

Payment of the above charges is required strictly *in advance*.

Students will be charged for not less than one term, and no deduction will be made for voluntary absence.

Board, in clubs or private families, may be had at a cost not exceeding \$3 per week.

Wood is furnished to students at cost.

Tuition free to one suitably qualified student from each Assembly District in the State; such pupil to be nominated by the member of Assembly for that District.

Blank forms for such nominations can be had upon application to the Secretary of State or the President.

CALENDAR FOR 1869-70.

FALL TERM begins August 25, 1869, and closes November 19, 1869.

WINTER TERM begins December 8, 1869, and closes March 11, 1870.

SUMMER TERM begins March 23, 1870, and closes June 22, 1870.

ANNIVERSARY OF LITERARY SOCIETIES, Monday evening before Commencement.

GRADUATING EXERCISES OF FEMALE COLLEGE, Tuesday P. M., before Commencement.

ALUMNI ADDRESS, Tuesday evening before Commencement.

COMMENCEMENT, Wednesday, June 22, 1870.

CATALOGUE.

University of Wisconsin

1869-70.

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF THE
UNIVERSITY OF WISCONSIN

For the year ending June 22, 1870,

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

MADISON, WIS.:
ATWOOD & CULVER, BOOK AND JOB PRINTERS, JOURNAL BLOCK.
1870.

1869

BOARD OF REGENTS.

STATE SUPERINTENDENT OF PUBLIC INSTRUCTION.
Ex-officio Regent.

Terms expire first Monday in February, 1871.

2d Congressional District	H. H. GRAY	Darlington.
5thdo.....do	AUG. L. SMITH	Appleton.
1stdo.....do	B. R. HINCKLEY	Oconomowoc.
1stdo.....do	SAMUEL FALLOWS	Milwaukee.
5thdo.....do	JACOB S. BUGH	Wautoma.

Terms expire first Monday in February, 1872.

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

Terms expire first Monday in February, 1873.

2d Congressional District	R. B. SANDERSON	Madison.
4thdo.....do	F. O. THORPE	West Bend.
1stdo.....do	J. R. BINGHAM	Milwaukee.

JOHN S. DEAN,
Secretary.

STATE TREASURER,
Ex-officio Treasurer.

FACULTY AND INSTRUCTORS.

HON. P. A. CHADBOURNE, M. D., LL. D.,
President and Professor of Mental and Moral Philosophy.

JOHN W. STERLING, LL. D.,
Vice President and Professor of Natural Philosophy and Astronomy.

JOHN B. PARKINSON, A. M.
Professor of Mathematics.

STEPHEN H. CARPENTER, A. M.,
Professor of Logic, Rhetoric and English Literature.

WILLIAM F. ALLEN, A. M.,
Professor of Ancient Languages and History.

JOHN B. FEULING, PH. D.
Professor of Modern Languages and Comparative Philology.

COL. WALTER S. FRANKLIN, S. B.,
Professor of Military Science and Civil Engineering.

W. W. DANIELLS, M. S.,
Professor of Agriculture and Analytical Chemistry.

JOHN E. DAVIES, M. D.,
Professor of Natural History and Chemistry.

ADDISON E. VERRILL, A. M.,
Professor of Comparative Anatomy and Entomology.

R. D. IRVING, A. M.,
Professor of Geology, Mining and Metallurgy.

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. BYRON PAINE, LL. D.,
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.

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

R. B. ANDERSON, A. M.,
Instructor in Languages.

D. B. FRANKENBURGER, Ph. B.,
Instructor.

MISS CLARISSA L. WARE,
Preceptress.

MISS CLARA D. BEWICK, Ph. B.,
Assistant.

MISS LIZZIE S. SPENCER, Ph. B.,
Assistant.

MISS FRANCES BROWN,
Teacher of Music.

MISS LOUISA BREWSTER,
Teacher of Drawing and Painting.

STUDENTS.

COLLEGE OF ARTS.

SENIORS.

