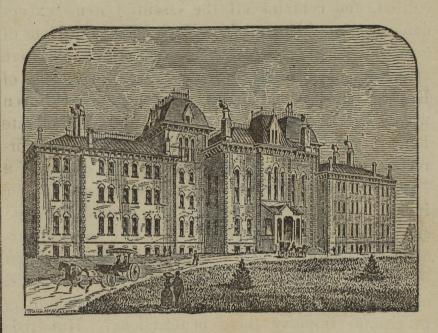
UNIVERSITY OF KANSAS.

1882.

LAWRENCE, KANSAS.



COURSES OF STUDY.

CLASSICAL, NATURAL HISTORY,

SCIENTIFIC, CHEMISTRY,

MODERN LITERATURE, NORMAL,

CIVIL ENGINEERING, PREPARATORY,

LAW.

ADDRESS CHANCELLOR FOR INFORMATION.

MUSIC.

Circular to Latrons and Friends.

THE unprecedented call for information about the University has exhausted our supply of the Annual Catalogue, published in June last, for general distri-This supplement is compiled from the large edition, and contains all the essential items except names and residences of students. Most questions of general interest concerning the institution are here answered. We most earnestly desire the people of Kansas to know for themselves and for their children what their University offers to its patrons. The State here proffers to every youth of sound mind and correct deportment, instruction in the higher studies of a liberal education. Tuition is FREE. A small fee for incidental expenses is the only charge to students on entering. Buildings, apparatus, instruction, are furnished at public expense. The State asks her children to use these advantages in becoming wiser, better and more prosperous citizens. Will the sons and daughters of Kansas improve these benefactions? Hundreds have given an affirmative answer. Other hundreds will enroll their names for this year. Here are no "privileged classes." Every home in the State, gladdened by the presence of a child, may say, hopefully, "this University is for us."

For any information needed, and not found in this supplement, write to CHANCELLOR'S OFFICE, Lawrence, Kansas.

Board of Regents.

Hon. GEORGE R. PECK	Topeka	Term	expires,	1882
Hon. S. S. BENEDICT	Guilford	. "	"	1882
Hon. J. W. SCOTT	Iola	. "	"	1883
HON, T. D. THACHER			"	1883
Hon. V. P. WILSON			"	1884
REV. E. NISBET, D.D.*			"	1884
REV. JAMES MARVIN, D.			io memb	er of
Board.				

OFFICERS OF THE BOARD.

JAMES MARVIN, President, ex-officio.

GEO. R. PECK, Vice President.

T. D. THACHER, Secretary.

B. A. AMBLER, Treasurer.

J. W. SCOTT, Auditor.

PROF. E. MILLER, Librarian.

W. J. HAUGHAWOUT, Gen'l Agt. for Univ'ty Lands.

J. A. BRENNAN, Supt. of Buildings and Grounds.

W. C. SPANGLER, Clerk and Bookkeeper.

COMMITTEES.

Instruction	GEO. R. PECK. E. NISBET. S. S. BENEDICT.
Library and Apparatus	S. S. BENEDICT. T. D. THACHER. JAMES MARVIN.
Finance	J. W. SCOTT. T. D. THACHER. V. P. WILSON.
Puildings Grounds and Sumlies	T. D. THACHER. JAMES MARVIN. J. W. SCOTT.
University Lands	V. P. WILSON. J. W. SCOTT. GEO. R. PECK.
Reports and Publications	E. NISBET. V. P. WILSON. JAMES MARVIN.

^{*}Resigned, and Mrs. Cora M. Downs, of Wyandotte, appointed to fill the vacancy.

faculty.*

REV. JAMES MARVIN, A. M., D. D., President, Professor of Mental and Moral Philosophy.

FRANK H. SNOW, A. M., Ph. D.,

Professor of Natural History.

[Botany, Zoölogy, Geology, Meteorology, and Physiology.]

DAVID H. ROBINSON, A. M., Professor of Latin Language and Literature.

EPHRAIM MILLER, A. M., Professor of Mathematics.

GEORGE E. PATRICK, M.S., Professor of Chemistry, Mineralogy and Metallurgy.

JAMES H. CANFIELD, A.M., Professor of History and Political Science.

FRANCES SCHLEGEL,
Professor of German and French Languages and Literature.

HERBERT S. S. SMITH, C. E.,

Professor of Physics, Astronomy, Civil Engineering, and Free-Hand

Drawing.

KATE STEPHENS, A. M., Professor of Greek Language and Literature.

REV. P. J. WILLIAMS, A. M., D. D., Dean of Normal Department.

REV. LEVERETT W. SPRING, A. M., Professor of English Literature, Rhetoric, and Betleslettres.

FRANK O. MARVIN, A.M.,

Assistant Professor of Mathematics, Physics, and Civil Engineering.

JAMES W. GLEED, A. B., Instructor in Elocution and Latin.

WILLIAM H. CARRUTH, A. B., Instructor in German, French, and English.

> JAMES W. GREEN, A. M., Dean of Law Department.

MARCUS SUMMERFIELD, Assistant Professor in Law Department.

RICHARD A. LEHMAN, MARY E. GREW, Instructors in Music.

Prof. D. H. ROBINSON, A.M., Secretary of Faculty.

^{*}In order of appointment.

Courses of Instruction.

COLLEGIATE DEPARTMENT.

Of the several departments contemplated in the act of incorporation, three have been organized, viz.: the Department of Science, Literature and Arts, the Normal Department, and the Law Department. The Collegiate department at present comprises seven courses of instruction, viz.: a Classical and a Modern Literature Course, each leading to the degree of Bachelor of Arts; a General Scientific Course, and three Special Scientific Courses—one in Chemistry, one in Natural History, and one in Civil and Topographical Engineering—each of the four Scientific Courses leading to the degree of Bachelor of Science. Other courses of instruction will be added as the growth of the State and of the University may render advisable.

TERMS OF ADMISSION.

For terms of admission to the Collegiate Department, see Schedule for Preparatory Department. Equivalents are accepted.

