



# **Catalogue of the officers and students of the University of Wisconsin, for the year ending June 23, 1869: with a statement of the courses of instruction in the various departments. 1869**

Madison, Wis.: [The University] | (Atwood & Rublee), [s.d.]

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# CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF THE

# UNIVERSITY OF WISCONSIN

*For the year ending June 23, 1869,*

WITH A

STATEMENT OF THE COURSES OF INSTRUCTION IN THE  
VARIOUS DEPARTMENTS.

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MADISON, WIS.:

ATWOOD & RUBLEE, BOOK AND JOB PRINTERS, JOURNAL BLOCK.

1869.



## RE-ORGANIZATION.

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### CHAPTER CXIV—GENERAL LAWS OF 1866.

SECTION 1. The object of the University of Wisconsin shall be to provide the means of acquiring a thorough knowledge of the various branches of learning connected with the scientific, industrial and professional pursuits: and to this end it shall consist of the following colleges, to wit: 1st. The College of Arts; 2d. The College of Letters; 3d. Such professional and other colleges as from time to time may be added thereto or connected therewith.

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.

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

### AMENDMENT OF 1867.

SECTION 4. The University shall be open to female as well as male students, under such regulations and restrictions as the Board of Regents may deem proper; and all able-bodied male students of the University, in whatever college, shall receive instruction and discipline in military tactics, the requisite arms for which shall be furnished by the State.

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NOTE—Students in the College of Arts and the College of Letters are classed together in the following Catalogue.

Students not in full connection with either of these Colleges, or with the Preparatory Department, are classed as *University Students*.

## BOARD OF REGENTS.

*Terms expire first Monday in February, 1870.*

H. D. BARRON.....	ST. CROIX FALLS.
R. B. SANDERSON.....	POYNETTE.
F. O. THORPE.....	WEST BEND.
JOHN. G. McMYNN.....	RACINE.
J. C. COVER.....	LANCASTER.

*Terms expire first Monday in February, 1871.*

H. H. GRAY.....	DARLINGTON.
AUG. L. SMITH.....	APPLETON.
B. R. HINKLEY.....	OCONOMOWOC.
SAML. FALLOWS.....	MILWAUKEE.
JACOB S. BUGH.....	WAUTOMA.

*Terms expire first Monday in February, 1872.*

ANTHONY VAN WYCK.....	KENOSHA.
ANGUS CAMERON.....	LA CROSSE.
C. S. HAMILTON.....	FOND DU LAC.
J. C. GREGORY.....	MADISON.
N. B. VAN SLYKE.....	MADISON.

## OFFICERS.

C. S. HAMILTON,  
PRESIDENT.

N. B. VAN SLYKE. R. B. SANDERSON. J. C. GREGORY,  
EXECUTIVE COMMITTEE.

JOHN S. DEAN,  
SECRETARY.

WM. E. SMITH, *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 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. W. R. PEASE, U. S. ARMY.**  
Professor of Military Engineering and Tactics.

**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.

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 PAYNE, LL. D.,  
Associate Justice of the Supreme Court of Wisconsin.  
Professor of Law.

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

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

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

AMOS H. THOMPSON, A. B.,  
Tutor.

ISAAC S. LEAVITT, Ph. B.,  
Instructor in Preparatory Department.

ALBERT H. SOUTHWORTH, Ph. B.  
Instructor in Preparatory Department.

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MISS ELIZABETH EARLE,  
Preceptress.

MISS CLARISSA L. WARE,  
Associate Preceptress.

MISS FRANCES BROWN,  
Teacher of Music.

MISS LOUISA BREWSTER,  
Teacher of Drawing and Painting.

## STUDENTS.

### RESIDENT GRADUATES.

<i>Names.</i>	<i>Residence.</i>
Rasmus B. Anderson, Ph. B. (Albion)	Cambridge.
Isaac Stephen Leavitt, Ph. B. ....	Burns.
Albert H. Southworth, Ph. B. ....	Mondovi
John G. Taylor, Ph. B. ....	Black Earth.

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### SENIORS.

Everard Lang Cassels,.....	Lone Rock.
Matthew M. Corbett,.....	Mineral Point.
William C. Damon,.....	Burke.
David Bower Frankenburger,.....	Monroe.
Fernando James Knight,.....	Markesan.
Stephen Leahy.....	Portland.
Franklin Edwin Parkinson,.....	Mineral Point.
Griffith Robert Pierce,.....	Brownsville, Minn.
George Sylvester,.....	Madison.

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### JUNIORS.

Robert McKee Bashford,.....	Fayette.
Jacob Bickler,.....	Milwaukee.
Arthur Henry Chetlain,.....	Galena, Ill.
Willis Fredrick Cobb,.....	Rutland.
William Leland Ede,.....	Whitewater.
Gottlieb Engel,.....	Milwaukee.
George William Field,.....	Sun Prairie.

<i>Names.</i>	<i>Residence.</i>
Stephen Strong Gregory, . . . . .	Madison.
Charles Henry Hall, . . . . .	Burke.
Henry Augustus Harriman, . . . . .	Blooming Grove.
George Atlee Hoff, . . . . .	Sterling, Ill.
Osborne Howard Hoffman, . . . . .	Pole Grove.
William Edward Huntington, . . . . .	Marshal.
Burr W. Jones, . . . . .	Evansville.
David Kirk, . . . . .	Lamartine.
Daniel Edward Maloney, . . . . .	Madison.
Alfred Carroll Parkinson, . . . . .	Fayette.
Henry Reed, . . . . .	Jeddo.
Augustus Marcus Rice, . . . . .	Mantorville, Minn.
Lyeurgus James Rusk, . . . . .	Viroqua.
Linus Bonner Sales, . . . . .	Evansville.
Rudolf Henry Schmidt, . . . . .	Greenville.
Clark Allen Smith, . . . . .	Oregon.
Lewis Reynolds Thomas, . . . . .	Annaton.
William Mawbey Tompkins, . . . . .	Mazomanie.

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## SOPHOMORES.

Edwin Charles Arnold, . . . . .	Madison.
John Wesley Bashford, . . . . .	Fayette.
Henry Smith Basset, . . . . .	Carimona, Minn.
Edwin Culver Burke, . . . . .	Monchess.
Charles Henry Bunker, . . . . .	Madison.
Theodore Lee Cole, . . . . .	La Crosse.
Leonard Wright Colby, . . . . .	Freeport, Ill.
John R. Davis, . . . . .	Sun Prairie.
Henry William Deming, . . . . .	Leicester.
Frank Porter De Wolf, . . . . .	Chicago, Ill.
Dorr Dunning, . . . . .	Madison.
John Alexander Gaynor, . . . . .	Sussex.
John Franklin Glover, . . . . .	Clarno.

<i>Names.</i>	<i>Residence.</i>
Dennis W. Grady,.....	Monchess.
Charles Noble Gregory,.....	Madison.
George Patrick Harrington.....	Sauk Prairie.
Charles Adelbert Lyman,.....	Bloomington.
George Marsh,.....	Madison.
Thomas Arthur McChrystal,.....	Cottage Grove.
Thomas David Nagle,.....	Patch Grove.
John Stewart Parkinson,.....	Sun Prairie.
Horace Greeley Parsons, .....	Whitewater.
Thomas Danforth Plumb, Jr.,.....	Madison.
George Washington Raymer,.....	Monroe.
Charles Hascal Scudder,.....	Juda.
John Stewart,.....	Farmington
Quincey Orlin Sutherland,.....	Syene.
Orrin Dodge Teall, .....	Memphis, Mich
Volney Underhill,.....	Eagle.
Clement Harry Van Wermer,.....	Burns.
Harrison Samuel Vaughn,.....	Johnson's Creek, N.Y
William Whitman Wagdin,.....	Galena, Ill.
Albert Watkins,.....	Linden.
John William Whelan,.....	Monchess.

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## FRESHMEN.

Robert Heury Brown.....	Sun Prairie.
George Dumars Cline,.....	Fayette.
Sidney Houghton Cole,.....	Madison.
Herbert E. Copeland,.....	Monroe.
Elmer Horace Craig,.....	Madison.
John Adams Damon,.....	Burke.
Lewis Maturin Fisher.....	Farmersburg, Iowa.
Joseph Hertl.....	Watertown.
Benjamin Wilkins James.....	Otsego.
George Fisk Merrill.....	Burnett.

<i>Names.</i>	<i>Residence.</i>
Charles Halsey Moore.....	Mineral Point.
George Geer Sutherland.....	Syene.
Edward Perrin Vilas.....	Madison.

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## UNIVERSITY STUDENTS.

