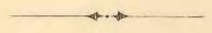


CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF THE
UNIVERSITY OF WISCONSIN

For the year ending June 21, 1871,

WITH A STATEMENT OF THE
COURSES OF INSTRUCTION IN THE SEVERAL DEPARTMENTS.



MADISON, WIS.:
ATWOOD & CULVER, BOOK AND JOB PRINTERS, JOURNAL BLOCK.
1871.

BOARD OF REGENTS.

STATE SUPERINTENDENT OF PUBLIC INSTRUCTION. *Ex-officio* Regent.

Terms expire first Monday in February, 1872.

1st Congressional District	H. K. SMITH	Milwaukee.
6th do.....do	ANGUS CAMERON	La Crosse.
4th do.....do	C. S. HAMILTON	Fond du Lac.
2d do.....do	J. C. GREGORY	Madison.
2d do.....do	N. B. VAN SLYKE	Madison.

Terms expire first Monday in February, 1873.

2d Congressional District	R. B. SANDERSON	Madison.
4th do.....do	F. O. THORPE	West Bend.
1st do.....do	J. R. BRIGHAM	Milwaukee.
3d do.....do	W. W. FIELD	Boscobel.

Terms expire first Monday in February, 1874.

3d Congressional District	H. H. GRAY	Darlington.
5th do.....do	AUG. L. SMITH	Appleton.
1st do.....do	B. R. HINCKLEY	Oconomowoc.
5th do.....do	JACOB S. BUGH	Wautoma.

OFFICERS.

C. S. HAMILTON,
President.

JOHN S. DEAN,
Secretary.

STATE TREASURER,
Ex-officio Treasurer.

Executive Committee,
N. B. VAN SLYKE, J. C. GREGORY, R. B. SANDERSON.

Farm Committee,
R. B. SANDERSON, B. R. HINCKLEY, H. H. GRAY.

Farm Superintendent.
H. H. McAFFE.

FACULTY AND INSTRUCTORS.

J. H. TWOMBLY, D. D.,

*President and Professor of Mental and Moral Philosophy.

JOHN W. STERLING, PH. D.,

Vice President and Professor of Natural Philosophy and Astronomy.

JOHN B. PARKINSON, A. M.,

Professor of Mathematics.

STEPHEN H. CARPENTER, LL. D.,

Professor of Logic, Rhetoric and English Literature.

WILLIAM F. ALLEN, A. M.,

Professor of Latin and History.

ALEXANDER KERR, A. M.,

Professor of Greek Language and Literature,
and Principal of Preparatory Department.

JOHN B. FEULING, PH. D.,

Professor of Modern Languages and Comparative Philology.

W. W. DANIELLS, M. S.,

Professor of Agriculture and Analytical Chemistry.

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

Professor of Natural History and Chemistry.

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

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

MAJ. WM. J. L. NICODEMUS, A. M.,

Professor of Military Science and Civil Engineering.

R. B. ANDERSON, A. M.,

Instructor in Languages.

* Elected June, 1871.

HON. L. S. DIXON, LL. D.,
Chief Justice of the Supreme Court of Wisconsin,
Professor of Law.

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

HON. WILLIAM PENN LYON,
Associate Justice of the Supreme Court of Wisconsin,
Professor of Law.

HON. H. S. ORTON, LL. D.,
Dean of Law Faculty.

J. H. CARPENTER, Esq.,
Professor of Law.

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

D. B. FRANKENBURGER, PH. B.,
Instructor.

A. C. PARKINSON, A. B.,
Instructor.

ROBERT M. BASHFORD, A. B.,
Instructor.

STEPHEN LEAHEY, PH. B.,
Instructor.

MISS CLARISSA L. WARE,
*Preceptress.

Mrs. D. E. CARSON,
†Preceptress.

Miss JOSEPHINE MAGOON,
†Assistant Preceptress.

Miss LIZZIE S. SPENCER, PH. B.,
Instructor.

MISS LOUISA BREWSTER,
Teacher of Drawing and Painting.

* Resigned.

† Elected June, 1871.

STUDENTS.

RESIDENT GRADUATE.

<i>Name.</i>	<i>Residence.</i>
Stephen Leahey - - -	Portland.

SENIORS.

COLLEGE OF ARTS.

<i>Name.</i>	<i>Residence.</i>
Theodore Lee Cole - - -	La Crosse.
Dennis William Grady - - -	Monchess.
Robert Orr - - -	Bunker Hill.
Michael William Pepper - - -	Cedarburg.
George Washington Raymer - - -	Monroe.
Henry Reid - - -	Jeddo.
John Stewart - - -	Farmington.
Quincy Orlin Sutherland - - -	Syene.
Orvey J. Taylor - - -	Middleton.
Volney Underhill - - -	Eagle.
Albert Watkins - - -	Linden.
John William Whelan - - -	Monchess. —12.