COLLEGIATE DEPARTMENT.

FIRST SESSION. 9-10.

10-11.

		Cicero (a). Livy (b) $\{ \text{Trigonometry } (a). \}$	
Scientific	Fr Soph	$\begin{cases} \text{Trigonometry} & (a) \\ \text{Laborat'ry prac.} \\ \text{in Chemistry} & (b) \end{cases}$	{Algebra, 12 w} Geometry, 8 w}
Modern Lit	Fr Soph	German Trigonometry (a)	Algebra, 12 w Geometry, 8 w German
All Courses	\{ Jun \ Sen	German	Logic (a), (reqir'd) $ \begin{cases} Greek (a). Spec'l \\ Gr'k(b). Miner- \\ al'y (a). Geol.(b) \end{cases} $

SECOND SESSION.

Classical Fr	{ Livy 5 w. Horace 15 w	Geometry, 4 w English, 16 w
Soph	Zoölogy	Lab. Prac. in Zo- ology
Scientific {Fr	French	Geometry, 4 w English, 16 w
Modern Lit {Fr Soph	Zoölogy	Lab. Prac. in Zo-
Modern Lit { Fr	French	Geometry, 4 w English, 16 w
(Soph	Z0010gy	Lab. Prac. in Zo- ology
All Courses Jun	{ Astronomy } Latin } { Latin } Eng. Literature }	{Greek} {Mathematics}
Sen	$\{ \begin{array}{l} \text{Latin} \dots \\ \text{Eng. Literature} \dots \ \} \end{array}$	{ Political Economy (required)
Spec. in Chem. Dept	Metallurgy	

⁽a) Studies to be taken during the first half of session. (b)

COLLEGIATE DEPARTMENT.

FIRST SESSION.

11-12.

12-1.

SECOND SESSION.

Botany	Laborat'ry Practice in Botany
Greek Botany	Analytical Geometry. Laborat'ry Practice in Botany.
French Botany	Analytical Geometry. Laborat'ry Practice in Botany.
French	Analytical Geometry. { Mediæval and Modern History (required). Greek.
$\left\{ \begin{array}{l} \text{Physiological Chemistry } (a) \\ \text{Toxicology } (b) \end{array} \right\}$	Materia Medica.

Studies to be taken during the second half of session.

NORMAL DEPARTMENT.

FIRST	SESSION.
9	-10.

	9-10.	10-11.
	{English Hist. and } Science of Gov} Science of Teaching	English Sentence { Algebra, 12 w } { Geometry, 8 w }
dad yr.	$\left\{ \begin{array}{l} \text{Trigonometry, } (a) \\ \text{Latin, } (b) \dots \end{array} \right\}$	Geology, (b)
1styr.	English Hist. and Science of Gov	English Sentence
Modern Lit 2d yr.	Science of Teach-	{ Algebra, 12 w } Geometry, 8 w }
3d yr.	$\{ \text{Trigonometry, } (a) \}$ Pract. Teach., $(b) \}$	Geology (b)
1styr.	Science of Gov	English Sentence
English 2d yr.	Science of Teaching	{ Algebra, 12 w } Geometry, 8 w }
3d yr.	$\left\{ \begin{array}{l} \text{Trigonometry, } (a) \\ \text{Pract. Teach., } (b) \end{array} \right\}$	Geology, (b)

SECOND SESSION.

	1st vr.	Geometry	
			(School Laws of)
Classical	2d yr.	Zoölogy	Kansas, 4 w
Comportation		(III-4 of Filmostion)	(English, 16 w)
	3d yr.	{ Hist. of Education } Outlines of Hist }	Practice Teaching
		Geometry	German
	150 9 1.	Goodact,	(School Laws of)
7.6. 7 7.4	2d yr.	Zoölogy	Kansas, 4 w
Modern Lit			(English, 16 w)
	3d vr.	{ Hist. of Education } Outlines of Hist }	Practice Teach-
	(1 - 1	Connector	ing, German
	ist yr.	Geometry	(School Laws of)
	2d vr.	Zoölogy	Kansas, 4 w
English	The second		(English, 16 w)
	2d vr	Hist. of Education Outlines of Hist	Practice Teaching
The state of the	ou yr.	Outlines of Hist	Tractice Teaching

⁽a) Studies to be taken during first half of session.

PREPARATORY DEPARTMENT.

FIRST SESSION.

		9-10.	10–11.	
Classical	Jun Mid Sen	{ Eng. Compos'n, } { Secs. 1 and 2 } Drawing	{Latin, Sec. 2} Arithmetic} U. S. History Art of Expression	
Scientific	Jun Mid Sen	{Eng. Compos'n, } Secs. 1 and 2} Drawing Drawing	Arithmetic	
Modern Lit	Jun Mid Sen	{ Eng. Compos'n, } Secs. 1 and 2} Drawing Drawing	Arithmetic U. S. History Art of Expression	
	SECOND SESSION.			
Classical	Jun Mid Sen	Grammar Greek Geometry	Physical Geography Cæsar	
Scientific	Jun Mid Sen	Geometry	Physical Geography Natural Philosophy { German, ½ t} { U. S. Const., ½ t}	
Modern Lit	Jun Mid Sen	Geometry	Physical Geography Cæsar	

PREPARATORY DEPARTMENT.

FIRST SESSION.

11-12.

12-1.

Elocution, half-term	Arithmetic, Sec. 2. Latin, Sec. 1. Cæsar. Greek.
Elocution, half-term	Algebra, Sec. 2.
Elocution, half-term	Cæsar.

SECOND SESSION.

ElocutionAlgebra. Virgil	Latin. Greek.
Elocution	Latin. French.
Elocution	Latin. French.

Optional Course.

Any student having completed either of the preceding courses of study through the Sophomore year, may elect studies in accordance with the following scheme for Junior and Senior years.

1. The studies in Capitals are required.

2. Two optional studies must be selected, subject to the arranged schedule for recitations.

3. Three daily recitations are required.

4. All departures from either of the regular courses are sub-

ject to the approval of the Faculty in each case.