William Bell Angle.....	Cedarville, Ill.
Luther Angle.....	Cedarville, Ill.
Henry James Brainerd.....	Madison.
Frank Green Brown.....	Madison.
Fredrick Earll Briggs.....	Madison.
Thomas F. Burke.....	Monchess.
John Burke.....	Cedarburg.
Charles Alsop Cadwell.....	Orangeville, Ill.
William Richard Campbell.....	Blue Mounds.
James Edwards Davidson.....	Cottage Grove.
Charles Washington Derrickson.....	Paoli.
Rufus G. Deming.....	Leicester.
William Edwards .....	Arena.
Charles Egan.....	Paoli.
Thomas Meredith Evans.....	Dodgeville.
Lucius Manley Fay.....	Oregon.
William Henry Ferguson.....	Dayton.
James Finnegan .....	Kewaskum.
Edward Finnegan.....	Barton.
Edward Edwin Fitzgibbon,.....	Westport.
George Porter Frank.....	Madison.
Hezekiah Clifford French,.....	West Bend.
Fredrick Frisbee,.....	Oregon.
Lars Johnson Grinde,.....	Windsor.
John R. Hoffer,.....	Rock Grove, Ill.
Melvin H. Ingraham,.....	Rutland.
Charles Isaacs,.....	Perry.
William Mortimer Krebs,.....	Madison.

<i>Names.</i>	<i>Residence.</i>
Ole Ellev Lewis,.....	Primrose.
Edwin Francis Masterson,.....	Watertown.
Peter A. Masterson,.....	Watertown.
Peter Davie McAndrew,.....	Monona, Iowa.
Joseph N. Moody,.....	Madison.
Claude Richard Norton,.....	Madison,
Daniel O'Brien,.....	Oregon.
James Perkins,.....	Burlington.
Fredrick Wallace Pettigrew,.....	Evansville.
Chester William Pool,.....	Verona.
Charles Winter Robbins,.....	Madison.
David Henry Robertson,.....	Vienna.
Joseph Ryan,.....	Monchess.
Joseph Charles Schaantz,.....	Addison.
F. William Schweppe,.....	Black Hawk.
Lewis Newton Spencer,.....	Evansville.
Roger Coit Spooner,.....	Madison.
Charles Stickney,.....	Wauwatosa.
Herbert Sylvester,.....	Madison.
Orvey J. Taylor,.....	Middleton.
Elisha Helmstreet Tarble,.....	Vienna.
Joseph Gilbert Thorp,.....	Madison.
Frank Helmer Turner,.....	Madison.
Orvis Burke Wyman,.....	Hillsborough.

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## PREPARATORY.

Elbert Spencer Abbott, .....	Cottage Grove.
Elliott Dwight Abbott,.....	Cottage Grove.
Alvah Adams, .....	Black Earth.
Edward Daniel Adler,.....	Milwaukee.
Eugene Drakeley Aldrich,.....	Cottage Grove.
Wilmot Aldrich,.....	Cottage Grove.
Harry Farwell Atwood, .....	Madison.

<i>Names</i>	<i>Residence.</i>
Edgar Orson Bacon, . . . . .	Monticello.
Peter Matthew Bach, . . . . .	Newburg.
Alonzo Sawyer Bailey, . . . . .	Sun Prairie.
Christopher E. Bellew, . . . . .	Cedarburg.
Arthur Blakeley, . . . . .	Darling.
Milton Borst, . . . . .	McFarland.
Alexander Brennaman, . . . . .	Verona.
Albert Eugene Bourne, . . . . .	Kenosha.
Willis Servillian Boies, . . . . .	Oregon.
Frank Lemuel Boies, . . . . .	Oregon.
Hyman W. Butler, . . . . .	Monroe.
Edward Chynoweth, . . . . .	Madison.
Jas. B. Clapp, . . . . .	Fitchburg.
John Clark, . . . . .	Cottage Grove.
Allan Darst Conover, . . . . .	Madison.
Joseph Cover, . . . . .	Lancaster.
Jas. Cotter, . . . . .	Saukville.
Richard Moore Crane, . . . . .	Rutland.
Jacob Hazel Culver, . . . . .	Sheboygan Falls.
Lewis F. Culver, . . . . .	Manitowoc
Lewis Dalrymple, . . . . .	Dayton.
Daniel Job Davis, . . . . .	Ridgeway.
Benjamin Davis, . . . . .	Ridgeway.
Joseph Francis Devlin, . . . . .	Madison.
Luzerne Halberg Dexter, . . . . .	Madison.
Michael Riordan Dinan, . . . . .	Prairie du Chien.
James Dinsdale, . . . . .	Fennimore.
Hiram Edward Dodge, . . . . .	Madison.
Henry Dorman, . . . . .	Cottage Grove.
John Douglas, . . . . .	Cooksville.
Bernard Dunnegan, . . . . .	Glencoe.
Harvey Durkee, . . . . .	Charles City, Iowa.
Henry Lloyd Egerton, . . . . .	Oconomowoc.
Charles Daniel Ellis, . . . . .	Charles City, Iowa.
Patrick Fagan, . . . . .	Jackson.

<i>Names.</i>	<i>Residence.</i>
William Roderick Fahey.....	Richfield.
Fredrick Warren Faulkes.....	Montrose.
John Joseph Fisher.....	Monroe
Ole Flesche.....	Windsor.
Hans Jacob Gasman.....	Amherst.
Sylvester Gardner Gilbert.....	Madison.
Morrison Monroe Gillet.....	Fond du Lac.
Benedict Goldenberger, jr.....	Madison.
Thomas Griffith.....	Watertown.
Lars S. Grinde.....	Windsor
Charles Ford Harding.....	Springfield.
Harry Harding.....	Springfield.
Mathew Harnes .....	Farmington.
Spurzheim I. Hazeltine.....	Richland Centre.
William Edward Heath.....	Madison.
Edward Hartwell.....	Corrina, Me.
Maurice E. Henika.....	Fitchburg
Homer C. Helms. ....	Fitchburg.
Andrew J. Helms.....	Fitchburg.
Edward Leander Hills.....	Madison.
Lansing Ephraim Hildreth.....	Stoughton.
Charles Hildreth.....	Stoughton.
Ole Stephen Holum.....	Windsor.
Peter Holum.....	Windsor.
Joseph Henry Hoskyn.....	Lodi.
Edward Hoskyn.....	Lodi.
Jacob Housen.....	Springdale.
Charles Albert Hoyt.....	Memphis, Tenn.
Lars Ingebrightson.....	Vienna.
Eugene D. Ingraham.....	Rutland.
Justin C. Jacobs.....	Waupun.
Erik Johnson.....	Vienna.
Hans Johnson.....	Vienna.
Herman Johnson.....	Madison.
John Kenealy .....	Toland's Prairie.

<i>Names.</i>	<i>Residence.</i>
Joseph Keyes.....	Madison.
Charles Lyon Krum.....	Madison.
William Cornell Ladd.....	Sugar Creek.
Charles Edward Laverty.....	La Crosse.
Joseph Lapp.....	Dakota, Ill,
Edson Leavitt,.....	Burns.
John Lewis,.....	Perry.
James Forbes Liddell,.....	Madison.
Walter Scott Liddell,.....	Madison.
Peter A. Linde,.....	Windsor.
Nels Loberg,.....	Alderly.
Henry Davis Lounsbury,.....	Piperville.
William Azro Lyman,.....	Bloomington.
Willet E. Main,.....	Madison.
James Franklin Martin,.....	Jefferson.
Franklin Jefferson Matts,.....	Verona.
Daniel Bernard McDermott,.....	Darlington.
George Washington McKinnon,.....	Plymouth.
Joseph H. McCoy,.....	Dayton.
Charles McElroy,.....	Cerdarburgh.
George Watson Mead,.....	Sun Prairie.
Jesse S. Meyers,.....	Verona.
Austin F. Meigs,.....	Union.
Henry Martyn Melvin,.....	Brooklyn.
Henry J. Miles,.....	Springdale.
James Monroe Miles.....	Stoughton.
Herbert Howard Mills,.....	Madison.
Fabius Douglas Mills,.....	Seneca.
James Moroney, Jr.,.....	Richland Centre.
Carrol Sinclair Montgomery,.....	Sparta.
Thomas J. Morris,.....	Cambria.
William Munroe,.....	Union Grove.
James Aloys Munich,.....	Hartford.
Robert Chambers Musser,.....	Jefferson.
William Nelson,.....	Cambridge.

