

BOARD OF TRUSTEES

APPENDIX E.

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF THE

WISCONSIN STATE UNIVERSITY,

FOR THE YEAR ENDING

DECEMBER, 1858.

BOARD OF REGENTS

Mathew	John H. Lathrop, President
Holmes	Charles Dyer
Cosville	Levi B. Vane
Stanton	Charles A. Dyer
Shelburne	John R. Williams
Madison	Levi B. Vane
Windsor	Alfred A. Dyer
Windsor	William W. Dyer
Windsor	G. A. Dyer
Windsor	David W. Dyer
Windsor	Harold A. Dyer
Windsor	Joseph A. Dyer
Windsor	John G. Dyer
Windsor	James G. Dyer
Windsor	Carl Dyer

Mathew	James H. Dyer, Secretary
Windsor	William W. Dyer, Treasurer

OF
SCIENCE, LITERATURE, AND ARTS.

JOHN H. LATHROP, LL.D., *Chancellor*,
And Professor of Ethics, Civil Polity, and Political Economy.

DANIEL READ, LL.D.,
Professor of Mental Philosophy, Logic, Rhetoric, and Didactics.

JOHN W. STERLING, A. M.,
Professor of Mathematics, Natural Philosophy, and Astronomy.

EZRA S. CARR, M. D.,
Professor of Chemistry, Natural History, and their Applications.

JAMES D. BUTLER, A. M.
Professor of Ancient Languages and Literature.

JOSEPH C. PICKARD, A. M.
Professor of Modern Languages and Literature.

JOHN F. SMITH, A. B.,
Tutor in Mathematics and Ancient Languages.

THOMAS D. CORYELL, A. B.,
Instructor in Mathematics, Practical Surveying, and Engineering.

DAVID H. TULLIS,
Instructor in Book-Keeping and Commercial Calculations.

JAMES D. BUTLER, A. M.,
Librarian.

Name.	Town.	State.
Edwin Larkin,	Madison,	Wisconsin.
J. J. Myers,	do	do
A. Menges,	do	do
Frank Munger,	do	do
L. J. Patch,	St. Peter,	Minnesota.
Joseph S. Paine,	Madison,	Wisconsin.
John Reynolds,	do	do
Addison A. Sterling,	Sterlingville,	Pennsylvania.
Halle Steensland,	Madison,	Wisconsin.
Frank Smith,	do	do
William F. Vilas,	do	do

SUBJECTS OF INSTRUCTION

IN THE

DEPARTMENT OF SCIENCE, LITERATURE AND THE ARTS.

CLASSICAL COURSE.

FIRST YEAR.

First Term.—Algebra, Loomis'.
Livy.
Herodotus.
History of United States.

Second Term.—Algebra.
Plane Geometry.
Livy.
Herodotus.
General History.

Third Term.—Solid Geometry.
Plane Trigonometry.
Horace,—Odes.
Homer,—Iliad.
English Language.

SECOND YEAR.

First Term.—Mensuration, Surveying, and Navigation.
Engineering.
Horace,—Satires.
Homer,—Iliad.
Fasquelle's French Course.
Colloquial Reader.

Second Term.—Analytic Geometry.
Cicero,—De Oratore.
Isocrates.
Fasquelle's Napoleon.
Picciola.

Third Term.—Calculus.
Tacitus,—History. 2
Æschylus,—Prometheus.
Translations into French.
Collet's Dramatic Reader.

THIRD YEAR.

First Term.—Mechanical Philosophy.
General Physics.
Tacitus,—Germania.
Demosthenes,—De Corona.
Rhetoric and English Literature.
German Reader,—Woodbury.

Second Term.—Spherical Trigonometry.
Mechanical Philosophy.
General Physics.
Juvenal.
Æschylus,—Agamemnon.
Schiller's Thirty Years' War.
Mental Philosophy,—Intellectual Powers.

Third Term.—Astronomy.
Meteorology.
Quintilian,—Book Tenth.
Plato,—Gorgias,
Mental Philosophy,—Active Powers.
Logic.
Translations into German.
Adler's Hand Book.

FOURTH YEAR.

First Term.—Ethics.
International Law.
History of Philosophy.
Chemical Philosophy.
Becker's German Grammar.
Adler's Hand Book.