5. Written notice of desire to pursue a select study must be given by the student to the Secretary of the Faculty, at least two weeks prior to Commencement day, for studies to be pursued during the fall session, and on or before the Thursday preceding the holiday vacation, for studies to be pursued during the second session.

JUNIOR YEAR.

FIRST SESSION.

Logic, half-term. Calculus. Physiology, half-term. German. Latin. Physics.

Greek. Comparative Anatomy.

SECOND SESSION.

HISTORY. Mathematics.

Latin. History of England, half-term. Greek. Special Eng. History, half-term.

Astronomy. German, half-term.

Physics.

SENIOR YEAR.

FIRST SESSION.

MENTAL AND MORAL SCIENCE. Geology, half-term.

Latin. Mathematics.

Greek, half-term. Meteorology, half-term.

Special Greek, half-term. Constitutional Hist., half-term.

Mineralogy, half-term. Æsthetics, half-term.

SECOND SESSION.

POLITICAL ECONOMY. Greek.

Latin. English Literature.

Special Courses.

Any student, after completing the studies of the General Scientific Course to the Junior year, may elect a two-years course prescribed for CIVIL ENGINEERING, or for NATURAL HISTORY, or for CHEMISTRY.

The studies are selected with reference to special preparation for professional work.

A Preparatory Medical Course is also provided, upon the completion of which the student may enter a medical college one year in advance.

Excellent facilities for instruction in assaying are furnished in the chemical department.

Students who for any reason cannot take a full course of instruction, may pursue such studies as the Faculty may deem suited to their attainments, providing always that the studies selected by the student conform to the schedule of recitations.

Text and Reference Books

USED IN THE UNIVERSITY.

Botany-Gray's Lessons and Manual; Harrington's Plant Analysis.

Zoology—Packard's Zoölogy; Jordan's Manual of the Vertebrates; Packard's Guide to the Study of Insects; Coues's Key to North American Birds.

Geology—Dana's Text Book; Dana's Manual (unabridged); Le Conte's Elements of Geology.

Physiology-Dalton.

Meteorology-Loomis's Treatise.

Chemistry—Barker's College Chemistry; Craft's Qualitative Analysis; Cook's Chemical Philosophy (for special students); Principes de Chemie, Naquet (for special students); Appleton's Qualitative Analysis; Taylor on Poisons; Wormley on Poisons; Watt's Dictionary of Chemistry; Ure's Dictionary; Miller's Elements of Chemistry; Sutton's Volumetric Analysis.

Arithmetic - McVicar.

Algebra - Olney's, and Wells's University.

Geometry - Loomis's New Edition.

Trigonometry - Olney.

Analytical Geometry - Loomis.

Calculus - Loomis.

Mathematical Reference Books - Todhunter, Price, Salmon, and Chauvenet.

Logic-McCosh, Hamilton, Mill.

Mental Science—Wayland, Hamilton, Haven, and Krauth's Vocabulary.

Moral Science - Hopkins, Fairchild, Wayland.

Æsthetics - Bascom, Kames, DeForest's History of Art.

Political Economy—Thompson, Chapin's Wayland, Mill, and Roscher.

Greek—White's Greek Lessons; Goodwin's Xenophon's Anabasis; Goodwin's Greek Grammar; Smith's History of Greece (student's edition). Students are allowed the use of any standard edition of the various Greek authors.

Latin—Harkness's Grammar and Reader; Jones's Prose Composition. Any standard edition of the various Latin authors is allowed.

French and German—Otto's French Grammar; Fallet's Prinses de l'Art; Racines's Athalie; Pylodet's Literature Française Classique; Pylodet's Literature Contemporaine; Otto's German Grammar; Whitney's German Grammar; Kohlrausch's German History; Schiller, Lessing, Goethe, Klemm's German Literature. For Reference—French and German Dictionaries, Histories of Literature, and various French and German works found in the University Library.

English—Gilmore's Art of Expression; Angus's English Language; Shaw's English Literature; Bascom's Philosophy of English Literature; Hill's Rhetoric; Green's English Grammar; Graham's Synonyms; Parker's Composition; Smith's Hand Book of Etymology; Morris's Historical English Grammar, and

Morris's Chaucer. For Reference—Taine, Oraik, Hudson's and Rolfe's editions of Shakespeare.

Physics—Snell's Olmstead; Atkinson's Ganot.

Natural Philosophy - Avery.

History—Ancient, Mediæval, and Modern. Wilson's Outlines. U. S. History—Ridpath. English History—Green. For Reference—Froude, Macaulay, Motley, Prescott, and Bryant. Constitutional History—Von Holst, Federalist, Andrew's Manual, and Young's Government Class Book.

Engineering—White's Free Hand and Mahan's Industrial Drawing; Warren's Descriptive Geometry; Gillespie's Practical Surveying; Gillespie's Roads and Railroads; Henck's Field Book; Mahan's Civil Engineering; Trautwine's Pocket Book; Smith's Mechanics; Bartlett; Rankine; Weisbach.

Astronomy—Loomis's Treatise on Astronomy; Loomis's Practical Astronomy.

Geography-Guyot's Physical; Guyot's New Intermediate.

Reading - Monroe.

Assaying—Rickett; Mitchell's Manual; Plattner's Blowpipe Analysis.

Mineralogy - Dana's Manual of Mineralogy and Lithology.

Medical Chemistry—Vaughan's Physiology and Pathology; Tanner, Wormley and Taylor on Poisons.

Materia Medica - Bartholow; U. S. Dispensatory.

NORMAL SPECIAL STUDIES.

History - England, Thalheimer; Freeman's Historical Course, and Taylor's History of Germany.

Science of Government-Alden.

History of Education - Barnard, and Quick's Essays.

Philosophy of Education - Tate.

Reference Books—Page's Theory and Practice; Barnard's Complete Works; Calkin's and Sheldon's Object Lessons; Krusis' Pestallozzi; Kreige's Fræbel; Potter, Emerson, Wickersham, Ogden, and others, on School Organization and Management.