<i>Names.</i>	<i>Residence.</i>
Simonton Pierce Noble, . . . . .	Rock Grove, Ill,
Hans Meikleson Nordum, . . . . .	Madison.
Edwin M. Norton, . . . . .	Burke.
George Henry Noyes, . . . . .	Delafield.
Walter Knox Noyes, . . . . .	Baraboo.
James Francis O'Brien, . . . . .	Cedarburg.
Ole Ostenson, . . . . .	Alderly.
Ole Overson, . . . . .	Perry.
Royal Sylvanus Owen, . . . . .	Ixonia.
William Lewis Patterson, . . . . .	North Windsor.
Alexander W. Patterson, . . . . .	Dayton.
James J. Page, . . . . .	Milwaukee.
John Kimball Parrish, . . . . .	Waupaca.
Henry West Persons. . . . .	Sun Prairie.
Michael Pepper, jr., . . . . .	Cedarburg.
Darius Tenant Phillips, . . . . .	Burke.
Joseph Pinkham, . . . . .	Union.
Luther Eugene Preston, . . . . .	Rock Grove, Ill.
Frank Newland Pratt, . . . . .	Warren, Ill.
Henry Raymond, . . . . .	Vienna.
James Reynolds, . . . . .	Burke.
Sigfried Rindskopf, . . . . .	Milwaukee.
John Ringle, . . . . .	Wausau.
Charles William Roby, . . . . .	Stoughton.
James Russel, . . . . .	Garden City, Minn.
Robert Willard Ruby, . . . . .	Mineral Point.
William Runge, . . . . .	Dane.
Ole Arneson Rustad, . . . . .	Monchess.
David Augustus Sanford, . . . . .	Alderly.
Joseph Sanford, . . . . .	Middleton.
Edward William Sargeant, . . . . .	Oregon.
Jacob S. Schwartz, . . . . .	Orangeville, Ill.
Henry Schwartz, . . . . .	Orangeville, Ill.
Charles Sheldon, . . . . .	Madison.
John Sherman, . . . . .	Addison.

<i>Names.</i>	<i>Residence.</i>
Lyman Sholes, . . . . .	Madison.
Edgar William Smith, . . . . .	Oregon.
Eugene A. Smith, . . . . .	Oregon.
Ira Booth Smith, . . . . .	Madison.
Granville Smith, . . . . .	Dayton.
Fredrick Wesley Spencer, . . . . .	Evansville.
Ole G. Stamm, . . . . .	Belleville.
Ole E. Stamm, . . . . .	Belleville.
William Friend Story, . . . . .	Belleville.
Charles Henry Story, . . . . .	Belleville.
Lewis Everlin Stevens, . . . . .	Madison.
Newton Austin Sunderlin, . . . . .	Dakota, Ill.
Matthew Swanton, . . . . .	Alderly.
Charles Hooker Taylor, . . . . .	Middleton.
Augustus F. Taylor, . . . . .	Madison.
George Augustus Tenney, . . . . .	Madison.
Benjamin Franklin Thomas, . . . . .	Annaton.
Abram Kelly Thompson, . . . . .	Sun Prairie.
Abram Fredrick Thompson, . . . . .	Sun Prairie.
Clifton Tipple, . . . . .	Oregon.
Charles B. Tourtelotte, . . . . .	Kenosha.
William Daniel Turville, . . . . .	Madison.
John Wesley True, . . . . .	Fitchburg.
Fredrick Morton Van Bergen, . . . . .	Fitchburg.
George Henry Vernon, . . . . .	Middleton.
John Vernon, . . . . .	Middleton.
Daniel Dow Vincent, . . . . .	Windsor.
Leroy Ira Walbridge, . . . . .	Cottage Grove.
Allen Francisco Warden, . . . . .	Darlington.
Lewis Hyde Warden, . . . . .	Darlington.
William H. Warner, . . . . .	Oregon.
William Larkin Warren, . . . . .	Madison.
Horace Martin Wells, . . . . .	Summit.
James Whelan, . . . . .	Monchess.
William C. White, . . . . .	Sun Prairie.

<i>Names.</i>	<i>Residence.</i>
Eugene Albert White .....	Monroe.
Myron R. White .....	Verona.
Robert Roberts Williams, jr.....	Dodgeville.
William H. Williams .....	Waukesha.
Edward Hugh Williams.....	Blue Mounds.
John Williams.....	Ridgeway.
Albert A. Wiley.....	Apple River, Ill.
Abram Winter.....	Dakota, Ill.
Thomas Winterbotham.....	York.
Charles Emerson Woodruff.....	Chippewa Falls.
Edwin D. Wood.....	Dane.

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## LAW STUDENTS.

Thomas Bohan.....	Hartford.
James M. Bull.....	Middleton.
John T. Bradley.....	Kansas.
Joseph Pope Cheever.....	Delaware.
Francis Downs.....	Madison.
Loren Edwards.....	Oconomowoc.
Gustavus A. Forest.....	Portage City.
Wm. O. Kelley.....	Marquette.
Theodore F. Knappen.....	Arlington.
Maximilian N. Lando.....	Milwaukee.
William Murray.....	Washington Co.
George H. Norton.....	Marshall.
Patrick Henry O'Rouk.....	Sheboygan.
Frank R. Pettigrew.....	Evansville.
Henry Vilas.....	Madison.

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UNIVERSITY OF WISCONSIN.

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COLLEGE OF ARTS.

## ORGANIZATION.

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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 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.

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

**AMOS H. THOMHSON, A. B.**  
Tutor.

## TERMS OF ADMISSION.

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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.

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### FRESHMAN YEAR.

#### FIRST TERM.

<i>Mathematics</i> .....	Eelmentary Algebra.
<i>Language</i> .....	Sentential Analysis.
<i>History</i> .....	United States.
<i>Lectures</i> .....	Health and Methods of Study.
<i>Elective</i> .....	French, Latin, Greek and Scandinavian Languages.

#### SECOND TERM.

<i>Mathematics</i> .....	Elementary Algebra completed.
	Plane Geometry.
<i>Language</i> .....	Analysis and Composition.
<i>Geography</i> .....	Physical.
<i>Natural History</i> ..	Lectures.
<i>Elective</i> .....	French, Latin, Greek and Scandinavian Languages. Book Keeping.

#### THIRD TERM.

<i>Mathematics</i> .....	Solid Geometry.
<i>Language</i> .....	Craiks' English of Shakespeare.
<i>Science</i> .....	Elements of Natural Philosophy.
	Physiology.
<i>Elective</i> .....	French, Latin, Greek and Scandinavian Languages.

Themes and Declamations weekly during the year.

## SOPHOMORE YEAR.

## FIRST TERM.

*Mathematics*..... Higher Algebra—Loomis.  
*German* ..... Otto's Conversation Grammar.  
*Natural History*.. Botany.  
*History*..... Roman Empire.  
  
*Elective Studies*.. Practical Botany and Agriculture, French and Latin.

## SECOND TERM.

*Mathematics*..... Algebra completed—Loomis.  
Conic Sections " "  
*German* ..... Otto's Conversation Grammar.  
*History*..... Mediæval—Student's France.  
  
*Elective Studies*.. History of Useful Plants, Physical Geography, Climatology, French and Latin.

## THIRD TERM.

*Mathematics*..... Plane Trigonometry, Mensuration, 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* . . . . . Spherical Trigonometry—Loomis.  
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* . . . . . Snell's Olmsted begun—Lectures.  
*Civil Polity* . . . . . Political Economy—Perry.  
*Chemistry* . . . . . Organic and applied.  
*Natural History* . . . . . Zoology begun—Agassiz.

*Elective Studies* . . . . . Differential and Integral Calculus, Laboratory Practice, *Quantitative Analysis*.

## THIRD TERM.

*Physics* . . . . . Snell's Olmsted completed—Lectures.  
*Civil Polity* . . . . . International Law, Constitution of the United States.  
*Natural History* . . . . . Zoology completed.  
General Physiology.  
*History* . . . . . England—Student's Hume.

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

Themes and Declamations weekly during the year.

## SENIOR YEAR.

## FIRST TERM.

*Astronomy* ..... Snell's Olmsted, and Lectures.

*Mental Philosophy* Haven, and Lectures.

*Eng. Literature* .. Shaw.

*Aesthetics* ..... Bascom.

*Elective Studies*... Examination of Soils—Forestry.

## SECOND TERM.

*Rhetoric* ..... Bascom.

*Logic* ..... Whateley.

*Moral Philosophy* Hopkins, and Lectures.

*Eng. Literature*.. Lectures.

*Natural History*.. Geology and Mining.

*Elective Studies*.. Modern Languages, Chemical Analysis,  
Determinate Mineralogy.

## THIRD TERM.

*Natural Theology*. Chadbourne.

*Evidences* ..... Lectures.

*History*..... Guizot's History of Civilization.  
General Review.

*Elective Studies*.. Reviews.

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

COLLEGE OF ARTS.

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DEPARTMENT OF

ENGINEERING AND MILITARY TACTICS.

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FACULTY.

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

\*COL. W. R. PEASE, U. S. ARMY,  
Professor of Engineering and Military Tactics.

\*Col. PEASE having been relieved from duty here, a successor will be secured by the Regents at an early day.