<i>Name.</i>	<i>Residence.</i>
Willis Frederick Cobb	Rutland.
Charles Henry Hall	Burke.
Henry Augustus Harriman	Blooming Grove.
Stephen Leahy	Portland.
Daniel Edward Maloney	Madison.
Lycurgus James Rusk	Viroqua.
Linus Bonner Sale	Evansville.
Rudolf Henry Schmidt	Greenville.

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JUNIORS.

Edward Culver Burke	Monchess.
Theodore Lee Cole	La Crosse.
John R. Davis	Sun Prairie.
Dennis William Grady	Monchess.
Michael William Pepper	Cedarburg.
George Washington Raymer	Monroe.
Henry Reid	Jeddo.
Charles Haskell Scudder	Juda.
John Stewart	Farmington.
Quincy Orlin Sutherland	Syene.
Orvey J. Taylor	Vienna.
Volney Underhill	Eagle.

SUMMARY.

College of Arts	94
College of Letters	38
University Students (Gentlemen.)	83
Preparatory Students	102
Law Students.....	13
Female College.....	136
University Students (Ladies.)	19
Total.....	<u>485</u>

UNIVERSITY OF WISCONSIN.



COLLEGE OF ARTS.

ORGANIZATION.

The College of Arts is organized under the following section of the General Law of 1866, Chap. CXIV :

SECTION 2. The College of Arts shall embrace courses of instruction in the mathematical, physical and natural sciences, with their applications 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 and Engineering are both branches of this college.

Those who wish to make Agriculture or Engineering specialties pursue the courses of study prescribed in these two Departments, but all the scientific instruction in this College is given with special reference to Agriculture and other useful arts.

FACULTY.

HON. P. A. CHADBOURNE, M. D., LL. D.,
President and Professor of Mental and Moral Philosophy.

JOHN W. STERLING, LL. D.,
Vice President and Professor of Natural Philosophy and Astronomy.

STEPHEN H. CARPENTER, A. M.,
Professor of Logic, Rhetoric and English Literature.

JOHN. B. PARKINSON, A. M.,
Professor of Mathematics.

JOHN B. FEULING, PH. D.,
Professor of Modern Languages and Comparative Philology.

JOHN E. DAVIES, M. D.,
Professor of Chemistry and Natural History.

W. W. DANIELLS, M. S.,
Professor of Agriculture and Analytical Chemistry.

R. D. IRVING, A. M.,
Professor of Geology, Mining and Metallurgy.

R. B. ANDERSON, A. M.,
Instructor in Languages.

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

TERMS OF ADMISSION.

Candidates for admission to the College of Arts are examined in English Grammar, Geography, in Mental and Written Arithmetic, and in Algebra to Quadratic Equations.

Candidates for advanced standing must, in addition to the studies named above, pass examination in those previously pursued by the class which they propose to enter, or in studies equivalent to them.

Applicants for admission from other colleges must present certificates of honorable dismissal.

No one can be admitted to this College under the age of fifteen years, nor to an advanced standing without a proportional increase of age.

The stated time for examination of candidates is the first day of each term.

The University is open to students from other states.

COURSE OF INSTRUCTION.

FRESHMAN YEAR.

FIRST TERM.

Mathematics Elementary Algebra completed.
Plane Geometry.
Language Sentential Analysis.
History United States.
Lectures Health and Methods of Study.

Elective French, Latin, Greek and Scandinavian Languages.

SECOND TERM.

Mathematics Higher Algebra begun. Loomis.
Language Mulligan's Structure of the English Language.
Geography Physical.
Natural History Lectures.

Elective French, Latin, Greek and Scandinavian Languages. Book Keeping.

THIRD TERM.

Mathematics Solid Geometry.
Language Craik's English of Shakespeare.

- Science* Elements of Natural Philosophy.
Physiology.
-
- Elective* French, Latin, Greek and Scandinavian
Languages.
-

Themes and Declamations weekly during the year.

SOPHOMORE YEAR.

FIRST TERM.

- Mathematics* Higher Algebra completed—Loomis.
German Comfort's German Course.
Natural History .. Botany.
History Roman Empire.
-

- Elective Studies* .. Practical Botany and Agriculture, French
and Latin.