Second Term.—Civil Polity.
Constitutional Law.
Chemistry of the Metals.
Organic Chemistry.
German Drama,—Goethe and Schiller.

Third Term.—Political Economy.
Geology.
Botany.
Physiology.
Goethe's Faust.
Writing German.

The chart, on the next page, will present to the eye, in another form, the subjects of study in their order.

Year	Term	Subjects
1870	1	Calculus
	2	Calculus
	3	Calculus
1871	1	Calculus
	2	Calculus
	3	Calculus
1872	1	Calculus
	2	Calculus
	3	Calculus
1873	1	Calculus
	2	Calculus
	3	Calculus
1874	1	Calculus
	2	Calculus
	3	Calculus
1875	1	Calculus
	2	Calculus
	3	Calculus
1876	1	Calculus
	2	Calculus
	3	Calculus
1877	1	Calculus
	2	Calculus
	3	Calculus
1878	1	Calculus
	2	Calculus
	3	Calculus
1879	1	Calculus
	2	Calculus
	3	Calculus
1880	1	Calculus
	2	Calculus
	3	Calculus
1881	1	Calculus
	2	Calculus
	3	Calculus
1882	1	Calculus
	2	Calculus
	3	Calculus
1883	1	Calculus
	2	Calculus
	3	Calculus
1884	1	Calculus
	2	Calculus
	3	Calculus
1885	1	Calculus
	2	Calculus
	3	Calculus
1886	1	Calculus
	2	Calculus
	3	Calculus
1887	1	Calculus
	2	Calculus
	3	Calculus
1888	1	Calculus
	2	Calculus
	3	Calculus
1889	1	Calculus
	2	Calculus
	3	Calculus
1890	1	Calculus
	2	Calculus
	3	Calculus

Year	Term	TABULAR STATEMENT OF SUB-GRADUATE COURSE.		EXTRA COURSE.
FIRST.	1	Algebra. Livy. Herodotus.	History of U. S.	
	2	Algebra. Plane Geometry. Livy. Herodotus.	General History.	
	3	Solid Geometry. Plane Trigonometry. Horace.—Odes. Homer.—Iliad.	English Language.	
SECOND.	1	Mensuration, Surveying, Nav., Engineering. Horace.—Satires. Homer.—Iliad.		Fasquelle's French Course. Colloquial Reader.
	2	Analytic Geometry. Cicero.—De Oratore. Isocrates.		Fasquelle's Napoleon. Colloquial Reader.
	3	Calculus. Tacitus.—History. Aeschylus.—Prometheus.		Translation into French. Collet's Dramatic Reader.
THIRD.	1	Mechanical Philosophy. General Physics. Tacitus.—Germania. Demosthenes.—De Corona.	Rhetoric. English Literature.	German Reader.
	2	Spherical Trigonometry. Mechanics, Physics. Juvenal. Aeschylus.—Agamemnon.	Mental Philosophy—Intellect- ual Powers.	Schiller's Thirty Years War.
	3	Astronomy. Meteorology. Quintilian—Book Tenth. Plato.—Gorgias.	Mental Philosophy.—Active Powers. Logic.	Translations into German. Adler's Hand Book.
FOURTH.	1	Chemical Philosophy. Ethics. International Law.	History of Philosophy. Christian Evidences.	Becker's German Grammar. Adler's Hand Book.
	2	Chemistry of the Metals, Organic Chemistry. Civil Polity.		German Drama.—Goethe and Schiller's
	3	Geology, Botany. Physiology. Political Economy, History of Civilization.		Goethe's Faust, German Composition.

SCIENTIFIC COURSE.