# RULES AND REGULATIONS

FOR THE GOVERNMENT OF THE DEPARTMENT OF

# ENGINEERING AND MILITARY TACTICS

IN THE UNIVERSITY OF WISCONSIN.

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## ARTICLE I.

### ORGANIZATION.

I. All male students of the University shall be organized into a Battalion of two or more companies, under the command of the Professor of Engineering and Military Tactics.

II. Each company shall be designated by a letter of the alphabet and officered by one Captain, one Lieutenant, three Sergeants and four Corporals.

III. The number of officers and non-commissioned officers as provided for in the preceding paragraph, may be increased, as in the judgment of the President of the University, and of the Professor of Military Tactics, the wants of the Battalion may require.

IV. There shall be appointed, two Lieutenants; one to perform the duties of Adjutant, the other to act as Quartermaster of the Battalion. These officers shall constitute the Commissioned Staff of the Battalion.

V. There shall be appointed two Sergeants; one of them to be designated Sergeant Major, the other Quartermaster Sergeant.

These Sergeants will constitute the non-commissioned Staff of the Battalion.

## ARTICLE II.

## APPOINTMENT OF OFFICERS AND NON-COMMISSIONED OFFICERS.

I. The commissioned officers shall be selected from the Senior Class, excepting the commissioned staff, which may be selected from the battalion at large.

II. The Sergeants shall be selected from the Juniors, and the Corporals from the Sophomores.

III. If it shall happen that either of the classes, by reason of its small number, cannot furnish its quota of Officers or non-commissioned Officers, then the complement may be reduced, or, the number made up by appointments from such classes as the President of the University, and the Professor of Military Tactics may designate.

IV. Appointments made under the authority of the preceding paragraph, shall be regarded as acting appointments, but the appointees while thus acting, shall wear the uniform, and be entitled to the rank and privileges pertaining to the office.

V. All appointments shall be made by the President of the University in consultation with the Professor of Military Tactics and his Assistants. Each Officer and non-commissioned Officer shall be furnished with a warrant showing his grade and date of appointment.

## ARTICLE III.

## LENGTH OF TERM OF SERVICE OF THE OFFICERS AND NON-COMMISSIONED OFFICERS.

I. The appointments will be so regulated that during the first half of the Collegiate year, each Student of the Senior class, who may be competent, and whose military deportment

may have been commendatory, shall be appointed to an office pertaining to his class.

In other words the principle of rotation in office will govern in the selection of officers during the first half of the Collegiate year, but the appointments for the remaining part of the year will be regarded as permanent, subject however to be revoked in any case, for incompetency, insubordination, neglect of duty or other unmilitary or improper conduct.

II. The permanent appointments will be made from among those Students found to be most meritorious in their military studies, exercises and deportment.

III. Paragraph I of this Article, shall not apply in the cases of the Adjutant and Quartermaster, but these officers shall be retained in office during the pleasure of the Professor of Military Tactics.

#### ARTICLE IV.

##### UNIFORM.

I. There shall be adopted a uniform dress, to consist of a frock coat, pantaloons and forage cap.

II. *Coat.* The coat shall be a single breasted frock of dark blue cloth; one row of nine buttons on the breast; narrow turn over collar of dark blue velvet; three small buttons on each cuff; two large buttons at the top of the pockets in the skirt, two at the bottom, and one midway between the top and bottom button on each pocket.

III. *Pantaloons.* The pantaloons to be of the same material and color as the coat, and made up plain with no trimmings.

IV. *Cap.* The forage cap to be of the same material and color as the coat, of the army pattern with a gold wreath enclosing the letters   The wreath to be worked on black velvet, and the letters embroidered in silver.

V. *Buttons.* The button of the coat and cap to be of the same pattern as that of the general staff corps of the U. S. Army, with the addition of the letters *U. W.* stamped npon it over the eagle.

VI. *Shoulder Straps.* The commissioned officers shall wear shoulder straps to indicate their rank. The strap to be of the same style as that worn by officers of the staff corps of the U. S. Army.

VII. *Chevrons.* All non-commissioned officers shall wear upon each sleeve of the coat, above the elbow, a chevron indicating their rank. The chevron shall be of the same style as that worn by the non-commissioned officers of U. S. army, the bars of the chevron to be made of gold lace.

VIII. *Sash.* The sash for commissioned officers to be of crimson silk; for non-commissioned staff, and first sergeants of companies, crimson worsted.

IX. *Sword-belt.* The sword-belt will be of the same pattern as that adopted in the United States Army for like grades.

NOTE.—Students are requested not to make any expenditures for uniforms until notified by the president of the University.

## ARTICLE V.

### MILITARY EXERCISES.

I. There shall be a drill in some one of the different arms of the service, at least three times each week when the weather permits.

II. *Drills.* The drills shall comprise practical instruction in the schools of the Soldier, Company and Battalion, Field Artillery and Dismounted Cavalry.

III. *Dress Parades.* There shall be an evening Dress Pa-

rade of the Battalion at such times as may be deemed necessary for instruction and exercise.

IV. *Undress Parades.* Parades, without arms, shall be made at such times as may be found necessary.

V. *Guard Mounting.* The ceremony of mounting and turning off guards will occur as often as may be deemed necessary for instruction. Students will be instructed in the duties of Officer of the Day, Officer of the Guard and Sentinel.

VI. Practical instruction in the Field, in laying out and constructing Field Fortifications and other military works, will be given the class pursuing the study of Military Engineering.

## ARTICLE VI.

### COURSE OF STUDY AND MILITARY EXERCISES.

I. The Course of Study will comprise Civil and Military Engineering, Infantry, Cavalry, Field, Garrison and Siege Artillery Tactics, Advanced Guard and Out Post, &c., Ordnance and Gunnery, Military Law and Practice of Courts Martial and Army regulations.

#### II.—*Seniors.*

##### *First Term.*

Civil and Military Engineering, Practical instruction in the Schools of the soldier, Company and Battalion, and Field Artillery.

##### *Second Term.*

Civil and Military Engineering.

##### *Third Term.*

Civil and Military Engineering, Review of Studies of preceding terms.

Practical instruction in the Schools of the Soldier, Company and Battalion, and Dismounted Cavalry.

III.—*Juniors.**First Term.*

## Infantry Tactics.

Practical instruction in the Schools of the Soldier, Company and Battalion, and Field Artillery.

*Second Term.*

Cavalry, Field, Garrison and Siege Artillery Tactics, Ordnance and Gunnery.

Practical instruction in the School of the Soldier.

*Third Term.*

Military Law and Practice of Courts Martial and Army Regulations.

Practical instruction in the Schools of the Soldier, Company, Battalion and Dismounted Cavalry.

IV.—*Sophomores.**First Term.*

Practical instruction in the Schools of the Soldier, Company and Battalion.

*Second Term.*

Practical instruction in the School of the Soldier.

*Third Term.*

Practical instruction in the Schools of the Soldier, Company and Battalion, and Dismounted Cavalry.

V.—*Freshmen.**First Term.*

Practical instruction in the Schools of the Soldier, Company and Battalion.

*Second Term.*

Practical instruction in the School of the Soldier.

*Third Term.*

Practical instruction in the Schools of the Soldier, Company and Battalion.

VI. No Student will receive instruction in any part of the theoretical course of this Department, who does not receive practical instruction in Military Tactics, and only such Students as are proficient in the higher mathematics will receive instruction in Civil Engineering.

VII. All University Students, may pursue the course of Military Study, under the restrictions of the preceding paragraph.

## ARTICLE VII.

### CODE OF DISCIPLINE.

I. All male Students of the University, except such as are disqualified by physical infirmity, or otherwise excused, will be required to attend all Military Exercises, for the purpose of instruction in the drills of the several Arms of the Service.

II. Students will be required to be present, and to answer to their names at all stated roll-calls.

III. No Student will be permitted to absent himself from any recitation, or from any Military duty whatever, unless excused by proper authority.

IV. *Responsibility for Arms, &c.* Each Student will be held to a strict responsibility for the proper care of the Arms and other property which may be issued to him, and any willful neglect of, or injury to, or loss of any article, will not only subject him to the payment of the value of the article thus injured or lost, but will also subject him to such other penalty as the offense may warrant, and the Faculty prescribe.

V. All Students of the University, except such as enter for one or two terms only, and such as may be exempted from

Military duty by reason of permanent physical disability, will be required to procure the prescribed uniform dress, and to wear it on all occasions, when on military duty, or reciting in the Military Department.

## ARTICLE VIII.

### MERIT ROLL.

I. The Professor of Engineering and Military Tactics, shall keep daily notes of the progress of each student in his military studies.

At the close of each term, rolls will be made, and the names of students entered thereon, in the order of their merit, which will be determined by the aggregate mark of each during the term.