Normal Department.

This department was opened by legislative requirement, April 3, 1876. The demand for trained teachers exceeds the supply. Many students pursuing the higher academic studies expect to teach. Special professional instruction and practice, under the direction of experienced professors, furnish the best possible preparation for the school room. All the advantages of apparatus, cabinets, library, public lectures, and examples of the best methods of instruction, are here at the command of the learner. To these advantages will be added a system of practice teaching and class criticism, designed not only to give experience, but to test the ability of the young teacher. Especial attention will also be given to the requirements for instructors in preparatory high schools and teachers' institutes. The design of the Regents in fully organizing this department, is to make the University of the widest possible service to the other schools of the State. Those desiring to secure competent teachers are invited to correspond with the Faculty.

HIGHER NORMAL COURSES.

For admission to these the applicant must be prepared in Reading, Spelling, English Grammar, Penmanship, Arithmetic, Algebra through Quadratic Equations, Descriptive and Physical Geography, Elements of Natural Philosophy, History and Constitution of the United States, and Industrial Drawing.

These studies may be pursued in such classes as are regularly organized in the Preparatory Department, or in High Schools accredited as preparatory schools of the University, or candidates may be admitted to either of these higher courses on passing a satisfactory examination in the subjects above named. Diplomas are granted to those who properly complete either of these courses of study, and by arrangement with the State Board of Education, certificates will be given to these graduates.

The plan providing for these courses of study also provides:

1st. That academic studies of the above courses shall be pursued in regular University classes.

2d. That classes in Common English branches of study from the Preparatory Department sections, shall be taught by students detailed from the Normal classes, under the supervision of the Principal of the Department.

3d. That those detailed for this class work shall not have more than one division of a class in charge, for the time allotted, nor for less than half a session. Efficiency in this class teaching shall be estimated in determining the standing of the Normal students.

4th. The students pursuing these courses shall be required to pass examinations at stated times, on a prescribed course of Reading and Lectures on the History and Science of Teaching, and on the School Laws of Kansas.

5th. That students completing the entire course according to this plan, shall be entitled to Diplomas setting forth their attainments as herein described.

Law Department.

The design of this department is to furnish a complete course of legal instruction for persons intending to practice at the bar in any State of the Union. The plan of instruction includes the principles of Constitutional Law, Mercantile Law, the Law of Contracts, Corporations, Insurance, Torts, Domestic Relations, Real-property Law, Equity Jurisprudence, Evidence, Pleading and Practice, and Criminal Jurisprudence.

Experience proves that the best method of teaching the principles of law is by the approved modes of teaching the fundamental principles of the sciences. Instruction is given by daily recitations upon assigned portions of text books, the drill of the recitation room being supplemented by lectures, oral and written.

Moot Courts are held every week during the term by one of the Faculty, at each of which a cause previously assigned is taken up for practice in the conduct of causes, and the discussion of legal principles. A Blackstone Club has been formed by the students, in which dissertations are read and cases argued.

The complete course includes two annual terms, each of

which occupies seven months (excluding two weeks' recess at Christmas), the term beginning on the second Tuesday of October of each year.

EXAMINATIONS.

The members of each class will be examined during the first week in June, upon the studies of the term. The examination of the Junior Class will be conducted by the Faculty; that of the Senior Class upon written questions prepared by a committee of examination appointed for that year. Members of the Junior Class passing the examination satisfactorily, will be entitled to enter the Senior Class at the opening of the next term. Those desiring admission to the Senior Class may make application at the examination in October. The degree of LL.B. will be conferred upon such members of the Senior Class as shall be recommended by the examining committee and the Faculty, and approved by the Board of Regents.

ADMISSION.

All persons purposing to enter upon the study of law are earnestly recommended to first take a course of liberal studies. All graduates of literary colleges are admitted without examination; all others must satisfy the Law Faculty of the University that they possess the education and other qualifications which will enable them to pursue with profit the studies of the Law Department. Persons who have partly completed a course privately, can be admitted to advanced standing in the Junior Class, on satisfying the Faculty as to their qualifications. one will be admitted to the Senior Class as a regular member except upon successfully passing an examination upon the work prescribed for the Junior Class. Applicants for the degree of LL.B. must, in every case, have been admitted as regular members of the Senior Class at the beginning of the Senior term, and must also have attended the Senior recitations during the entire term.

TEXT BOOKS AND LECTURES.

The following text books will be used by the Junior Class during 1881-2: Kent's Commentaries; Schouler on Domestic Relations; Bishop on Contracts; Story on Agency; Story on

Bailments; Edwards on Bills and Notes; Parsons on Partner-

ship; Story on Sales.

The Senior Class, during 1881-82, will use the following text books: Bigelow on Torts; Angell and Ames on Corporations; Washburn on Real Property; Greenleaf on Evidence; Stephen or Gould on Pleading; Story's Equity Pleading; Story's Equity Jurisprudence. Other books on the various topics taken up will be recommended for parallel reading.

Courses of Lectures, independently of text books, may be expected during the term, on various topics of Municipal Law, on Medical Jurisprudence, on Criminal Law, on the Law of Torts, on Political Science, and on International Law, as supplementary to the general course of instruction, by Hon. Albert P. Horton, Chief Justice of the Supreme Court of Kansas, by Mon. D. M. Valentine, and by Hon. D. J. Brewer, Associate Justices of the Supreme Court of Kansas, and others.

A matriculation fee of \$25 is to be paid to the University Treasurer, upon admission, each year.

Music.

The best facilities available are provided for students who desire to become proficient in either vocal music or in the use of the piano and organ. The design is to establish a University Conservatory of Music. Theory and practice will be united in the instruction given, and full courses of study in Harmony and in History will be published with the next catalogue.

To encourage this department, use of pianos and organs is made free, and a class will be taught in the elements of Vocal Music, by the professor in charge, also without extra fee.

EXTRA FEES.