COLLEGE OF LETTERS.

John Wesley Bashford - - -	Fayette.
Henry Smith Bassett - - -	Carimona, Minn.
Leonard Wright Colby - - -	Freeport, Ill.
John Alexander Gaynor - - -	Sussex.
John Franklin Glover - - -	Monroe.
Charles Noble Gregory - - -	Madison. —6.

I. COLLEGE OF ARTS.

The College of Arts is organized under the following section of the General Laws of 1866, Chap. 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 fitness 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 will 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 plain 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 course of study is 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 reorganization.

The Departments of Agriculture, Mining and Metallurgy, and Engineering are branches of this college.

Those who wish to make Agriculture, Mining and Metallurgy or Engineering specialties, pursue the courses of study prescribed in those Departments, but all the scientific instruction in

this College is given with special reference to Agriculture and other useful arts.

DEPARTMENT OF AGRICULTURE.

1st. It is the design of the University to give in this department to the graduates of colleges, and to others of proper age and acquirements, a thorough course of instruction directly pertaining to Agriculture, which will enable them to conduct the operations of a farm both intelligently and profitably.

This course is so arranged that the instruction in the class room can be completed in a single year by students already well acquainted with the physical sciences, while an opportunity will be given to those who desire it for extended laboratory practice, for a higher course in Botany, and for instruction in conducting experiments in Agriculture and Horticulture, thus making a full three years course of study.

2d. To give a wide range of optional studies in connection with the department of Philosophy, so as to secure a three years course of instruction, that will combine thorough mental discipline with theoretical and practical knowledge of the relation of science to Agriculture.

With these ends in view, the studies have been so arranged that a student may devote his entire time to Agricultural studies, or he may take one study from this course, and such studies from the Department of Philosophy as he is able to pursue.

He can graduate when he has completed a course equivalent to that in the Department of Philosophy.

Students in this, as in all other Departments of the University, can enter at any time on examination, can pursue such studies as they choose, and receive a certificate of attendance.

Special attention is called to the following characteristics of the course:

BOTANY.—Besides a thorough course in Structural, Physiological, and Systematic Botany, that will familiarize the student

with the characteristics of the Natural orders, and their relations to each other, the course in Practical Botany will teach him the habits, extent, and relative importance of those species that are of practical interest.

PRACTICAL AGRICULTURE.—In this branch of instruction it is the design to give a thorough discussion of the most approved methods of conducting the practical operations of the farm, to give the results of well tried experiments, and the principles to be deduced from them, and to show how experiments must be conducted to make them of practical value.

To aid this department, the University farm will be used, as rapidly as it can be brought into suitable condition, for the conducting of experiments in Agriculture and Horticulture.

METEOROLOGY.—Besides the general principles of Physical Geography, and the laws of the formation and disposition of dews, frosts, etc., instruction will be given in the changes of climate produced by man, in building levees, in draining wet districts, and in the removal or planting of forests.

In **HORTICULTURE**, instruction will be given in forcing plants by artificial heat, in the various methods of artificial propagation, in the economic value of small fruits and the most approved methods of producing them, and in the general principles of laying out and beautifying ornamental grounds.

CHEMISTRY.—By reference to the course, it will be seen that as soon as the student has been made thoroughly acquainted with the elements, and the general principles of chemical affinity and combination, instruction will be given him in the laboratory, where he will, with his own hands, apply the tests required to determine the composition and properties of bodies, and thus become practically familiar with the methods used in chemical investigations. It is intended to make this course sufficiently thorough to fit him to enter upon a higher course of quantitative chemical analysis, should he desire it.

It will be seen that Organic Chemistry is taught with particular reference to its economic applications.

In Agricultural Chemistry proper, the course is sufficiently extended to give the student a thorough knowledge of the relations of Chemistry to Agriculture, and its applications to the various operations of the farm.

ZOOLOGY.—The entire course of this science is given with particular reference to the demands of the farmer. And in addition to the principles of classification and history of domestic animals, it is believed that the course in Entomology will prove of great value—teaching, as it does, the habits of injurious species, and the means of destroying them or of preventing their depredations.

FORESTRY.—The instruction in Forestry will include the best methods of cultivating forest trees and the relative value of different varieties of trees for timber, for fuel, or for screens to modify the effect of severe winter winds.

INDUSTRIAL STATISTICS.—Under this head it is proposed to give an account of the industrial productions of the country and their relative commercial value.