At the close of the Collegiate year, similar rolls will be prepared, in which the names of students of each class will appear in the order of merit in their studies and military deportment.

II. The Merit Roll of each class will be published in the annual Catalogue.

## ARTICLE IX.

### BOARD OF EXAMINERS.

A Board of Examiners, to consist of the President of the University, the Professor of Engineering and Military Tactics and such Assistants as may be employed in this Department, shall convene at the close of each term for the purpose of determining the merits of each student in the studies he may have pursued during the term.

## ARTICLE X.

### DIPLOMA.

At the close of the Collegiate year, a Diploma, signed by

the members of the Board of Examiners, shall be given to each student who shall have passed a satisfactory examination in the course of study pertaining to this department.

## ARTICLE XI.

### TEXT BOOKS.

The following are the text books in use in this department, viz :

Mahan's Civil Engineering.

“ Field Fortification.

“ Advance Guards and Out Posts, &c.

Benit's Military Law and Practice of Court Martial.

Benton's Ordnance and Gunnery.

Upton's Infantry and Tactics.

United States Tactics for Field, Garrison and Siege Artillery and Cavalry.

United States Army Regulations.

## ARTICLE XII.

### ARMS AND EQUIPMENTS.

The Rifles, Carbines, Field Artillery and equipments pertaining thereto, and non-commissioned Officers' swords and belts, are the property of the State of Wisconsin.

## ARTICLE XIII.

### MISCELLANEOUS.

I. The Professor of Engineering and Military Tactics will adopt such additional rules and regulations, as in his judgment, may be necessary to enforce the requirements and prohibitions of the Code of Discipline, and to perfect the system contemplated in the foregoing Articles.

II. The Course of Study in this Department, under the restrictions of paragraph VI., Article VI., shall be elective.

III. The Board of Regents at its Annual Session will forward to the Governor of the State the names of five Graduates in this Department, standing first on the list according to merit in their studies and Military deportment, who shall be recommended to the War Department as proper persons to receive the appointment of Second Lieutenants in the Regular Army.

COLLEGE OF ARTS.

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DEPARTMENT OF AGRICULTURE.

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FACULTY.

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

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

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

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

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HON. R. B. SANDERSON, B. R. HINCKLEY, Esq.,  
N. B. VAN SLYKE, Esq.  
Farm Committee.

JOHN L. LEWIS.  
Farm Superintendent.

## COURSE OF STUDY.

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### FIRST YEAR.

#### FIRST TERM.

**BOTANY.**—Structural Botany, including microscopic examination of tissues and other minute structures. Physiological Botany, including the germination and growth of plants. Systematic Botany, or classification of plants, including a discussion of the general principles of classification in the different departments of Natural History. The limitations of species and origin of varieties, with exercises in Botanical analysis.

#### SECOND TERM.

**PRACTICAL AGRICULTURE.**—Location of farm. Division into fields. Arrangement and planning of farm buildings. Farm implements. General principles of tillage. Principles of Drainage. Laying out and construction of drains. Methods of seeding. Harvesting of crops.

**PHYSICAL GEOGRAPHY AND CLIMATOLOGY.**—Dews, Frosts, Fogs, Clouds, Rain, Hail, Snow, Winds and local causes affecting climate, as proximity to mountain chains, to forests, or to bodies of water. Effect produced by the removal of forests, or by planting screens of timber. Meteorological instruments, their methods of use and advantages to the agriculturist.

## THIRD TERM.

**PRACTICAL BOTANY.**—Botanical characteristics and geographical distribution of the natural orders, with their relative importance. The genera and species having agricultural value, those having commercial or medical value, those having ornamental value, and those which are noxious or detrimental—as weeds or poisonous plants.

**HORTICULTURE.**—Hot beds, their construction and use. Methods of propagation of plants, by layers, by cuttings, by budding, by grafting, &c. Transplanting. Varieties of small fruits, and the best means of cultivating them. General management of nurseries. Production of new varieties. Landscape gardening.

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## SECOND YEAR.

## FIRST TERM.

**CHEMISTRY.**—The forces, Heat, Light, Electricity and Magnetism. Chemical affinity and the laws of chemical combination. The Elements, their history, properties, combinations and uses. Applications of Chemistry to the arts and manufactures. Laboratory practice will be begun as soon as the student has become sufficiently advanced, taking up the special reactions of the elements, and the laws of chemical decomposition and precipitation.

## SECOND TERM.

**ZOOLOGY.**—Principles of classification. Descriptive Zoology, comprising the systematic arrangement of animals in accordance with their natural affinities, into classes, orders, families, &c. Natural history of domestic animals.

**ORGANIC CHEMISTRY.**—Composition of organic bodies and their special characteristics. Chemistry of germination, of nutrition, of vegetable growth, of decomposition, of fermentation, of saponification.

**ANALYTICAL CHEMISTRY**—Including general analysis, analysis of Minerals, Blowpipe analysis, analysis of soils, manures and ashes of plants. Volumetric analysis and its applications to acidimetry and alkalimetry.

#### THIRD TERM.

**PRACTICAL AGRICULTURE.**—General principles of farm economy. Care and feeding of Stock. Manures, animal, vegetable and mineral, their management and mode of application. Preparation of the soil for particular crops. Cultivation of crops. Management of grass lands. Improvement of soils by physical means, as draining, subsoiling, &c. Conducting experiments. Industrial Statistics.

**ZOOLOGY.**—General Physiology, Comparative Anatomy, and Embryology. Entomology, including classification of insects. Habits of noxious species and best means of checking their ravages. Habits of beneficial species.

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#### THIRD YEAR.

##### FIRST TERM.

**FORESTRY.**—Planting and management of Forest Trees. Soils adapted to their growth. Value of different kinds of trees for fuel, building and other purposes.

**GEOLOGY.**—Dynamical and descriptive. Origin of soils. Building Materials. Coal and Metals.

## SECOND TERM.

**AGRICULTURAL CHEMISTRY.**—Composition of soils. The relations of air and moisture to vegetable growth. Connection of light, heat and electricity with growth of plants. Chemical changes attending vegetable growth. Chemistry of the various processes of the farm, as plowing, fallowing, draining, &c. Preparation, preservation and composting of manures. Artificial manures. Methods of improving soils by chemical means, by mineral manures, by vegetable manures, by animal manures. Chemical composition of the various crops. Chemistry of the dairy.

## THIRD TERM.

**ANIMAL HUSBANDRY.**—Breeds of domestic animals, their characteristics, and adaptation to particular purposes. Principles of stock breeding. Veterinary surgery and medicine.

**HISTORY OF AGRICULTURAL EDUCATION.**

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**NOTE.**—It will be noticed that the same branch sometimes occurs in different parts of the course. In some cases this has been found necessary in properly arranging the studies into terms. In other cases this necessity arises from the different methods in which the same subject will be discussed; these methods belonging to different departments of instruction, some of them adapted to students in the earlier, and others to those in the later part of the course.

## SPECIAL INFORMATION.

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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.

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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.

**PHYSICAL GEOGRAPHY AND CLIMATOLOGY.**—Besides the general principles of Physical Geography, and the laws of the formation and deposition of dews, frosts, &c., 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.

By vote of the Regents, five acres of the farm have been set apart for the use of the Wisconsin State Horticultural Society. The University will thus have the aid of the best practical talent in the State, in illustrating the methods of fruit culture.

**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 also be noticed 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 in 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 must be regarded as an experiment. An institution, or any department of instruction in it, must be studied and modified until it meets the wants of the people. Their wants will be learned by the demands 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.

UNIVERSITY OF WISCONSIN.

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COLLEGE OF LETTERS.

## FACULTY.

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**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 E. DAVIES, M. D.**

Professor of Natural History and Chemistry.

**STEPHEN H. CARPENTER, A. M.,**

Professor of 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.

**JOHN B. PARKINSON, A. M.,**

Professor of Mathematics.

**AMOS H. THOMPSON, A. B.,**

Tutor.

## TERMS OF ADMISSION.

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Candidates for admission to the Freshman Class are examined in Geography, Arithmetic and Algebra to Quadratic Equations ; in English, Latin and Greek Grammar ; in Cæsar, Virgil, Cicero's Orations and in three books of Xenophon's Anabasis. 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.

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### FRESHMAN CLASS.

#### FIRST TERM.

<i>Latin</i> .....	Livy—Lincoln.
<i>Greek</i> .....	Xenophon's <i>Anabasis</i> —Boise.
<i>History</i> .....	United States—Eliot.
<i>Lectures</i> .....	Laws of Health and Methods of Study.
<i>Elective</i> .....	French.

#### SECOND TERM.

<i>Mathematics</i> .....	Geometry, continued.
<i>Latin</i> .....	Cicero <i>de Senectute</i> and <i>de Amicitia</i> .
<i>Greek</i> .....	Xenophon's <i>Memorabilia</i> —Robbins.
<i>History</i> .....	Greece—Smith.
<i>Elective</i> .....	French.