Piano and organ lessons, \$12 for series of 24 lessons. Higher classes in Vocal Training and single lessons in Voice Culture, as arranged with the professor in charge.

Summary of Classification.

FOR 1881.

Departments.	Males.	Females	Total.
COLLEGIATE DEPARTMENT.			
Resident Graduate	1		1
Senior Class	11	9	20
Junior Class	11	4	15
Sophomore Class	22	14	36
Freshman Class	40	29	69
Specialists	13	2	15
Aggregate Collegiate Department	98	58	156
HIGHER NORMAL DEPARTMENT.			
Class of Third Year	2	6	8
Class of Second Year	5	8	13
Class of First Year	9	8	17
Aggregate Normal Department	16	22	38
PREPARATORY DEPARTMENT.			
Senior Class	35	20	
Middle Class	47	39	55
Junior Class	84	52	86 13 6
Aggregate Preparatory Departm't	166	111	277
LAW DEPARTMENT.			
Senior Class	7		7
Junior Class	8	************	7 8
		*************	0
Aggregate Law Department	15		15
MUSICAL DEPARTMENT.	1-112-13		
Class of Fourth Voor			ST. FFY
llogg of Illaind Van		1	1
Class of Second Year		$\frac{1}{5}$	1
Class of First Year	2	23	5 25
Aggregate Musical Department	2	30	32
Aggregate all Departments	297	221	510
Names counted twice	21	31	518 52
Total attendance	276	190	466

Kansas Counties Represented

IN CATALOGUE OF 1881.

Allen	9	Linn	3
Anderson	2	Lyon	3
Atchison	3	Leavenworth	17
Barton	3	McPherson	2
Bourbon	5	Marshall	4
Brown	4	Marion	2
Butler	2	Miami	5
Cherokee	3	Mitchell	5
Chase	5	Montgomery	3
Cloud	2	Morris	2
Coffey	2	Neosho	4
Cowley	8	Osage	8
Crawford	4	Osborne	4
Davis	3	Ottawa	2
Dickinson	8	Pawnee	1
Doniphan	3	Reno	1
Douglas*	182	Republic	1
Ellsworth	1	Rush	2
Elk	3	Russell	5
Franklin	12	Saline	3
Gove		Sedgwick	2
Harvey		Shawnee	6
Jackson	The same of the same	Sumner	2
Jefferson		Wilson	2
Johnson		Woodson	1
Kingman		Wyandotte	2
Labette			

Number of counties, 53; number of Kansas students, 418.

*Many students appear in this catalogue as residents of Lawrence, whose parents temporarily reside in this city for the purpose of educating their sons and daughters.

STATES REPRESENTED.

Kansas, 418; Missouri, 12; Illinois, 7; Indiana, 4; Pennsylvania, 4; Texas, 4; Massachusetts, 2; Ohio, 2; Indian Territory, 3; Iowa, 2; Colorado, 3; New York, 1; Canada, 1; Maryland, 1; Maine, 1; Arizona, 1.

Number of States, 16; number of students from other States than Kansas, 48.

Examinations for Admission.

1882.

PREPARATORY AND NORMAL DEPARTMENTS,

Wednesday, September 6th.

COLLEGIATE DEPARTMENT.

Thursday, September 7th.

LAW DEPARTMENT,

Tuesday, October 3d.

A general assemblage of students will take place in University Hall, Friday, September 8th, at 9 A. M., followed by meeting of classes in the lecture rooms of the different departments. Applicants for admission will find an especial advantage in being present to pass examinations at the designated times. Those applying at subsequent dates must pass the preliminary examinations by special arrangement with the Professors, and the result of all examinations for admission must be reported and recorded before the applicant is regularly classified.

Miscellaneous Information.

STUDIES AND RECITATIONS.

1. Courses of study and times for recitation are arranged for three daily exercises of one hour each, for all regularly organized classes. Professional and special studies are subject to special provisions.

2. Students are not expected to pursue more nor less than three studies for daily recitation, and any change from this number, any change from one division of a class to another, or any exchange of one study for another, must be approved by the Faculty. (See schedule for recitation hours.)

3. Studies are arranged to accommodate the tastes and purposes of students. Each course is complete in itself, and no one course is designed to be easier or shorter than another. We urge students who select studies for a short time to adopt some one of these courses and pursue it so far as practicable. A special course should not be adopted until the elementary studies are mastered.

4. All students, whatever the course of study, recite to experienced instructors, and when the subjects studied are common to two or more courses, the students recite in the same classes. Students irregular in course must conform in time for recitation with the daily scheme. When two desired recitations occur at the same hour, preference should be given to the study lowest in grade.

EXAMINATIONS.

Written examinations of the classes are held at the close of each session, on the studies of that session. These examinations are important elements in determining the advancement of students, and absences from examinations, for any cause, are entered upon the records.

GENERAL LITERARY EXERCISES.

Rhetorical exercises, consisting of orations, declamations, select readings, etc., are required of all students attending the University.

Special instruction is given to the Junior and Senior Preparatory Classes in Reading and in the Elements of Elocution; and to the Freshman and Sophomore Classes, in advanced elocutionary work. Each member of the Freshman, Sophomore and Junior Classes appears at least twice each year at the morning exercises in the Hall: the Freshman and Sophomore with declamations, and the Junior with original essays and orations. The members of the Senior Class either appear with these in their order, or have a day set apart for their work—original orations.

ABSENCES AND EXCUSES.

Regular attendance at recitation and other general exercises required by the Faculty is expected. Absences are always detrimental to scholarship and to the formation of correct habits. No excuses for absences are regarded valid except illness or other unavoidable prevention, and unexcused absences from recitation are entered as failures.

RECORD OF STANDING.

Each instructor keeps a record of class standing in Collegiate classes, based upon regularity of attendance and character of recitations. At the close of each session a summary is made, and the average of daily recitations and stated examinations is reported to the clerk for entry upon general record. Any student, or the parent or guardian of any student, will be furnished with a copy of the entries relating to that student, on application to the clerk.

DEGREES CONFERRED.

