Zoology — Osborn's Comparative Zoology.

THIRD TERM.

Physics, Chemistry or History — (Elective).

Latin — Satires of Horace, and Juvenal.

Comparative Philology — Papillon and Lectures.

Optional — History of German Literature.

SENIOR YEAR.

FIRST TERM.

Mental Philosophy — Bascom and Lectures.

Ethics — Whately and Lectures (three days a week).

Spherical Trigonometry and Astronomy — Loomis.

German — Goethe's Faust.

International Law — Lectures.

SECOND TERM.

Moral Philosophy — Hickok.

Natural Theology — Chubbournie.

Logic — Deductive, Jevons and Lectures.

Political Economy — Fawcett and Lectures.

THIRD TERM.

Æsthetics — Bascom.
Logic — Inductive, Fowler, and Lectures.
Constitutional Law — Story and Lectures.
History of Civilization — Lectures.

3. *Course in Ancient Classics.*

This course embraces the Ancient Classics, Mathematics, Natural Sciences, English Literature, and Philosophy.

FRESHMAN YEAR.

FIRST TERM.

Mathematics — Higher Algebra, Loomis.
Latin — Cicero De Senectute, Livy and Latin Composition.
Greek — Homer's Odyssey, Grammar and Composition.
Optional — Norse.

SECOND TERM.

Mathematics — Solid Geometry. Loomis.
Latin — Livy. Composition.
Greek — Herodotus. Grammar and Composition.
Optional — Norse.

THIRD TERM.

Mathematics — Plane Trigonometry and its Applications
Botany — Gray's Manual, and Lessons.
Greek — Thucydides. Grammar and Composition.
Optional — Latin.
 Themes and Declamations throughout the course.

SOPHOMORE YEAR.

FIRST TERM.

Conic Sections — Loomis. (Twice a week.)
Latin — Horace. Odes and Epistles.
Mechanics — (Six weeks.)
French — Grammar and Reader.
Greek — Demosthenes. Goodwin's Moods and Tenses.

SECOND TERM.

Rhetoric — Bain's Composition: Abbott's "How to Write Clearly"
 and Spencer's Philosophy of Style.
Latin — Plautus.
Greek — Tragedy.
French — Select Prose and Poetry.

THIRD TERM.

Latin — Quintilian.
Greek — Tragedies.
Anglo-Saxon — Carpenter's Reader.
Physics.

JUNIOR YEAR.

FIRST TERM.

Latin — Tacitus. (Three times a week.)
Chemistry — Thorpe and Lectures. (Twice a week.)
English Literature — Shaw and Lectures.
Physics — Deschanel on Electricity and Magnetism.
Modern History — Michelet. (Once a week.)

SECOND TERM.

Physics, History, or Chemistry — (Elective.)
Greek — Plato — Apology and Crito.
Geology — Dana's Geological Story Briefly Told. (Six weeks.)
Zoology — Orton's Comparative Zoology.

THIRD TERM.

Physics, History, or Chemistry — (Elective.)
Latin — Satires of Horace, and Juvenal.
Comparative Philology — Papillon and lectures.

SENIOR YEAR.

FIRST TERM.

Mental Philosophy — Bascom and Lectures.
Rhetoric — Whately and Lectures (three days a week).
Spherical Trigonometry and Astronomy — Loomis and Lectures.
Greek — Plato's Gorgias.
International Law — Lectures.

SECOND TERM.

Moral Philosophy — Hickok.
Natural Theology — Chadbourne.
Logic, Deductive — Jevons and Lectures.
Political Economy — Fawcett and Lectures.

THIRD TERM.

Æsthetics — Bascom.
Constitutional Law — Story and Lectures.
Logic, Inductive — Fowler and Lectures.
History of Civilization — Lectures.