SECOND TERM.

- Mathematics* Conic Sections, Plane Trigonometry and
Mensuration—Loomis.
German Comfort's Course.
Science Agriculture and Meteorology.
History Mediæval—Student's France.
-

- Elective Studies* .. History of Useful Plants, Physical Geogra-
phy, Climatology, French and Latin.

THIRD TERM.

- Mathematics* Spherical Trigonometry Surveying and
Navigation—Loomis.

- German* Select Prose and Poetry.
Natural History .. Botanical Analysis—Gray's Manual.
History Modern—Student's France.
-

- Elective Studies* .. Horticulture, French, Latin.
-

Themes and Declamations weekly during the year.

JUNIOR YEAR.

FIRST TERM.

- Mathematics* Analytical Geometry—Loomis.
Rhetoric Day's Art of Discourse.
Chemistry Youmans.
Natural History .. Mineralogy—Dana.
Human Anatomy . Lectures.
-

- Elective Studies* .. Laboratory Practice, *Qualitative Analysis*,
Blowpipe Analysis.

SECOND TERM.

- Physics* Mechanics—Peck. Lectures.
Civil Polity Political Economy.
Chemistry Organic and applied.
Natural History .. Zoology begun—Agassiz.
-

- Elective Studies* .. Differential and Integral Calculus, Labora-
tory Practice, *Quantitative Analysis*.
History England—Student's Hume.

THIRD TERM.

- Physics* General Physics—Lectures.
Civil Polity International Law, Constitution of the
United States.

Natural History .. Zoology completed.
General Physiology.

Elective Studies .. Natural History of Domestic Animals,
Entomology.

Themes and Declamations weekly during the year.

SENIOR YEAR.

FIRST TERM.

Astronomy White, and Lectures.
Mental Philosophy Haven, and Lectures.
Eng. Literature .. Shaw's Complete Manual.
Aesthetics Bascom.

Elective Studies .. Examination of Soils—Forestry.

SECOND TERM.

Logic Whateley.
Rhetoric Bascom.
Moral Philosophy Hopkins, and Lectures.
Eng. Literature .. Lectures.
Natural History .. Geology and Mining.

Elective Studies .. Modern Languages, Chemical Analysis,
Determinative Mineralogy.

THIRD TERM.

Natural Theology. Chadbourne.
Evidences Lectures.
History Guizot's History of Civilization.
General Review.

Critical Essays, Declamations, and Forensic Disputations,
weekly during the year.

COLLEGE OF ARTS.

DEPARTMENTS OF MILITARY SCIENCE AND CIVIL ENGINEERING.

FACULTY.

HON. P. A. CHADBOURNE, M. D., LL. D.,
President.

COL. WALTER S. FRANKLIN, S. B.,
Professor of Military Science and Civil Engineering.

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.

UNIVERSITY OF WISCONSIN.

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COLLEGE OF LETTERS.

FACULTY.

HON. P. A. CHADBOURNE, M. D. LL. D.,
President, and Professor of Mental and Moral Philosophy.

JOHN W. STERLING, LL. D.,
Vice President, and Professor of Natural Philosophy and Astronomy.

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Professor of Modern Languages and Comparative Philology.

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Professor of Mathematics.

R. D. IRVING, A. M.,
Professor of Geology, Mining and Metallurgy.

R. B. ANDERSON, A. M.,
Instructor in Languages.

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

TERMS OF ADMISSION.

Candidates for admission to the Freshman Class are examined in the studies of the Preparatory Course, or their equivalents. It is desired that Latin and Greek be pronounced with the continental sound of the vowels, and that Greek be pronounced according to accent. Students must show sufficient thoroughness in these studies to make it apparent that they can successfully pursue all the studies of the Freshman year.

Candidates for advanced standing must, in addition to the studies named above, pass examination in those previously pursued by the class which they propose to enter, or in those equivalent to them.

Applicants for admission from other colleges must present certificates of honorable dismission.

No one can be admitted to the Freshman Class under the age of fifteen years, nor to an advanced standing without a proportional increase of age.