- 1. Students who complete the Classical or the Modern Literature course, and maintain a good standing for correct deportment, will receive the degree of Bachelor of Arts, upon graduation.
- 2. Those who in like manner complete either of the Scientific Courses, will receive the degree of Bachelor of Science.
- 3. Those who complete the Law Course will receive the degree of Bachelor of Laws.

POST-GRADUATE DEGREES.

The degrees of Master of Arts and Master of Science are conferred respectively upon Bachelors of Arts and Bachelors of Science, according to the following conditions:

1. That the candidate shall be a graduate of this or some other College or University empowered to confer degrees.

2. That he shall have been engaged for at least three years after graduating, in Professional, Literary or Scientific studies.

3. That he present a satisfactory thesis to the Faculty on some Professional, Literary or Scientific subject.

DEVOTIONAL EXERCISES.

Devotional Exercises are held in University Hall every morning.

UNIVERSITY LECTURES.

A course of evening lectures is provided for each year, to be delivered in University Hall by such persons as a committee of the Faculty may invite. These lectures are popular discussions of varied scientific and literary topics of general interest, and are especially designed for the benefit of students.

Courses of lectures are also given by the members of the Faculty upon topics of general interest connected with their respective departments.

DISCIPLINE.

Through this University the State proffers its patronage to all students prepared to properly use the advantages here offered. The direct object is to promote the welfare of the State by securing an intelligent, industrious and moral citizenship. The State cannot countenance habits of idleness, dissipation, or any acts of insubordination. Hence the Faculty are fully authorized to refuse admission to those of known vicious habits, and to remove by suspension those who do not prove worthy members of the institution. Except in cases of flagrant violation of the rules, the parents or guardians of delinquent students will be requested to withdraw their wards and save them from further disgrace.

Each class is placed under the care of a member of the Faculty known as the class officer, who keeps a record of the absences and failures in recitations, submitting the same to the parents or guardians at least once in five weeks.

The fewest possible rules are promulgated, and the good conduct of students is deemed sufficiently guarded under the general statement: "Unexceptional deportment and strict observance of University regulations are required."

PRIZES.

- 1. Three prizes are offered by the Faculty for first, second and third best declamations, to be rendered from approved didactic prose, the contest open to ten regular collegiate students of highest grade in chapel rhetoricals.
- 2. Two prizes are offered by the Professor in Natural History for *first* and *second* best collections of entomological specimens, by members of the Sophomore class.
- 3. One prize is offered by J. S. Crew for best essay written on some subject named by the Faculty, contest open to all students except members of Senior class.
- 4. One prize is offered by A. F. Bates for best oration, contest open to all students.
- 5. One prize of \$25 is offered by G. Grovenor for best scholarship in Freshman class.
- 6. One prize of \$10 is offered by Geo. Innes for second best scholarship in Freshman class.

The gentlemen above named are all citizens of Lawrence.

BUILDINGS.

All of the University buildings are constructed of native limestone, quarried in the immediate vicinity. North College is fifty feet square, three stories high, contains eleven school rooms, and stands near the center of a lot of ten acres within the city limits. The New Building is 246 feet in extreme length, 98 feet wide in the center, wings 62 feet each, main audience room 94 feet long, 56 feet wide. There are 54 rooms in this building, all designed for the work of instruction. In the north dome, over which the vane and anemometer conform their direction and velocity to the winds, may be found a complete outfit of apparatus in constant use for taking weather observations. In the Natural History rooms of the south wing are the cabinets of Geology and Mineralogy, and more than 70,000 specimens of beasts, birds, insects and plants, largely representing the animal and vegetable life of the great Mississippi Valley. The basement of the south wing is devoted to Chemistry, and the rooms for Physics and for the Library occupy the first floor in the same wing. The north wing is given to Languages and Mathematics. The center is occupied by Regents' rooms, office, cloak rooms and the general audience room.

ENDOWMENT.

During the past thirteen years, annual appropriations have been made by the Legislature for instruction and various other expenses of the University. Of the 46,000 acres of land with which the United States had endowed the institution, 29,597 acres had been sold, prior to April 1, 1880. At the session of the Legislature in 1879, the prices previously fixed upon these lands were reduced 25 per cent., the rate of interest on deferred payments changed from 10 to 7 per cent., and the time extended from 10 to 20 years, conditioned on payment of one-tenth down and the remainder in nineteen equal installments with annual interest. These lands are located in sections now highly favored with railroad facilities, near permanent and flourishing towns, and where the climate has been tested for twenty years and found healthful. These circumstances, and the further fact that these lands are embraced in some of the best wheat growing and grazing districts of the State, now render them among the most popular lands in the market. Seven thousand two hundred acres were sold within six weeks after the new conditions were first announced. The entire principal from the sale of these lands is paid into the State treasury and invested by the State Board, interest alone being available for the current expenses of the institution.

LIBRARY.

The University Library contains 6,500 volumes. An appropriation of \$1,000 for each of the years, 1882-83, will be expended in the purchase of books, and will add to the growing usefulness and efficiency of the Library. The Library room is finished and furnished with desks, tables, and other conveniences, and a large number of books are available for daily use, from 9 A.M. to 1 P. M., and 3 to 5 P. M., by all officers and students of the University.

The Library has been selected with great care, and embraces some of the best works in the departments of Language and Literature, Philosophy, History and Biography, (great attention being paid to both History and Biography,) Mathematics, Astronomy, Chemistry, Physics, Natural History, Art, Poetry, Metaphysics, Political Economy, Sociology, etc. Under the direction of the several professors, students are able to make the most judicious selections for reading, and with the least ex-

penditure of time. The Regents and Faculty desire, through this collection of books, to introduce the students to a pure literature, free from frivolous trash, and replete with the best information upon all topics under investigation. The experience of the past year proves that the students are becoming better and more intelligent readers, and the attainments in scholarship consequently more advanced. They are learning that a University Library is the door to all science, literature and art.

APPARATUS OF INSTRUCTION.