HISTORY OF AGRICULTURAL EDUCATION will consist of a brief account of the efforts that have been made in this and other countries, to advance the interests of agriculture, by the direct application of science.

In addition to the studies on agriculture, courses of lectures will yearly be given by the President, the resident Scientific Professors, and by Professors and Lecturers from abroad, who have made a special study of the various subjects relating to agriculture. By the employment of non-resident lecturers, the University will have the benefit of the scientific knowledge and practical skill of gentlemen in this and other States whose services as permanent professors could not be secured.

In the present state of agricultural education, any course of study may be regarded as an experiment. An institution, or any department of instruction in it, must be modified until it meets the wants of the people. Their wants will be learned by the de-

mands the students make for instruction, when different courses of study are presented for their acceptance.

The foregoing course of study is believed to be one that will, in the main, meet the requirements of the agriculturalists of the state, embracing as it does, either as a distinct agricultural course, or in connection with the department of Philosophy, a full educational course, such as those Agricultural Colleges that have been most successful have adopted after years of experience.

The land given by congress has been located, and when sold will afford abundant means for carrying on this department in the most liberal manner. In the mean time every effort will be made with the means now at the command of the University, to meet the wants of all students who present themselves, as well as the reasonable demands of the people.

DEPARTMENT OF MILITARY SCIENCE.

Physical culture, so long neglected in the schools of this country, is now everywhere claiming the attention of educators. Cultivated intellect, in the absence of muscular energy, is inadequate to promote the welfare of society, or the happiness of its possessor. Aware of this fact, the Regents have adopted means to secure the physical training of the students. The Military Department is thoroughly organized and placed under the direction of Major W. J. L. NICODEMUS, late of the United States Army. By action of the Board of Regents, military drill is required of all the members of the Sophomore and Freshman Classes, who must provide themselves with the prescribed uniform, on consultation with Major NICODEMUS. This uniform is cheap, neat, and suitable for ordinary wear. It is expected that many students not connected with these classes, will join the battalion. This is earnestly recommended as furnishing a most healthful exercise. Students will be required to drill only three hours a week. Those who join the battalion will be subject to all the rules of the Department, and cannot withdraw without special action of the Faculty.

II. COLLEGE OF LETTERS.

The course pursued in this College is the usual classical course, consisting of a complete course in Classics, Mathematics, Science and Literature, and is intended to be fully equal to that pursued in the best colleges in the country. While great care is taken by the authorities of the University to furnish young men with the means of obtaining a thorough preparation for the various departments of business, those studies which enable the student to secure the treasures of ancient wisdom and bring him into sympathy with the great thinkers of past ages will receive a requisite share of the time of instructors and students.

PREPARATORY DEPARTMENT.

The object of this Department is to fit young men for entering either the College of Arts or the College of Letters. It is not desinged to do the work of Common Schools. Each member of the Faculty has a general direction of the studies pertaining to his department, and renders such assistance as may be required. Those who enter this Department are subject to the same rules, and allowed the same privileges as College Students. Many apply who are not fitted to enter. To prevent disappointment, application should be made by letter, stating the age and acquirements of the applicant.

Candidates must not be under twelve years of age, and will be examined in Reading, Spelling, Penmanship, Arithmetic through Interest, English Grammar, and Descriptive Geography.

The Preparatory Course for the College of Arts, is as follows:

- First Term.* Physical Geography.
History of the United States—Scott.
Elementary Algebra—Robinson.
- Second Term.* Arithmetic—Robinson.
Modern History—Labberton's Outlines.
Elementary Algebra—finished.

- Third Term.* Sentential Analysis—Greene.
History of England—Smith.
Plane Geometry—Loomis.

The Preparatory Course for the College of Letters, consists of the studies given above, and also of the following:

Allen's Latin Grammar, Lessons, Reader (to p. 174) and Composition; four Orations of Cicero; Leighton's Greek Lessons; Goodwin's Greek Grammar and Reader; History of Greece and Rome, (Smith); Classical Geography and Antiquities.

NOTE.—The following three years course is recommended to students who prepare for the College of Letters:

First Year. Latin begun; Physical Geography; Arithmetic; Sentential Analysis; History of United States, Modern *Europe and *England.

Second Year. Latin, cont'd; Greek, begun; Ancient History, Geography, &c.

Third Year. Latin and Greek, cont'd; Elementary Algebra; Plane Geometry.

POST GRADUATE COURSE.

Bachelors of Art, Science and Philosophy, will be admitted to the University as candidates for the degree of Doctor of Philosophy. 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.

Students who have pursued this course for one year, on satisfactory examination, are entitled to the Master's Degree.