The stated time for the examination of candidates is the first day of each term.

The University is open to students from other States.

COURSE OF INSTRUCTION.

FRESHMAN CLASS.

FIRST TERM.

<i>Latin</i>	Livy—Lincoln.
<i>Greek</i>	Xenophon or some other Greek historian.
<i>History</i>	United States—Eliot.
<i>Lectures</i>	Laws of Health and Methods of Study.
<i>Mathematics</i>	Plane Geometry.
<i>Elective</i>	French.

SECOND TERM.

<i>Mathematics</i>	Higher Algebra begun—Loomis.
<i>Latin</i>	Cicero de Senectute and de Amicitia.
<i>Greek</i>	Xenophon's Memorabilia—Robbins.
<i>History</i>	Greece.
<i>Elective</i>	French.

THIRD TERM.

<i>Mathematics</i>	Solid Geometry.
<i>Latin</i>	Horace—Odes and Satires.
<i>Greek</i>	Memorabilia, continued.
<i>History</i>	Rome.
<i>Elective</i>	French.

Themes and Declamations during the year. Latin and Greek Composition through the year.

SOPHOMORE YEAR.

FIRST TERM.

<i>Mathematics</i>	Higher Algebra, completed—Loomis.
<i>Latin</i>	Horace.
<i>Greek</i>	Homer—Iliad.
<i>German</i>	Comfort's Course.
<i>Natural History</i> ..	Botany.
<i>History</i>	Roman Empire—Lectures.

SECOND TERM.

<i>Mathematics</i>	Conic Sections, Plane Trigonometry and Mensuration—Loomis.
<i>Latin</i>	Histories of Tacitus—Tyler.
<i>Greek</i>	Æschylus Prometheus—Woolsey.
<i>German</i>	Comfort's Course.
<i>History</i>	Mediæval—Student's France.

THIRD TERM.

<i>Mathematics</i>	Spherical Trigonometry, Surveying and Navigation—Loomis.
<i>Latin</i>	Trinummus of Plautus—Harrington.
<i>Greek</i>	Demosthenes—Olynthiacs and Philippics—Champlin.
<i>German</i>	Select Prose and Poetry.
<i>Natural History</i> ..	Botanical Analysis—Gray's Manual.
<i>History</i>	Modern—Student's France.

Themes and Declamations weekly during the year. Latin composition through the year.

JUNIOR YEAR.

FIRST TERM.

<i>Rhetoric</i>	Day's Art of Discourse.
<i>Mathematics</i>	Analytical Geometry.
<i>Chemistry</i>	Youman's and Lectures.
<i>Natural History</i> . .	Mineralogy—Dana.
<i>Human Anatomy</i>	Lectures.

SECOND TERM.

<i>Physics</i>	Mechanics—Peck and Lectures.
<i>Civil Polity</i>	Political Economy.
<i>Chemistry</i>	Organic and applied.
<i>Natural History</i> . .	Zoology begun—Agassiz.
<i>History</i>	England—Students' Hume.

Elective Calculus.

THIRD TERM.

<i>Physics</i>	General Physics, with Lectures.
<i>Civil Polity</i>	International Law, Constitution of the United States.
<i>Natural History</i> . .	Zoology completed. General Physiology.

Themes and Declamations weekly during the year.

SENIOR YEAR.

FIRST TERM.

<i>Astronomy</i>	White, and Lectures.
<i>Mental Philosophy</i>	Haven, and Lectures.
<i>Eng. Literature</i> . .	Shaw's Complete Manual.
<i>Aesthetics</i>	Bascom

SECOND TERM.

<i>Logic</i>	Whateley.
<i>Rhetoric</i>	Bascom.
<i>Moral Philosophy</i>	Hopkins, and Lectures.
<i>Eng. Literature</i> . .	Lectures.
<i>Nat. History</i>	Geology and Mining.

THIRD TERM.

<i>Natural Theology</i> .	Chadbourne.
<i>Evidences</i>	Lectures.
<i>History</i>	Guizot's History of Civilization. General Review.

Critical Essays, Declamations, and Disputations weekly during the year.