HISTORY AND POLITICAL SCIENCE.—This department is supplied with a full set of wall charts, and with framed portraits and photographs of important historical scenes.

ENGLISH LITERATURE AND RHETORIC, AND BELLES LETTRES.—The work herein is materially aided by charts presenting the origin and growth of language, as well as by a large chart of leading English authors, chronologically arranged by centuries.

NORMAL DEPARTMENT.—This department is supplied with a full set of wall charts—six framed wall charts representing, in relief, each continent; a 24-inch globe, also relief; and a Government map of the United States, 8 by 12 feet. This presentation of the physical aspects of the earth's surface distinctly and continually to the eye has had a marked effect in stimulating research, and in giving distinctness and clearness to early impressions.

ANCIENT LANGUAGES.—The Classical Department is now supplied with wall maps, pictures in frame, representing ruins and restorations of noted places and structures of ancient times, and a choice selection of statuary representing some of the most remarkable productions of classic art.

CHEMISTRY AND PHYSICS are taught with all the advantages of well-arranged lecture and work rooms; improved laboratory tables, sample cases, assorted chemicals for use in practical tests, experiments and analyses by the students; a composition furnace for organic analyses, and an assay furnace with all necessary appliances. The apparatus in Electricity, Magnetism, Electro-Magnetism, Mechanics, Hydrostatics, Optics, etc., is well selected, and constantly used in the class room.

MATERIA MEDICA.—A full assortment of herbs and crude and vegetable drugs, and a magnificent collection —300 specimens — of simple mineral and organic substances and pharmaceutical

preparations, furnish abundant material for the illustration of this subject and for the purposes of experimental study.

THE DEPARTMENT OF ASTRONOMY is provided with Green's Standard Barometer and Thermometer, an Astronomical Clock, and five-feet Astronomical Transit, for the use of students in observatory practice; and with a Gambey's Sextant, an Artificial Horizon, and a Negus Box Chronometer, for use in field practice, and a fine 22-inch Globe. The latitude and longitude of the University Observatory have been carefully determined, and daily observations on the sun's transit enable the Director to furnish accurate solar time to all places of known longitude having telegraphic communication with Lawrence.

THE DEPARTMENT OF ENGINEERING possesses an Engineer's Transit, an Engineer's Y Level, and all requisite accompaniments for the most approved kind of office and field work in engineering.

CABINET COLLECTIONS.

Important aid in the study of Natural History is afforded by the cabinet collections, which contain upwards of 70,000 specimens, illustrating chiefly the departments of Botany, Zoölogy, and Geology. These collections have been greatly increased during the past three years by the voluntary contributions of the exploring parties to western Kansas, Colorado and New Mexico, in charge of the Professor of Natural History. By means of the material thus accumulated, a system of exchanges has been established with leading institutions and naturalists in all parts of the United States, so that the cabinets contain a very satisfactory representation of the plants, insects, birds, minerals and fossils, not only of the State of Kansas, but also of the whole of North America.

The Herbarium includes upwards of 3,000 species of plants, permanently protected from destruction by vermin, and systematically arranged for convenient examination by students and visitors. The method of arrangement is substantially the same as that adopted by Professor Asa Gray, at Harvard University.

The Entomological collection contains more than 8,000 species, representing all the different orders of insects. The instruction in this department has special reference to the discrimination of the beneficial from the injurious species, and the extensive collections are of practical value to the agricultural and horti-

cultural interests of the State, as well as to the students of the University, in the determination of the names and the habits of our insect friends and foes.

The ornithological cabinets comprise upwards of 1,000 specimens of birds, belonging to 300 different species. The specimens are carefully protected in moth-proof cases. A portion of them are unmounted skins, furnishing ample material for laboratory study when fresh specimens cannot readily be obtained.

An alcoholic collection of marine Radiates, Mollusks and Articulates from the Atlantic coast, affords to the Zoölogical student the means of investigating the anatomical structure of the leading forms in all the great "types" of the animal kingdom.

In the Conchological cabinet are included nearly 1,000 species of shells from all parts of the world. This cabinet has been recently enlarged by the receipt of several hundred species from the "John Milton Earle collection," at Worcester, Mass., obtained in exchange for Kansas specimens.

The Mineralogical and Geological cabinets contain upwards of 5,000 specimens, chiefly from Kansas and Colorado. A typical collection of the characteristic rocks and fossils of all the geological formations is constantly accessible to students in this department. Many valuable additions to these cabinets have been received from the Smithsonian Institution.

LITERARY SOCIETIES.

Two literary societies, the Oread and Orophilian, are regularly organized and maintained by the students. The sessions are held every Friday afternoon, in halls permanently assigned to them, and which they have elegantly furnished. The work of the present year has been very satisfactory, and the societies are in a flourishing condition. The K. S. U. Musical Association is regularly organized, and proffers its advantages to all lovers of real music. A society of Normal students is in active and successful operation.

PAPER.

The Kansas Review, a monthly magazine with paying subscription list, is edited and published by an association of students, with the hearty approval and support of the Faculty.

GYMNASIUM.

The Regents have placed a suitable room and apparatus at the disposal of those students who desire to devote an hour each day to physical training.

EXPENSES.

A contingent fee of five dollars per session, and a graduating fee of five dollars, are the only charges made upon Academic and Normal students.

The Treasurer's receipt for contingent fee must be presented by each candidate for examination or enrollment. The fee will be returned to students not admitted on examinations. The Treasurer's receipt for graduation fee is due on delivery of diploma. The fees for Law and Music are as noted with departments, or in preceding notes.

Orphans of soldiers and of citizens killed in Quantrell's raid, are exempt from the payment of the contingent fee.

SPECIAL NOTES.

- 1. Incidentals.—Economy is the first lesson for the student, both in time and importance. Too much oftener than too little "pocket money" proves the ruin of youth away from home.
- 2. Books—Every student should have his own principal text-books, and keep them as his personal friends. An English dictionary, a slate, paper, pencils, pens and ink, and a blank book in which to take notes, are essential. Students should have their old books with them.
- 3. Board.—Every student should seek plain, nutritious food, well prepared, served at regular intervals, and never taken in haste nor in the presence of books. Price of board depends upon rates of rent, help employed, the cost of provisions and demands of the boarder.