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

Those who enter upon it will receive all needed counsel and instruction; but they will be encouraged to pursue their studies as specialties, not limited as to time or interfered with by other studies as in the College course.

*Anderson's General History and History of England are recommended as substitutes for those above.

III. FEMALE COLLEGE.

The course of study in this College is similar to that in the College of Arts, and is designed to be fully equivalent to it.

In addition to the prescribed course, young ladies will be instructed in any study taught in the College of Letters or Arts, for which they are prepared. They may also attend all University lectures.

Ladies and gentlemen will unite in class exercises when, in the judgment of the Faculty, such an arrangement shall be desirable.

Students who do not desire to graduate may enter at any time, and pursue any study of the term for which they may be prepared.

The Female College building now in process of erection will be completed early in October; until that time the South College building will be occupied by the members of this College, and will be under the immediate charge of the Preceptress, who, with her associate teachers, will reside in the building.

This edifice has rooms for the accommodation of about eighty ladies. Besides these private rooms, there are others for the use of pupils in Music, Painting and Drawing; also a commodious and well furnished Hall for the use of the Castalian Society, organized by the ladies of the college.

The new building will be spacious and elegant, and will furnish accommodations for at least eighty students. It will also contain rooms for the accommodation of the female teachers, and for general exercises and instruction in music. This edifice, by furnishing the means of relief to apartments now overcrowded, will greatly increase the educational facilities of the University. The annual rental of furnished rooms in the new building has not yet been fixed by the Regents.

Mrs. D. E. CARSON, favorably known as Preceptress in the High School at Beloit, has been elected Preceptress in this College, and will assume the duties of her new position at the commencement of the next term.

The Department of Boarding, both in the South College building and in the new building will be under the direction of a judicious matron. Board will be furnished at \$3 per week, and no students will be allowed to board themselves in either of these buildings after the next term. Students who wish to board themselves can readily find rooms for their purpose, convenient to the University.

It is designed to give much greater attention to the Fine Arts than they have heretofore received. A thoroughly trained and skilful teacher of music will be employed, and pianos will be furnished at reasonable rates to students desiring to practice. Instruction will also be given in Drawing and Painting. A knowledge of these arts is essential to a complete education, and every necessary effort will be made to furnish the young ladies of this State the means of acquiring a finished culture.

COURSE OF INSTRUCTION.

FRESHMAN YEAR.

College of Letters.

College of Arts.

First Term.

MATHEMATICS, - - - - -	Higher Algebra begun. Loomis.
LATIN—Cicero's Philippic and Verrine Orations.	ENGLISH—Mulligan's Structure of the English Language.
GREEK—Greek Historians.	FRENCH—Otto's French Grammar.
OPTIONAL, - - - - -	Scandinavian.

Second Term.

MATHEMATICS, - - - - -	Algebra completed, Solid Geometry begun. Loomis.
LATIN—Livy.	ENGLISH—Mulligan completed. Craik's English of Shakspeare.
GREEK—Xenophon's Memorabilia.	FRENCH—Otto's Grammar.
	NATURAL PHILOSOPHY—Norton.

Third Term.

MATHEMATICS, - - - - -	Geometry completed. Plane Trigonometry. Loomis.
BOTANY, - - - - -	Gray's Manual and Lessons.
GREEK—Homer's Iliad.	FRENCH—Otto's French Reader.
	NATURAL PHILOSOPHY—Norton.

Themes and Declamations throughout the year; also Latin and Greek Composition in College of Letters.

SOPHOMORE YEAR.

First Term.

MATHEMATICS, - - - - -	Conic Sections and Analytical Geometry. Loomis.
GERMAN, - - - - -	Comfort's Course.
LATIN—Horace.	SCIENCE—Agriculture, Lectures.
	Meteorology. Loomis.
LECTURES, - - - - -	History of Roman Empire.

College of Letters.

College of Arts.

Second Term.

SCIENCE, - - - - -	Anatomy and Physiology. Hitchcock.
	Zoology begun. Agassiz.
LATIN—Germania and Agricola of Tacitus.	MATHEMATICS—Calculus. Loomis.
GREEK—Prometheus of Aeschylus.	GERMAN—Comfort's Course.
	FRENCH—Otto's Reader.
LECTURES, - - - - -	Medieval History.

Third Term.

MATHEMATICS, - - - - -	Spherical Trigonometry. Loomis.
LATIN—The Latin Poets.	MATHEMATICS—Surveying, etc. Loomis.
GREEK—Demosthenes de Corona.	SCIENCE—Zoology completed.
REVIEW—Latin and Greek Grammar.	GERMAN—Comfort's Course.
LECTURES—Greek and Roman Literature.	FRENCH—Fleury's Histoire de France.
LECTURES, - - - - -	Modern History.
Themes and Declamations throughout the year; also Latin and Greek Composition in the College of Letters.	