Another attraction to the Student is presented in the fact, that by the terms of the foundation of the Department, the law students have gratuitous admission to all lectures and all privileges of the other Departments of the State University.

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.

COURSE OF INSTRUCTION.

SECTION I. NATURAL HISTORY.

Botany.
Mineralogy.
Geology.
Mining.

II. CHEMISTRY.

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

III. MATHEMATICS AND PHYSICS.

Pure Mathematics.
Mechanics and Physics.
Astronomy.
Engineering.

IV. PHILOSOPHY AND HISTORY.

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

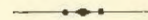
V. PHILOLOGY.

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

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.

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 duties as in the College course.

UNIVERSITY OF WISCONSIN.



FEMALE COLLEGE.

FACULTY.

HON. P. A. CHADBOURNE, M. D., LL. D.,
President.

STEPHEN H. CARPENTER, A. M.,
Professor of Logic, Rhetoric and English Literature.

JOHN B. FEULING, PH. D.,
Professor of Modern Languages and Comparative Philology.

MISS CLARISSA L. WARE,
Preceptress.

MISS CLARA D. BEWICK, PH. B.
Assistant.

MISS LIZZIE S. SPENCER, PH. B.

MISS FRANCES BROWN,
Teacher of Music.

MISS ELIZA BREWSTER,
Teacher of Drawing and Painting.

TERMS OF ADMISSION.

Young Ladies desiring to enter upon the first year of the following course of instruction must pass a satisfactory examination in the Outlines of Geography, Elements of English Grammar, and in Arithmetic to Proportion.

Those applying for advanced standing must pass examination in all the studies to which the class which they propose to enter have attended, or others equivalent to them.

Ladies may be admitted to this department and allowed to select any three studies of the term which they are qualified to pursue; but no extra classes will be formed except in elective studies.

COURSE OF STUDY.

FIRST YEAR.

FIRST TERM.

Mathematics Higher Arithmetic.
English Language. Verbal and Sentential Analysis.
Geography Descriptive Map Drawing.
General Exercises.

SECOND TERM.

Mathematics Arithmetic, completed.
English Language. Analysis and Composition.
Geography Descriptive, Map Drawing.
General Exercises.

THIRD TERM.

Mathematics Elementary Algebra.
Geography Physical.
History United States.
General Exercises.
Reviews Studies of the year.

SECOND YEAR.

FIRST TERM.

Mathematics Elementary Algebra, completed.
Language Craik's English of Shakspeare.
Science Botany.
History Ancient.

Elective French, Latin.

SECOND TERM.

Mathematics Plane Geometry.
Science Physiology.
History Mediæval.
General Exercises.

Elective French, Latin.

THIRD TERM.

Mathematics Solid Geometry.
Eng Language . . Literature—Shaw's Complete Manual.
Nat. Science Botanical Analysis.
History Modern.
Reviews Studies of the year.

Elective French, Latin.

THIRD YEAR.

FIRST TERM.

Mathematics Higher Algebra.
Eng. Literature .. Criticism and Literature, Shaw's Complete
 Manual, completed.
Natural Science.. Zoology.
 General Exercises.

—
Elective Latin, German.

SECOND TERM.

Mathematics Higher Algebra completed.
English Language. Rhetoric, Day's Art of Discourse.
 History of English Language—Lectures.
Polity Constitution and Science of Government.
 Political Economy.

—
Elective Latin, German.

THIRD TERM.

Philosophy Natural.
Philosophy Mental.
Polity Constitution of United States.
Mathematics Plane Trigonometry.
Reviews Studies of the year.

—
Elective Latin, German.

FOURTH YEAR.

FIRST TERM.

Mathematics Spherical Trigonometry.
Natural Science . . . Chemistry.
Logic Whately.

SECOND TERM.

Natural Science . . . Astronomy.
 Geology.
History Civilization—Guizot.

THIRD TERM.

Aesthetics Bascom.
Natural Theology.. Chadbourne.
Evidences Lectures,
 Essays and Reviews.

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Elective.—Ancient and Modern Languages throughout the
 year.