Board in families, including rooms, lights and fuel, is furnished at an average cost of \$4 per week. Some persons who furnish plain rooms and good plain food, receive boarders at \$3.50 or even \$3 per week. Students who require extra accommodations pay higher rates.

Board in clubs varies according to the economy practiced, from \$2 to \$3 per week.

4. Time.—Every student should have full command of all the time needed to pursue the studies taken in hand. Home work, petty errands, social entertainments, should never interfere

with time allotted to study. The bane of student life at home is this obtrusion upon hours which ought to be given to preparation of lessons. Habits of irregularity are formed at home and carried away to school. Hence come the days wasted for want of system, and at least half the failures of college life. Students enter the classes to the best advantage at the beginning of a session, in September or January. They may enter at any other time, subject to special examination, and the payment of one-half contingent fee for less than ten weeks of the session.

SESSIONS AND VACATIONS.

The University year is divided into two sessions of twenty weeks each. The first session begins on the first Wednesday following the 4th of September. For particulars see Calendar.

CALENDAR FOR 1882.

January 3—Christmas Recess ends	Tuesday.
January 19—Semi-annual Examinations begin	Thursday.
January 24 — Semi-Annual Examinations end	Tuesday.
January 24—First session ends	Tuesday.
January 25—Second session begins	Wednesday.
April 27—Senior Examinations begin	Thursday.
May 29 — Annual Examinations begin	Monday.
June 1—Annual Examinations end	Thursday.
June 4—Baccalaureate Address	Sunday.
June 6—Class Day	Tuesday.
June 7—Commencement Day	Wednesday.

SUMMER VACATION OF THIRTEEN WEEKS.

December 20—Christmas Recess begins......Wednesday.

PREPARATORY HIGH SCHOOLS.

By authority of the Board of Regents, any High School which shall adopt the following course of study or its equivalent, will be recognized as provided in conditions stated:

THREE YEARS' HIGH SCHOOL COURSE OF STUDY, PREPARATORY TO A COLLEGIATE COURSE.

FIRST YEAR: Arithmetic—completed; Geography—General and Physical, Map Drawing; English Grammar—through Pros-

ody; Latin—Harkness's Grammar and Reader; Reading, Spelling, Composition.

SECOND YEAR: Elementary Algebra; History and Constitution of the United States; Latin—Cæsar's Commentaries, Books I, II, III and IV, Jones's Latin Prose Composition; Greek—Harkness's First Book; Industrial Drawing, Composition and Elocution.

THIRD YEAR: Higher Algebra—through Quadratic Equations; Plane Geometry—Five Books, Elements of Rhetoric; Latin—Virgil's Æneid, Three Books; Greek—Xenophon's Anabasis, Three Books; and Smith's History of Greece, Three Books.

Those preparing for a higher course in Natural Science may substitute Natural Philosophy and French or German for the Greek of the second and third years. Study of text books equivalent to those used in the University preparatory classes, is not a departure from the course.

It will be observed that this course extends over only three years. A few schools may be able to add studies profitably for another year, while others may find it necessary to extend the time and divide the work, on account of short school years in their High Schools. The Regents of the University of Kansas present the following proposition, viz.:

Any High School adopting the proposed course of study will be recognized by publishing the Principal's name, and the location of the school, in the University catalogue; and applicants for admission to the Freshman class of the University from such schools will be received on the following conditions:

- 1. A final written examination in their respective schools on the general course of study, the questions for such examination having been prepared by the Principal of the school, and approved by the Faculty of the University.
- 2. A certificate officially signed by the Principal of the school and Board of Education, stating that the bearer has completed the prescribed course of study, and passed in a credible manner the requisite examination.

Authorized April 10, 1876.

This plan has been adopted and officially reported by the following High Schools:

Atchison, F. W. BARTLETT, Principal of High School; R. C. MEAD, Superintendent of Schools.

Beloit, BION S. HUTCHINS, B. S., Principal, and Superintendent of Schools.

Emporia, P. J. CARMICHAEL, A. M., Principal, and Superintendent of Schools.

Junction City, LEWIS WEBB, A. M., Principal, and Superintendent of Schools.

Lawrence, J. W. COOPER, Principal of High School; E. STAN-LEY, Superintendent of Schools.

Leavenworth, CHARLES R. KINGSLEY, A. M., Principal; F. A. FITZPATRICK, Superintendent of Schools.

Peabody, L. M. KNOWLES, A. M., Principal of High School.

Topeka, Wm. CREIGHTON, Principal; D. C. TILLOTSON, Superintendent of Schools.

Washington, J. W. Haines, Principal, and Superintendent of Schools.

Several other prominent schools of the State contemplate an early adoption of this plan.

Note.—That the University may best serve the public interest, the Faculty earnestly desires all who wish to pursue special or general courses of reading and study, and for any reason are unable to attend the University, to correspond with the instructors in charge of such studies. Suggestions as to authors, arrangement of topics, prices of books, etc., will be gladly given. It is hoped in this way to be of service, especially to teachers and other citizens who are seeking the means of self-culture by private study. Personal supervision, by correspondence, will be cheerfully given over the work of any reading clubs or associations for study, and an occasional visit from some member of the Faculty.

Beloit, BION S. HUTCHINS, B. S., Principal, and Superintendent of Schools.

Emporia, P. J. CARMICHAEL, A. M., Principal, and Superintendent of Schools.

Junction City, LEWIS WEBB, A. M., Principal, and Superintendent of Schools.

Lawrence, J. W. Cooper, Principal of High School; E. STAN-LEY, Superintendent of Schools.

Leavenworth, CHARLES R. KINGSLEY, A. M., Principal; F. A. FITZPATRICK, Superintendent of Schools.

Peabody, L. M. KNOWLES, A. M., Principal of High School.

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