#### THIRD TERM.

<i>Mathematics</i> .....	Geometry, completed.
<i>Latin</i> .....	Horace—Odes.
<i>Greek</i> .....	Memorabilia, continued.
<i>Antiquities</i> .....	Greek and Roman.
<i>History</i> .....	Rome—Liddell or Smith.
<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—Loomis.
<i>Latin</i> . . . . .	Horace—Satires and Epistles.
<i>Greek</i> . . . . .	Homer—Iliad.
<i>German</i> . . . . .	Otto's Conversation Grammar.
<i>Natural History</i> . . . .	Botany.
<i>History</i> . . . . .	Roman Empire—Lectures.

## SECOND TERM.

<i>Mathematics</i> . . . . .	Algebra, completed—Loomis.
	Conic Sections.
<i>Latin</i> . . . . .	Histories of Tacitus—Tyler.
<i>Greek</i> . . . . .	Æschylus Prometheus—Woolsey.
<i>German</i> . . . . .	Otto's Conversation Grammar.
<i>History</i> . . . . .	Mediæval—Student's France.

## THIRD TERM.

<i>Mathematics</i> . . . . .	Plane Trigonometry, Mensuration, Surveying and Navigation—Loomis.
<i>Latin</i> . . . . .	Captives of Plautus—Proudfit.
<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.

*Rhetoric* ..... Day's Art of Discourse.  
*Mathematics* ..... Spherical Trigonometry—Loomis.  
Analytical Geometry.  
*Chemistry* ... Youman's and Lectures.  
*Natural History*.. Mineralogy—Dana.  
*Human Anatomy*. Lectures.

## SECOND TERM.

*Physics* ..... Snell's Olmsted begun—Lectures.  
*Civil Polity*..... Political Economy—Perry.  
*Chemistry* ..... Organic and applied.  
*Natural History*.. Zoology begun—Agassiz.  
*History* ..... England—Students' Hume.  
—  
*Elective* ..... Calculus.

## THIRD TERM.

*Physics* ..... Snell's Olmsted, completed, with Lectures.  
*Civil Polity*..... International Law, Constitution of the  
United States.  
*Natural History*.. Zoology completed.  
General Physiology.  
—

Themes and Declamations weekly during the year.

## SENIOR YEAR.

## FIRST TERM.

*Astronomy* ..... Snell's Olmsted, and Lectures.  
*Mental Philosophy* Haven, and Lectures.  
*Eng. Literature* .. Shaw.  
*Aesthetics* ..... Bascom.

## SECOND TERM.

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

## THIRD TERM.

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

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

PREPARATORY DEPARTMENT.

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INSTRUCTORS.

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

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

AMOS H. THOMPSON, A. B.  
Instructor in Ancient Languages and English Branches.

ISAAC S. LEAVITT, PH. B.,  
Instructor in English Branches.

ALBERT H. SOUTHWORTH, PH. B.  
Instructor in English Branches.

## TERMS OF ADMISSION.

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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 designed 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.

The Course of Study in this Department is now reduced to one year. The optional courses in Latin and Greek, however, offer ample opportunities for those who desire to prepare for the College of Letters.

Candidates must not be under twelve years of age, and must also be well prepared, to enter upon the following course of study.

## COURSE OF STUDY.

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English Grammar.

Arithmetic.

Geography.

Latin Lessons and Grammar—Allen's

Latin Reader.

Cæsar.

Algebra to Quadratic Equations.

Exercises in Reading, Declamations, Written Translations  
and Compositions through the year.

## LAW DEPARTMENT.

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### FACULTY.

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

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

**HON. ORSAMUS COLE, LL. D.,**  
Associate Justice of the Supreme Court of Wisconsin,  
Professor and Lecturer on Domestic Relations.

**HON. BYRON PAINE, LL. D.,**  
Associate Justice of the Supreme Court of Wisconsin.  
Professor and Lecturer on Practice.

**HON. H. S. ORTON,**  
Dean of the Faculty.  
Professor and Instructor in the Law of Personal and Real Property, Commercial Law,  
and Wills.

**J. H. CARPENTER, Esq.,**  
Professor and Instructor on Contracts, Criminal Law, Agency and Bailments.

**WM. F. VILAS, LL. B.,**  
Professor and Instructor in Evidences and Pleadings.

## TERMS OF ADMISSION.

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Students will be admitted at any time ; but those who are not Collegiate graduates must be 20 years of age to enter this Department.

No examination for admission is required.

Credentials of good moral character must be furnished.

Matriculation fee \$25.

Tuition, per term, \$10.

## COURSE OF STUDY.

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### FIRST TERM.

JUDGE ORTON,..... Personal Property. Partnership. Corporations. Contract 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 PAINE,..... Practice.

PROF. VILAS, ..... Equity Pleading. Pleading under the Code.

### THIRD TERM.

JUDGE ORTON,..... The Law of Real Estate, Uses, Trusts, Powers and Wills.

Assisted by a Member of the Dane county Bar on the Law of Taxes and Tax Titles.

PROF. CARPENTER,.. Bailment and Agency.

JUDGE DIXON, ..... Equity Jurisprudence.

PROF. VILAS, ..... Law of Evidence.

## SPECIAL INFORMATION.

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### THE LAW DEPARTMENT

Of the State University was organized and put in practical operation in the year 1868, and its success has been gratifying in the highest degree. The great advantage of professional schools for the rapid and thorough elementary training of professional men has been long since completely demonstrated, and no profession has more entirely accepted and heartily acknowledged the benefits of such schools than the legal profession.

The learning of this profession embraces almost all the relations of life, and as it is the result of the experience of many ages, is scattered through very numerous volumes of treatises, reports, statutes and digests. To obtain the mastery of the numerous topics embraced within the limits of the body of the law in such degree of perfection as marks the learned lawyer, requires many years of diligent study and practical experience.

This result is not to be attained by any mere student. What the beginner wants is to obtain a comprehensive general view and analysis of the whole system, then to learn, without the careful reading which would occupy a lifetime, what the books contain and where to search for more particular and detailed information; and to acquire the habits and modes of legal study and thought.

Superadd to this, an acquaintance with the rules and principles of practice in the Courts, and the Student is prepared to begin the work of life.

This degree of attainment can be reached in the professional school in at least half the time that the student can otherwise acquire it, and with the additional advantage that there is no encumbrance of obsolete ideas or mistaken impressions, which are so difficult for any but a lawyer to distinguish from living doctrine among the great mass of legal writings.

To afford to the young men of Wisconsin and the Northwest ready facilities for such acquirements, this Department has been established by the State University.

#### THE METHOD OF INSTRUCTION

Is for the most part by lectures, and by reading under the direction of the professors, with moot court practice. The lecture system is peculiarly adapted to the study of law. Few text books are written for students. The most elementary works are designed as exhaustive treatises for the use of lawyers and embrace not only the history of the growth of the doctrines, but also a discussion of the subject in far more detail than the student can advisably pursue so early. The lectures give a clear analysis of the subject under discussion, not involved with that which is obsolete or too minute.

The practising lawyer, acting as instructor, can refer the student to just such parts of the text books and to such adjudications in the reports, as present in the best manner the principles which it is important to know. This system of reading cases in connection with text books is of the first usefulness.

The Moot Court will be held weekly; and here the students are taught to perform, as students, just what they will be required to do as lawyers. The preparation of pleading and the argument of questions—all selected from actual cases occurring in practice and designed to illustrate the subjects discussed in the lectures—under the direction of the Dean of the Faculty,

formerly one of the Circuit Judges of the State, will afford to the student unsurpassed facilities for acquiring a practical familiarity with the modes of administering the law. To those who know the difficulty with which the young lawyer acquires the easy confidence necessary to successful practice, this part of the school will especially commend itself.

An additional means to the same end consists in the forming of Clubs by the Students themselves, for which the Instructors will afford every assistance and the use of the lecture room is granted.

#### THE PECULIAR ADVANTAGES

Which the City of Madison, as the Capital of the State, affords to the student of law deserve mention.

All sessions of the Supreme Court are held here, and also one term of the U. S. Circuit and District Courts annually. The Circuit Court for the county of Dane holds three terms annually; so that there is almost constantly some court in session.

*The Law Library* of the State, which is probably the largest collection of the kind in the Northwest, is at all times accessible to the Students. The advantage of this library to the Student can hardly be overestimated. He can here become familiarized with series of reports and with many treatises which are rarely found in private libraries.

*The Miscellaneous Library of the State Historical Society*, numbering over 30,000 volumes, is also open to the Students of this school.

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.

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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.

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### 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.