A parallel course of study, under the above designation, equivalent to the classical course, occupying four years, will be arranged under an ordinance of the Board of Regents, for the benefit of such students as desire to substitute advanced scientific studies, for the Latin and Greek languages and literature. This course will be set forth in the next annual report. In the mean time, Scientific students may pursue, in connection with the present University Classes, branches of study which will be common to the two courses. In order to a ready selection, the following table will set forth all the common subjects of study, for the year, arranged by terms:

FIRST TERM: Beginning the third Wednesday of Septem- ber.	SECOND TERM. Beginning the first Wed- nesday in January.	THIRD TERM. Beginning the fourth Wednesday of April.
Algebra. Plane Trigonometry. Mensuration. Surveying, Navigation. Engineering. Mechanical Philosophy. General Physics. Chemistry. Ethics. International Law. History of U. S. Rhetoric. English Literature. History of Philosophy. Christian Evidences. French Language. German Language.	Plane Geometry. Analytical Geometry. Spherical Trigonometry. Mechanics, Physics. Chemistry of the Metals. Organic Chemistry, Civil Polity. Constitutional Law. General History. Mental Philosophy. French Language. German History—Schiller, and Schiller. German Drama,—Goethe, and Schiller.	Solid Geometry. Plane Trigonometry. Calculus. Astronomy. Meteorology. Geology. Botany. Physiology. Political Economy. Hist. of Civilization. English Language. (its history & analysis.) Mental Philosophy. French Drama. Adler's Hand Book, (German.) German Composition.

ENTRANCE.

Candidates for entrance upon the first year of the Classical Course, in the University, must be able to pass an examination in the studies embraced in the following curriculum, covering three years for young beginners. Admission will depend on examination, and not on the length of time spent in preparation:

Year.	Term.	STUDIES.	STUDIES.	STUDIES.
FIRST.	1.	Latin Grammar, Latin Reader.	Higher Arithmetic.	English Grammar.
	2.	Latin Grammar and Reader.	History.	English Grammar.
	3.	Latin Reader.	History.	English Composition.
SECOND.	1.	Cæsar's Commentaries.	History.	Greek Lessons, (Crosby's.)
	2.	Cæsar.	Elementary Algebra.	Greek Lessons.
	3.	Cicero.	Elementary Algebra.	Greek Lessons.
THIRD.	1.	Cicero.	Higher Algebra.	Anabasis, (Crosby's.)
	2.	Virgil.	Algebra.	Anabasis.
	3.	Virgil.	Plane Geometry.	Anabasis.

The subjects of study belonging to the Department of Science, Literature, and the Arts, are distributed under the following heads:—Each one of which is placed under the charge of a Professor, with such assistance as may be necessary, who is responsible for the progress and attainments of the students therein.

ETHICAL AND POLITICAL SCIENCE.

JOHN H. LATHROP, LL. D., *Professor.*

The instructions of this chair are rendered, in course, to subgraduates of the fourth year, and to such other students of the University, as elect to attend. The subjects of instruction are eminently adapted to prepare the student to become a good and useful citizen of the republic, and to fit him for civil service in the same. The course occupies a year, one exercise each day.

Fall Term.

ETHICS,—Moral obligation; Development of Moral Law; Sanctions of Moral Law; Practical applications of the Science.

The text-book, Wayland's Elements of Moral Science, is used, merely as suggesting a convenient series of topics for oral lecture, and for familiar discussion in class.

Winter Term.

CIVIL POLITY,—Political Ethics; Science of Government; The American Constitution; International Law; History of Civilization.

This class of subjects is taught wholly by lecture, with intermediate examination and discussion. The student is required to write out his views on each topic, from minutes taken in the lecture room, and at stated periods, to read his results before the class.

Summer Term.

POLITICAL ECONOMY,—Production of Material Wealth; Distribution, Exchange and Consumption; Applications of the Science; Relations to Civilization.

The discussion of this subject in class, is in the order of topics suggested by Say in his Treatise on the Production, Distribution, and Consumption of Wealth.

MENTAL PHILOSOPHY, LOGIC, RHETORIC, AND ENGLISH LITERATURE.

DANIEL READ, LL. D., *Professor.*

The instructions of this chair are rendered to subgraduates of the first, third, and fourth years. An *extra* course on English Literature will be given annually to students not of the regular classes.

The course of instruction in *Intellectual Philosophy* embraces an analysis of the powers of the human mind, *active* and *moral*, as well as those denominated *intellectual*, the examination of those powers in reference to criticism, to teaching, to the improvement of the individual and the progress of society. It includes also, a critical review of the systems of philosophy, which have prevailed among men.

Logic is taught as to its principles and application; an outline of the laws of evidence and human belief is given; and in connexion with this part of the subject, the evidences of Christianity are examined.

