

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF THE
UNIVERSITY OF WISCONSIN,

For the Academic Year, 1876-7.

MADISON, WIS.:
DEMOCRAT PRINTING COMPANY, PRINTERS.
1876.

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. FEULING, 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 Policy and International Law.

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 Instructor in Greek.

HON. ORSAMUS COLE, LL. D.,
Associate Justice of the Supreme Court of Wisconsin.
Professor of Law.

UNIVERSITY OF WISCONSIN.

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.

HON. J. C. HOPKINS, Esq.,
Professor of Law.

WILLIAM F. VILAS, LL. B.,
Professor of Law.

I. C. SLOAN,
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.

ALLAN D. CONOVER, C. E.,
Assistant in Civil Engineering.

MILTON R. FRENCH,
Instructor in Vocal and Instrumental Music.

MRS. D. E. CARSON,
Preceptress.

MISS S. A. CARVER,
Instructor in French and German.

MISS M. MURDOCK,
Instructor in English and Elocution.

I. COLLEGE OF ARTS.

The College of Arts is organized under the following section of the General Laws of 1866, Ch. cxiiv:

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.

The object of this section is to provide, not only for a general scientific education, but also for such a range of studies in the *applications of science* as to meet the wants of those who desire to fit themselves for agricultural, mechanical, commercial, or strictly scientific pursuits. The courses of study are such as to provide a sound education in the elements of science, and at the same time to give great freedom in the selection of studies according to the choice of the individual student. As higher demands are made, they will be met, by adding to the list of elective studies, and by the enlargement of the Faculty of Arts, so as to form distinct colleges, as provided for in the act of re-organization.

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

DEPARTMENT OF GENERAL SCIENCE. 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—Gray's Manual.
German—Lessing.
 Themes and Declamations throughout the year; also, German Composition.
 position.

SOPHOMORE YEAR.

FIRST TERM.

Conic Sections and Analytical Geometry—Loomis.
Practical Surveying—[Six weeks].
Rhetoric—Abbott's How to Write Clearly. [Nine weeks].
History.
Optional—French.
Optional—Icelandic.

SECOND TERM:

Zoology—Orton.
Analytical Geometry and Calculus—Loomis.
Rhetoric—Abbott's English Lessons. [Four weeks].
Crystallography—Lectures. [Eight weeks].
Optional—Icelandic.

THIRD TERM.

Calculus—Loomis.
Zoology—completed.
German—Goethe.
Optional—History and French Literature.
 Composition and Conversational Exercises in French and German throughout the year.

JUNIOR YEAR.

FIRST TERM.

Mechanics—Peck and Lectures.

Chemistry—Thorpe, Lectures, and Laboratory Practice.

English Literature—Shaw and Lectures.

SECOND TERM.

Physics—Deschanel and Lectures.

Chemistry—Thorpe, Lectures, and Laboratory Practice.

History—Hallam's Middle Ages, and Lectures.

THIRD TERM.

Physics—Deschanel and Lectures.

Mineralogy.

Analytical Chemistry.—Laboratory Practice.

SENIOR YEAR.

FIRST TERM.

Mental Philosophy—Bascom and Lectures.

Spherical Trigonometry and Astronomy—Loomis.

Geology—Dana and Lectures.

Lectures—Science of Language.

Optional—Metallurgy, Assaying.

SECOND TERM.

Moral Philosophy—Hickok.

Natural Theology—Chadbourne.

Logic—Deductive, Jevons and Lectures.

Political Economy—Walker and Lectures.

International Law—Lectures.

THIRD TERM.

Æsthetics—Bascom.

Logic—Inductive—Fowler and Lectures.

Constitutional Law—Story and Lectures.

Optional—Economic Geology.

COLLEGE OF LETTERS.

DEPARTMENT OF ANCIENT CLASSICS.

The course embraces the Ancient Classics, Mathematics, Natural Science, English Literature, and Philosophy, and is intended to be fully equivalent to the regular course in the best classical colleges in the country.

COURSE OF STUDY.

FRESHMAN YEAR.

FIRST TERM.

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

SECOND TERM.

Mathematics—Solid Geometry, Loomis.
Latin—Cicero de Officiis. Composition.
Greek—Herodotus. Grammar and Composition.
Optional—Norse.

THIRD TERM.

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

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SOPHOMORE YEAR.

FIRST TERM.

Classic Sections—Loomis. [Six weeks].*Rhetoric*—Abbott's How to Write Clearly. [Nine weeks].*Latin*—Horace. [Six weeks].*History*—[Nine weeks].*French.**Optional*—Greek.

SECOND TERM.

Zoology—Orton. [Eight weeks].*Rhetoric*—Abbott's English Lessons. [Four weeks].*Greek*.—Demosthenes.*French.**Optional*—Latin.

THIRD TERM.

Latin—Tacitus.*Greek*—Tragedies. Goodwin's Moods and Tenses.*Anglo-Saxon*—Carpenter's Reader.

JUNIOR YEAR.

FIRST TERM.

Mechanics—Peck and Lectures.*Chemistry*—Thorpe and Lectures.*English Literature*—Shaw and Lectures.*Optional*—Greek.

SECOND TERM.

Physics—Deschanel and Lectures.*History*—Lectures.*Greek*—Plato—Apology and Crito.*Optional*—Latin.

THIRD TERM.

Physics—Deschanel and Lectures.*Latin*—Quintilian or Juvenal.*Comparative Philology*—Capillon and Lectures.

UNIVERSITY OF TORONTO

SENIOR YEAR

FIRST TERM

Modern Philosophy—Russell and Moore.
 Logic—Form and Meaning.
 Physical Psychology and Accounting—Lewin.
 HISTORY TERM.