JUNIOR YEAR.

First Term.

CHEMISTRY, - - - - -	Fownes or Barker.
MECHANICS, - - - - -	Snell and Lectures.
RHETORIC, - - - - -	Bain and Lectures.
GREEK—	GERMAN—Whitney's Reader.
OPTIONAL - - - - -	French, Historical Geography.

Second Term.

PHYSICS, - - - - -	Snell and Lectures.
HISTORY - - - - -	Hallam's Middle Ages.
LATIN—The Rudens of Plautus. Harrington.	CHEMISTRY—
GREEK—The Clouds of Aristophanes. Felton.	GERMAN—Whitney's Reader.
OPTIONAL, - - - - -	French.

Third Term.

ASTRONOMY, - - - - -	White.
CONSTITUTIONAL AND INTERNATIONAL LAW—	
LATIN—Juvenal.	ANALYTICAL CHEMISTRY.
GREEK—Plato's Gorgias.	GERMAN—Whitney's Reader.
OPTIONAL, - - - - -	French, History of Government.

College of Letters.

College of Arts.

SENIOR YEAR.

First Term.

MENTAL PHILOSOPHY, - - - - -	Haven.
ENGLISH LITERATURE, - - - - -	Shaw and Lectures.
AESTHETICS— - - - -	Bascom.
SCIENCE OF LANGUAGE. Whitney.	DETERMINATIVE MINERALOGY.
LECTURES, - - - - -	Comparative Philology.
	Mineralogy.
OPTIONAL, - - - - -	Metallurgy, Assaying.
	Latin. German.

Second Term.

MORAL PHILOSOPHY, - - - - -	Hopkins.
LOGIC - - - - -	Jevons.
GEOLOGY. - - - - -	Dana and Lectures.
OPTIONAL, - - - - -	Metallurgy, Assaying.
	Latin. Greek.

Third Term.

NATURAL THEOLOGY, - - - - -	Chadbourne.
PHILOSOPHY OF RHETORIC, - - - - -	Bascom.
POLITICAL ECONOMY. - - - - -	Perry and Lectures.
LECTURES, - - - - -	Evidences of Christianity.
	History of Civilization.
OPTIONAL, - - - - -	Economic Geology.
	Latin, Greek, German.

FEMALE COLLEGE.

The course of studies for the Female College, is the same as that of the College of Arts, with the following substitutes allowed:

SOPHOMORE.

First Term. Elementary Rhetoric (Hart) in place of Agriculture and Meteorology.

Second Term. Elementary English Literature, (Gilman) in place of Calculus.

JUNIOR.

Third Term. German Literature in place of Analytical Chemistry.

SENIOR.

First Term. Studies in Early English (Chaucer) in place of Determinative Mineralogy; or some Elective Study, approved by the Faculty.

LAW DEPARTMENT.

First Term.

JUDGE ORTON	- -	Personal Property, Partnership, Corporations. Contracts of Sale.
PROF. CARPENTER	-	Criminal Law.
JUDGE COLE	- - -	Domestic Relations.
PROF. VILAS	-	The Constitution and Jurisdiction of Courts. Common Law Pleadings.

Second Term.

JUDGE ORTON	- -	The Law Merchant, covering negotiable paper, suretyship and guaranty. Insurance. Fixtures.
PROF. CARPENTER	-	Contracts.
JUDGE ———	- - -	Practice.
PROF. VILAS	- -	Equity Pleading. Pleading under the Code.

Third Term.

JUDGE ORTON	- -	The Law of Real Estate, Uses, Trusts, Powers, and Wills.
PROF. CARPENTER	-	Bailment and Agency.
JUDGE DIXON	- -	Equity Jurisprudence.
PROF. VILAS	- -	Law of Evidence.

POST GRADUATE COURSE.

SECTION I. NATURAL HISTORY.

Botany.
Mineralogy.
Geology.
Mining.

II. CHEMISTRY.

Chemical Philosophy and Physics.
Qualitative and Quantitative Analysis.
Applied Chemistry.

III. MATHEMATICS.

Pure Mathematics.
Mechanics and Physics.
Astronomy.
Engineering.

IV. PHILOSOPHY AND HISTORY.

History and International Law.
Psychology and History of Philosophy.
History and Criticism of English Literature.

V. PHILOLOGY.

Latin and Greek Languages and Literatures.
Comparative Philology.
Modern European Languages.