Rhetoric, so far as relates to the subjects of *invention* and *disposition*, is taught by lectures, upon the basis of Quintillian and Cicero; and, as regards *style* and *criticism*, upon that of modern writers.

In the course of English Literature are included the history of the English language, an examination of its elements,

powers, and grammar, and the history of English Literature in its various departments.

In *history* Webber's outlines will be used as a text-book, and a course of lectures will be given on the civil history of the United States.

MATHEMATICS AND NATURAL PHILOSOPHY.

J. W. STERLING, A. M., PROFESSOR.

The studies of this Chair, as at present arranged, are as follows:

First Year.

- Terms. $\left\{ \begin{array}{l} 1. \text{ Algebra.} \\ 2. \text{ do} \\ 3. \text{ Solid Geometry and Plane Trigonometry.} \end{array} \right.$

Second Year.

- Terms. $\left\{ \begin{array}{l} 1. \text{ Mensuration, Navigation, Surveying, Engineering.} \\ 2. \text{ Analytical Geometry.} \\ 3. \text{ Calculus.} \end{array} \right.$

Third Year.

- $\left\{ \begin{array}{l} 1. \text{ Analytical Mechanics, General Physics, (Lectures.)} \\ 2. \text{ Analytical Mechanics, General Physics, (Lectures), Spherical Trigonometry.} \\ 3. \text{ Astronomy, Meteorology, (Lectures.)} \end{array} \right.$

The course in Physics and Meteorology, consists of two lectures per week, running through the year. The hour of the lecture does not interfere with any other exercise. The object of this arrangement is to enable all who choose to attend this as a fourth exercise.

The course in Surveying and Civil and Mechanical Engineering, Thomas D. Coryell, A. B., Instructor, is intended,

1st. Fully to prepare the student to discharge the active duties of the Surveyor and Engineer.

2d. To discipline and strengthen the mental faculties by rendering the instruction in the manner best adapted to the purposes of education.

This department has been opened during the Fall term by instruction in the theory and practice of surveying and Civil Engineering. A knowledge of Algebra, Geometry, and Trig-

onometry is required as a preparation for admission to the field exercises.

From the beginning of the next year, Mechanical Engineering, Architecture and Drawing will be embraced in this course, in addition to the above. The order of study is not yet arranged, but will be announced before the beginning of the year.

CHEMISTRY, NATURAL HISTORY AND THEIR APPLICATIONS.

EZRA S. CARR, A. M., M. D., *Professor.*

The instruction in this department is given by lectures and demonstrations on the part of the professor and students, together with examinations.

The recitation of the student consists in his giving a lecture, illustrated with experiments and demonstrations on the same subject and after the manner of the Professor, thus not only necessarily acquiring an intimate knowledge of the subject discussed, but at the same time the faculty of communicating his knowledge.

The subjects discussed embrace a full illustration of all the topics of theoretical or practical importance, and their applications to the useful arts, the processes of common life, Agriculture, Philosophy, &c.

Fall Term.

Chemical Philosophy, Chemistry of the Non Metallic Elements, Fuel, Heating, Lighting, Ventilation, &c.

Winter Term.

Chemistry of the Metals and Metallurgy, Organic Chemistry, including the Chemistry of Animal and Vegetable Life, the Preparation, Preservation, Uses of food, &c.

Spring and Summer Term.

BOTANY.—The Plant being first considered as an individual in reference to the nature and processes of vegetable life; Second, its relation to other plants, or the Vegetable Kingdom; Third, its uses.

GEOLOGY.—Considered especially in relation to the uses of rocks, and their relations to useful minerals.

Text Books.

CHEMISTRY.—Silliman, Regnault, Gmelin, Johnston's Chemistry of Common Life, Tounson's Hand Book of Household Science, Knapp's Technology.

BOTANY.—Wood, Grey's Works, Lindley's Vegetable Kingdom.

GEOLOGY.—Hitchcock's, Lyell, Delabeche, Geological Reports of the different States.

ANCIENT LANGUAGES AND LITERATURE.

JAMES D. BUTLER, A. M., PROFESSOR.

COURSE OF STUDY.

First Year.

LATIN.

- Terms. { 1. Livy.
2. Livy.
3. Horace—Odes.

GREEK.