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

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

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

MISS ELIZABETH EARLE,  
Preceptress.

MISS CLARISSA L. WARE,  
Associate Preceptress.

MISS FRANCES BROWN,  
Teacher of Music.

MISS ELIZA BREWSTER,  
Teacher of Drawing and Painting.

## STUDENTS.

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### SENIOR CLASS.

<i>Names.</i>	<i>Residence.</i>
Clara D. Bewick.....	Madison.
Nellie L. Chynoweth.....	Madison.
Annie Hayden.....	Evansville, Ind.
Emma McManus.....	Syene.
Jane E. Nagle.....	Patch Grove.
Helen V. Noble.....	Madison.
Lizzie S. Spencer .....	Evansville.
Ella U. Turner.....	Madison.

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### SENIOR MIDDLE CLASS.

Carrie E. Adams.....	Door Creek.
Amelia C. Bailey.....	Sun Prairie.
Julia L. Cook.....	Brooklyn.
Cora W. Gregory.....	Madison.
M. Gertrude Hardenburg.....	Lone Rock.
Olive L. Hoyt.....	Madison.
Helen E. Jones.....	Madison.
Genevieve Mills.....	Madison.
Laura A. Newton.....	Oregon.
Julia A. Proudfit.....	Madison.
Lizzie Ward.....	Madison.

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## JUNIOR MIDDLE CLASS.

<i>Names.</i>	<i>Residence.</i>
Fannie E. Allen.....	Madison.
Sarah E. Bement.....	Oregon.
Ella A. Brainerd.....	Madison.
Maria L. Brown.....	Cottage Grove.
Allie J. Burwell.....	Cottage Grove.
Maria E. Byrne.....	Blooming Grove.
Louisa M. Campbell.....	Evansville.
Annie M. Castle.....	Canandaigua, N. Y.
Edith W. Conover.....	Madison.
Alice J. Craig.....	Madison.
Flora Cramer.....	Stoughton.
Jennie De Forest.....	Madison.
Clara S. Drake.....	Madison.
Ella A. Giles.....	Stoughton.
Mattie L. Goodwin.....	Middleton.
Nettie F. Gorum.....	Madison.
Clara M. Heeny.....	Black Earth.
Annie Herron.....	Madison.
Lizzie Heistand.....	Blooming Grove.
Maggie J. Kincaid.....	Portage.
Jennie Laurie.....	Madison.
Annie A. Liddell.....	Madison.
Alice A. Mears.....	Madison.
Hattie B. Mitchell.....	Lodi.
Jennie Muzzey.....	Clinton.
Sarah E. Peck.....	Black Earth.
Jennie R. Perkins.....	Madison.
Mattie Poland.....	Madison.
Lois Robbins.....	Madison.
Ada M. Robson.....	Rutland.
Ellen C. Sabin.....	Windsor.
Annie L. Shipman.....	Madison.
Ida F. Smith.....	Madison.

<i>Names.</i>	<i>Residence.</i>
Ella P. Starkweather.....	Evansville.
Clara Stevens.....	Stoner's Prairie.
Nettie Thompson.....	Burke.
Rosa Trautman.....	Sauk City.
Kittie Turner.....	Madison.
Fannie Z. G. Walker.....	Stoughton.
Alice M. Welsh.....	Arlington.
Lizzie White.....	Retreat.
Susie M. Williamson.....	Madison.
Mary Woodburne.....	Windsor.

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## JUNIOR CLASS.

Hattie Andrews.....	Madison.
Calista Andrews.....	Paoli.
Mary B. Anderson.....	Pine Bluff.
Lottie M. Anderson.....	Pine Bluff.
Cora A. Bacon.....	Leicester.
Nellie Bacon.....	Leicester.
Alice H. Barker.....	Blooming Grove.
Maggie E. Baxter.....	Windsor.
Lelia Beach.....	Madison.
Lorraine E. Bement .....	Oregon.
Lottie E. Blanchard.....	Windsor.
Louise Broderick.....	Blooming Grove.
Martha Cameron.....	Springfield.
Ida S. Carpenter.....	Windsor.
Isadora Carpenter.....	Dubuque, Iowa.
Maggie Cass.....	Cottage Grove.
Rose Caswell.....	Blooming Grove.
Sarah Chandler.....	Madison.
Lutetia E. Clark,.....	Ashton.
Naomi L. Clewitt,.....	Middleton.

<i>Name.</i>	<i>Residence.</i>
Sarah Clewitt,	Middleton.
Mary Cooper,	Madison.
Nettie L. Crane,	Rutland.
Mary A. Dasey,	Mazomanie.
Maggie M. Davison,	Cottage Grove.
Sarah A. Devlin,	Madison.
Florence A. Dodge,	Madison.
Marilla Douglas,	McFarland.
Alice Ellis,	Westport.
Emma Ellis,	Oak Hall.
Ada B. Foresman,	Madison.
Margaret Galbraith.	Madison.
Alice E. Gilbert,	Madison.
Carrie Griffith,	Oregon.
Sarah N. Haight,	Syene.
Lucia M. Harris,	Cottage Grove.
Emma Harrington,	Chicago, Ill.
Jennie Hollar,	Primrose.
Louise Houston,	Kenosha.
Mary C. Huntington,	Rising Sun.
Isadore C. Hurd,	McFarland.
Grace J. Jack,	Madison.
Emma A. Kellogg,	Madison.
Ellen Kollock,	Belleville.
Jennie Kollock,	Belleville.
Isabella Lamont,	Springdale.
Ida Leitch,	Madison.
Kittie Lee.	Brooklyn.
Salina Lee.	Brooklyn.
Mary C. Matts.	Paoli.
Annie M. Martin.	Blue Mounds.
Emma M. Martin.	Ashton.
Estella A. Martin.	Oregon.
Laura A. Marsh.	Madison.

<i>Names.</i>	<i>Residence.</i>
Annie A. Marsh . . . . .	Rolling Prairie.
Mary McCoy . . . . .	Dayton.
Mary G. McChrystal . . . . .	Cottage Grove.
Annie L. Mears . . . . .	Madison.
Augusta A. Merriam . . . . .	Waterloo.
Henrietta Morey . . . . .	Madison.
Ellen J. Moss . . . . .	Sun Prairie.
Ellen A. Mowrey . . . . .	Windsor.
Helen L. Murphy . . . . .	Madison.
Emma Netherwood . . . . .	Brooklyn.
Susie E. Noble . . . . .	Madison.
Retta A. Orton . . . . .	Madison.
Velma A. Palmer . . . . .	Madison.
Addie Phillips . . . . .	Madison.
Cleora Pritchard . . . . .	Fitchburg.
Mary J. Robertson . . . . .	Vienna.
Metta Rogers . . . . .	Westport.
Christina Rollo . . . . .	Brooklyn.
Lilian H. Roos . . . . .	Madison.
Lucy Richardson . . . . .	Cooksville.
Maggie E. Ryan . . . . .	Syracuse, N. Y.
Hattie Sanford . . . . .	Middleton.
Sarah Sayles . . . . .	Middleton.
Rosa Shipman . . . . .	Madison.
Jane Simpson . . . . .	Jenniton.
Evangeline Smith . . . . .	Windsor.
Hattie E. Smith . . . . .	Burke.
Mary J. Smith . . . . .	Burke.
Eva E. Swain . . . . .	Vienna.
Ida F. Tenney . . . . .	Madison.
Martha True . . . . .	Fitchburg.
Lizzie A. Wagner . . . . .	Pheasant Branch.

## SPECIAL STUDENTS IN GERMAN.

<i>Names.</i>	<i>Residence.</i>
Charity Rusk, . . . . .	Madison.
Sarah Thorp, . . . . .	Madison.

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## TERMS OF ADMISSION.

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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.

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### 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.

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*Elective*..... French, Latin.

## SECOND TERM.

*Mathematics*..... Plane Geometry.  
*Science*..... Physiology.  
*History*..... Mediaeval.  
General Exercises.

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*Elective*..... French, Latin.

## THIRD TERM.

*Mathematics*..... Solid Geometry.  
*Eng. Language*... Rhetoric.  
*Nat. Science*..... Botanical Analysis.  
*History*..... Modern.  
*Reviews*..... Studies of the year.

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*Elective*..... French, Latin.

## THIRD YEAR.

## FIRST TERM.

<i>Mathematics</i> .....	Higher Algebra.
<i>Eng. Language</i> ....	Criticism and Literature.
<i>Nat. Science</i> .....	Zoology.
	General Exercises.
<i>Elective</i> .....	Latin, German.

## SECOND TERM.

<i>Mathematics</i> .....	Higher Algebra completed.
<i>Eng. Language</i> ....	Literature.
	History of English Literature—Lectures.
<i>Polity</i> .....	Constitution and Science of Government.
	Political Economy.
<i>Elective</i> .....	Latin, German.