Modern Philosophy—Wicks.
 Natural Theology—Austen.
 Logic—Inductive—Persons and Lewin.
 Political Economy—Wicks and Lewin.
 International Law—Lewin.
 FIRST TERM.

Philosophy—Persons.
 International Law—Lewin and Lewin.
 Logic—Inductive—Persons.
 History of Civilization—Lewin.

DEPARTMENT OF MODERN CLASSICS.

In this course German and French take the place of Greek.
 The studies are arranged to give students a good knowledge of
 these languages and their literature, to fit them to engage in
 the duties of instruction, or to proceed to advanced studies
 abroad studies.

COURSE OF STUDY.

SENIOR YEAR.

FIRST TERM.

Mathematics—Higher Algebra. Lewin.
 Latin—Logic and Logic Comprehension.
 German—History & German Literature and Modern
 Literature—Lewin.

SECOND TERM.

Mathematics—Solid Geometry. Loomis.
Latin—Cicero de Officiis. Composition.
German—Schiller.
Optional—Norse.

THIRD TERM.

Mathematics—Plane Trigonometry and its Applications.
Botany—Gray's Manual.
German—Lessing.
Optional—Latin.
 Themes and Declamations throughout the course; also French and German Composition.

SOPHOMORE YEAR

FIRST TERM.

Conic Sections—Loomis. [Six weeks].
Rhetoric—Abbott's How to Write Clearly. [Nine weeks].
History—Swinton's Outlines. [Nine weeks].
Latin—Horace. [Six weeks].
French—Grammar.
Optional—Icelandic.

SECOND TERM.

Zoology—Orton. [Eight weeks].
Abbott's English Lessons.—[Four weeks].
French—Select Prose and Poetry.
German.—Goethe.
Optional—Icelandic.

THIRD TERM.

Latin—Vaclius.
Anglo-Saxon—Carpenter's Reader.
German—Goethe.
Optional—History of French Literature.

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JUNIOR YEAR

FIRST TERM.

Mathematics—Peck and Lectures.
Chemistry—Thorp and Lectures.
English Literature—Sklar and Lectures.

SECOND TERM.

Physics—Breschard and Lectures.
History—Lectures.
Chemistry—H. Verne's Raphael and Michael Angelo
Painting—J. A. Lawrence's Foreigner's Chronicle
Lectures—Lectures.

THIRD TERM.

Physics—Breschard and Lectures.
Latin—Quintilian or Devenet.
Compositions—Pittsburg—Psychology and Lectures
Lectures—History of German Literature.

SENIOR YEAR

FIRST TERM.

Modern Psychology—Breschard and Lectures.
Lectures—Breschard and Lectures.
Spherical Trigonometry and Astronomy—Lectures.

SECOND TERM.

Modern Psychology—Breschard.
Natural Theology—Chadbourne.
Lectures—Lectures, Lectures and Lectures.
Political Economy—Walker and Lectures.
International Law—Lectures.

THIRD TERM.

Philosophy—Breschard.
Lectures—Lectures, Lectures.
Lectures—Lectures, Lectures and Lectures.
Lectures of Lectures—Lectures.

POST-GRADUATE COURSE.

Bachelors of Art, Science, and Philosophy will be admitted to the University as candidates for an appropriate degree. They must devote two years to study under the direction of the President and Faculty, and pass a satisfactory examination before the Board of Examiners appointed by the Regents.

The studies are optional, but they must be selected from at least two sections, and the studies in some one section must be continued during the whole course.

The object of this course is to secure a higher grade of scholarship in Literature and Science, than it seems possible to attain in the present state of our colleges under the ordinary class-system.

COURSE OF INSTRUCTION.

SECTION I.—*Philosophy and History.*

History of Philosophy.

History of Institutions.

International Law and Jurisprudence.

II.—*Philology.*

Sanskrit.

Ancient and Modern Classic Languages.

Critical Study of English Literature.

Anglo-Saxon.

Comparative Grammar.

Science of Language.

III.—*Mathematics and Physics.*

Calculus of Variations.

Analytical Mechanics.

Dynamical Theory of Heat, Light, etc.

Practical Astronomy and Goedesy.

IV.—*Natural History.*

Botany.

Zoology.

Comparative Anatomy.

V.—*Natural Sciences.*

Mineralogy.

Geology.

Chemical Philosophy and Analysis.

VI.—*Applied Sciences.*

Mining Engineering.

Civil Engineering.

Mechanical Engineering.

Architecture.

Chemical Technology.

Metallurgy.

Economic Geology.

LECTURES.

In addition to the lectures given in connection with the recitations, some subjects are taught entirely by lectures, the students being required to take notes, and to recite upon the lecture as from a text-book.

The following are the regular Courses of Lectures:

To the SENIOR CLASS.—On Mental and Moral Philosophy and Esthetics, by the President; on Logic, by Prof. Carpenter; on History, by Prof. Allen; on Political Economy, Civil Policy and International Law, by Prof. Parkinson; on Geology and Economic Geology, on Mining Engineering, and on Metallurgy, by Prof. Irving; on Science of Language, by Prof. Fenling.

To the JUNIOR CLASS.—On Physics and Astronomy, by Prof. Davies; on History, by Prof. Allen; on English Literature, by Prof. Carpenter; on General, Analytical, and Applied Chemistry, by Prof. Daniels; on Metallurgy and Assaying, by Prof. Irving; and on Comparative Philology, by Prof. Fenling.

To the SOPHOMORE CLASS—On History, by Prof. Allen.

To the FRESHMAN CLASS—On the Laws of Health and Methods of Study, by the President.

In addition to these Courses, other Lectures are delivered on Special Subjects, by Members of the Faculty and other Scientific Gentlemen.