- Terms. { 1. Herodotus, or Felton's Historical Selections.
2. The same continued.
3. Homer—Iliad.

Second Year.

LATIN.

- Terms. { 1. Horace—Satyrs.
2. Cicero de Oratore.
3. Tacitus—History.

GREEK.

- Terms. { 1. Homer—Iliad.
2. Socrates—Panegyricus.
3. Aeschylus—Promethens.

Third Year.

LATIN.

- Terms. { 1. Tacitus—Germania and Agricola.
2. Juvenal.
3. Quintilian—Book Tenth.

GREEK.

- Terms. { 1. Demosthenes de Corona.
2. Aeschylus—Agamemnon.
3. Plato—Georgias.

Those candidates for the degree of A. B., who so choose, are permitted to pursue Modern Languages in place of the Ancient, through the third year.

Latin and Greek will be taught, when necessary, from their elements; but, the University course proper, will embrace not only composition in those tongues, but a wide range of classical reading. It will be required that all translations aim at that accuracy, promptness, force, and beauty of expression, which such a training is suited to bestow.

Classical Geography will be illustrated by Kiepert's mural maps, the whole series of which hangs in the class-room. The light always radiating from words upon things, as on religion, art, philosophy, nationality, and the whole manner of ancient life, will be daily traced. No pains will be spared to make the classical languages elucidate our own vernacular. Throughout the curriculum, the study will be an exercise, not of mere verbal memory, but of philosophical memory, of discrimination; of rendering reasons; and of research, concerning things, no less than words.

The time needful for completing this course will vary with the diligence and previous attainments of students

Among the reference books which it is desirable that philological students should have on their tables—in addition to the grammars, of Crosby for Greek and Andrews for Latin, and the lexicons of Andrews for Latin and Liddell and Scott for Greek, may be mentioned:

Rich's Companion to the Latin Dictionary and Greek Lexicon.

Smith's Dictionary of Greek and Roman Geography, Biography, Mythology and Antiquities. 6 vols. 8vo.

Doederlin's, or Ramshorn's Latin Synonyms.

Finlay's Classical Atlas.

Becker's Gallus and Charicles.

MODERN LANGUAGES AND LITERATURE.

JOSEPH C. PICKARD, A. M., *Professor.*

The instructions of this Chair will embrace,
1st. The French and German languages and their Literature.
2nd. Comparative Philology and the principles of the Science of Language.

There are two classes in German, one for beginners, the other for more advanced students.

Extra instruction will be given, when desired, in Italian and Spanish, and in the English in its Anglo-Saxon forms.

FRENCH.

First Term.—Fasquelle's French Course.
" " Colloquial Reader.

Second Term.—Fasquelle's Course, continued.
" Napoleon.
Picciola.

Third Term.—Translations into French.
Collot's Dramatic French Reader.

GERMAN.

First Year.

First Term.—Woodbury's Method, and Reader.
Second Term.—do. do.; Schiller's 30 Years War.
Third Term.—Translations into German; Adler's Handbook.

Second Year.

First Term.—Becker's Grammar; Adler's Handbook.
Second Term.—do. do.; Schiller's and Goethe's dramas.
Third Term.—Goethe's Faust; Writing German.

BOOK-KEEPING AND COMMERCIAL CALCULATIONS.

DAVID H. TULLIS, *Instructor.*

This school has for two years been in successful operation in the City of Madison under the denomination of "Bacon's Commercial College." It is now a part of the University, and will soon be transferred to the rooms designed for it in the main edifice. At present rooms are occupied in Bruen's Block. The course of study consists of,

1st. Double Entry Book-Keeping, embracing the various departments of Trade and Mercantile accounts, viz: Wholesale and Retail, Stock and Partnership Books, Shipping, Steam Boating, Railroading, Banking, Manufacturing, Commission, Joint Stock, and Company Business.

2nd. Commercial calculations, comprising the system of calculations appertaining to Percentage, Equation of Payments, Compound Equations, Exchange, (Domestic and Foreign), Arbitration of Exchange, General Average, Arbitration of Merchandise, Tonnage of Vessels, Storage, and Custom House Transactions.

3d. Business Penmanship.

4th. Commercial Forms and Correspondence, including Forms of Invoices, Accounts current, Account Sales, Bills of Lading, Promissory Notes, Orders, Checks, Drafts, Bills of Exchange, Articles of Copartnership, and Business Letters.