## THIRD TERM.

<i>Philosophy</i> .....	Natural.
<i>Philosophy</i> .....	Mental.
<i>Mathematics</i> .....	Plane Trigonometry.
<i>Reviews</i> .....	Studies of the year.
<i>Elective</i> .....	Latin, German.

## FOURTH YEAR.

## FIRST TERM.

*Mathematics*..... Spherical Trigonometry.  
*Natural Science*... Chemistry.  
*Philosophy*..... Moral.

## SECOND TERM.

*Natural Science*... Astronomy.  
Geology.  
*Philosophy*..... Moral.  
*History*..... Civilization—Guizot.

## THIRD TERM.

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

*Elective*.—Ancient and Modern Languages throughout the year.

## SPECIAL INFORMATION.

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In addition to the prescribed course in this College, 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. Instruction in this department will be given by the President and Professors of the University as their services are required.

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.

### ACCOMMODATIONS.

For the present 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 Casketian Society, organized by the ladies of the college.

### BOARDING.

Board will be furnished in the building for \$3 per week, and furniture can be rented for one dollar per term.

Rooms will be rented in the building to ladies desiring to board themselves. They will be under the same regulations as those who board with the teachers.

## SUMMARY.

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Resident Graduates, . . . . .	4
College Classes, . . . . .	81
University Students, . . . . .	52
Preparatory, . . . . .	193
Law Students, . . . . .	15
	— 345
Female College, . . . . .	150
	—
Total, . . . . .	495

## GENERAL INFORMATION.

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### POLICY.

It is the aim of the University to meet the educational wants of every Student in the State. The courses of study as laid down are intended to be the mere outlines of work. In the optional studies and post-graduate course there is provision for all the demands of higher scholarship which are now made upon the Institution. And it is confidently expected that by the sale of lands and in other ways, provision will be made for the constant growth of the University as greater demands are made upon it.

It is advisable that students should pursue the prescribed courses if possible, adding to them as they are able, from the optional studies; but, by special vote of the Regents, the Faculty may excuse a student from any study in either course and substitute for it any other of equal educational value, such action of the Faculty being a matter of record.

The whole policy of the Institution is determined by the Regents who as a body represent the people and no particular sect or party.

### GOVERNMENT.

Students are held responsible only for good order and the diligent use of their time. Those who fail to conform to this simple requirement are at once dismissed. The University is

no place for idlers, for disorderly persons or for those who do not propose to give their *whole time* to the work prescribed for them by the Faculty. The loss of a single recitation not only injures the student, but those connected with him.

Leave of absence will not be granted except in cases of absolute necessity.

Each Faculty has special care of its own College or Department, but all the instructors teach wherever their services are required. Weekly reports are made by each Professor to the Faculty of the work in his own department and of all cases of delinquency.

The students and Faculty are assembled for prayers daily, fifteen minutes before the morning hour for commencing recitations. At this time all ~~public~~ announcements are made and the President also gives directions and instruction to the students in regard to all their general duties as members of the University.

No student is required to attend any religious exercise of any kind, but all directions in regard to this matter, given by parents or guardians, will be cheerfully followed.

#### 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 lectures, the same as when a text-book is used.

The following are the regular courses of Lectures :

To the SENIOR CLASS on Mental and Moral Philosophy, by the President; on Geology and Mining by Prof. Davies; on Rhetoric and Evidences, by Prof. Carpenter, and on Astronomy, by Prof. Sterling.

To the JUNIOR CLASS, on Chemistry, Mineralogy and Physiology, by Prof. Davies; on Comparative Zoology by Prof.

Verrill; on History and Civil Polity, by Prof. Allen, on Mechanics and Physics, by Prof. Sterling, and on Rhetoric and English Literature, by Prof. Carpenter.

To the SOPHOMORE CLASS, on Structural and Systematic Botany, by the President; on Practical Botany and Agriculture, by Prof. Daniells, and on History by Prof. Allen.

To the FRESHMAN CLASS, on the Laws of Health and Methods of Study, by the President; on History, by Prof. Allen; and on Natural History in its relations to the Arts, by the President and Prof. Davies.

To ALL THE CLASSES, on Philology by Prof. Feuling.

To SPECIAL STUDENTS on Analytical Chemistry, by Prof. Daniells.

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

#### LIBRARY.

The University Library comprises nearly four thousand volumes.

All the students have access to it free of charge. Valuable additions have been made during the past year.

Students also have opportunity, free of expense, to consult the State Historical and State Libraries, the former numbering thirty-five thousand volumes, and the latter comprising a choice collection of miscellaneous works and a very complete Law Library. Each is furnished with commodious rooms kept comfortable at all hours of the day. These are Library privileges unsurpassed in the West and equaled in very few institutions in the country.

#### EXAMINATIONS.

At the close of the first and second terms there is a public examination of all the classes of the University in the studies of the term.

During the week preceding Commencement, the several classes are examined, in presence of a Board of Visitors, in the studies of the year.

Promotion from class to class is made to depend on these examinations.

#### DEGREES.

Students who complete the course of study prescribed in the College of Letters are entitled to the degree of Bachelor of Arts, and, after the expiration of three years from the time of graduation, on recommendation of the Faculty to the Regents, receive the degree of Master of Arts.

Students who complete the course of study in the College of Arts, are entitled to the degree of Bachelor of Philosophy, and after the expiration of three years from the time of graduation, on recommendation of the Faculty to the Regents, receive the degree of Master of Science.

Students who complete the prescribed course of study in the Law Department, upon examination and recommendation of the Law Faculty, are entitled to the degree of Bachelor of Laws.

Students who remain one year in the University after graduation, devoting their time to study under the direction of the Faculty, are, on their recommendation to the Regents, entitled to the Master's degree. Those who remain two years, devoting themselves to Literature or Science, on recommendation of the Faculty, are entitled to the degree of Doctor of Philosophy.

Students who hold a first grade certificate, approved by the State Superintendent of Common Schools for the State of Wisconsin, and also all graduates of Normal Schools of the State, are, after one year's study under the direction of the Faculty, entitled to appropriate University degrees.

Graduates of the Female College receive the same degrees as graduates of the other colleges for the same course of study.

## APPARATUS AND CABINETS.

The University is provided with extensive and valuable Geological and Mineralogical Cabinets and collections in Natural History; also with well selected Philosophical and Chemical Apparatus.

Important additions have been made, the past year, to the means for teaching Chemistry and other Natural Sciences. As funds increase from the sale of lands, constant additions will be made to the Board of Instruction and to the means for teaching the Sciences in all their applications to the Arts.

## COMMERCIAL EDUCATION.

Arrangements have been made so that students in the University who desire to study any branch taught in the MADISON BUSINESS COLLEGE can do so for two-thirds the usual fees.

## LITERARY SOCIETIES.

The two Literary Societies—Athenæan and Hesperian—are sustained with great interest, and furnish valuable aid in the intellectual training of the student. Each has a library of several hundred volumes. Spacious and commodious rooms in University Hall have been provided and furnished at the expense of the institution for the use of these societies.

These societies admit to membership only students connected with the regular classes. Another, called the *Philomathean Society*, has been organized for Preparatory and University students.

## ROOMS.

Private Rooms in the North Dormitory Building, under certain restrictions, can be secured by gentlemen on application to the locating officer at the opening of each term.

No student will be allowed to occupy a room until his bills for the term are settled.

Students from abroad have the preference in the assignment of rooms.

Those in the regular classes are allowed the choice of rooms, and in the order of the classes.

Regular Students, in previous occupancy, if on the ground at the opening of the term, are permitted to retain their rooms, unless needed for those in higher classes.

*Rooms are furnished, except stoves, at the expense of the students*, who should bring their own bedding, towels, etc. Other furniture can be obtained here second-hand, or new, at moderate prices.

Occupants of rooms are held responsible for all damages to the same.

Students not accommodated in the University, and not residing with their parents in Madison, will lodge and board in town, under such regulations as the Faculty may prescribe.

#### TERMS AND VACATIONS.

The Commencement Anniversary is on the Wednesday preceding the last Tuesday of June, and is followed by a vacation of nine weeks.

There are three terms in each year, and three vacations.

The first term opens on Wednesday, nine weeks from commencement, and continues until the Friday preceding the last Thursday in November. The second term commences on the third Wednesday after the close of the preceding term, and continues till the Friday preceding the third Wednesday of March. The third term commences on the second Wednesday after the close of the term and continues till the Wednesday preceding the last Tuesday in June.

#### EXPENSES.

Tuition, per term.....	\$6 00
Room rent, per term.....	2 00
Heating of public rooms, 1st and 3d terms.....	1 00
Heating of public rooms, 2d term.....	2 00

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.

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## CALENDAR FOR 1869-70.

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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.