5th. Lectures on Customs of Merchants, Rules of Trade, &c., &c.

It is the purpose of the Board of Regents in the establishment of this Instructorship, to afford the student an ample opportunity to qualify himself for prosecuting the Mercantile Profession in any Department, and to any extent.

Students are taught separately and not in classes, and can enter at any time they choose.

NORMAL DEPARTMENT.

DIDACTICS, OR THEORY AND ART OF TEACHING.

DANIEL READ, LL. D., *Professor.*

In this school a course of Lectures was delivered during the summer term on various topics relating to education and the preparation of teachers for their profession. These lectures were open to the body of students, and were attended as to part of the course by a majority of the whole number.

The subjects embraced in the course were such as the following: Education—what is it?; physical education; intellectual education; æsthetical education; an examination of the powers of the mind as to communicating and receiving knowledge; who do the work of education, the office of the teacher, and the importance of making teaching a distinct profession; the school house and its proper furniture and appointments; school polity and discipline; incentives to study; mode of hearing recitations; punishments; premiums; graded schools; school libraries; proper methods of teaching different subjects; what can the State do; school laws of Wisconsin, &c.

As a part of the course, students also were appointed to prepare and read papers on subjects of special interest relating to education, and to institutions for promoting learning.

The Board of Regents have taken measures to make the training and instruction of teachers a prominent part of the work of the University in the scheme of State education. To this end, the Hon. Henry Barnard, Chancellor elect of the University, who has made Normal Schools a subject of special attention, is to render his service as a Professor in this School, with such aid from other Professors as may be necessary to carry out complete plan of Normal instruction.

PREPARATORY COURSES.

JOHN F. SMITH, A. B., *Tutor.*

In accordance with the ordinance of the Board, preparatory instruction will continue to be rendered to students desirous of entering the University Schools, until such time as the system of public instruction shall be so far perfected, that the graded schools of the higher order, may assume the preparatory instruction of the youth of the State. The Board assign the close of the academic year 1862-3, as the period, from and after which, this school, as an attachment to the University, shall be entirely dispensed with. While it continues in operation, the most ample provision will be made for the faithful and thorough instruction of all such as choose to avail themselves of its advantages.

For the subjects of study embraced in the preparatory course, reference is made to the schedule on a preceding page.

UNIVERSITY SCHOOLS.

The foregoing chairs belong to the Department of Science, Literature, and the Arts, and are arranged by ordinance of the Board, into the following schools, namely:

SCHOOL OF PHILOLOGY. *Philology*

HENRY BARNARD, LL. D., *Chancellor.*

DANIEL READ, LL. D.,
Professor of Mental Philosophy, Logic, Rhetoric, and English Literature.

J. H. LATHROP, LL. D.,
Professor of Ethical Philosophy.

The subjects of study in this school are Mental Science, Logic, History, Æsthetics, and English Literature.

SCHOOL OF PHILOSOPHY. *Philology*

HENRY BARNARD, LL. D., *Chancellor.*

JAMES D. BUTLER, A. M.,
Professor of Ancient Languages and Literature.

JOSEPH C. PICKARD, A. M.,
Professor of Modern Languages and Literature.

DANIEL READ, LL. D.,
Professor of English Literature.

The subjects of study in this school are Ancient Languages and Literature—Modern Languages and Literature.

SCHOOL OF POLITY.

HENRY BARNARD, LL. D., *Chancellor.*

JOHN H. LATHROP, LL. D.,
Professor of Ethical and Political Science.

DANIEL READ, LL. D.,
Lecturer on International Law.

DAVID H. TULLIS,
Instructor in Commercial Science.

The subjects of instruction in this school are General Ethics, Political Ethics, Constitutional Law, International Law, Political Economy, and History of Civilization.

SCHOOL OF NATURAL SCIENCE.

HENRY BARNARD, LL. D., *Chancellor.*

EZRA S. CARR, M. D.,
Professor of Chemistry and Natural History.

JOHN W. STERLING, A. M.,
Professor of Natural Philosophy and Mathematics.

JOHN H. LATHROP, LL. D.,
Professor of Ethical and Political Science.