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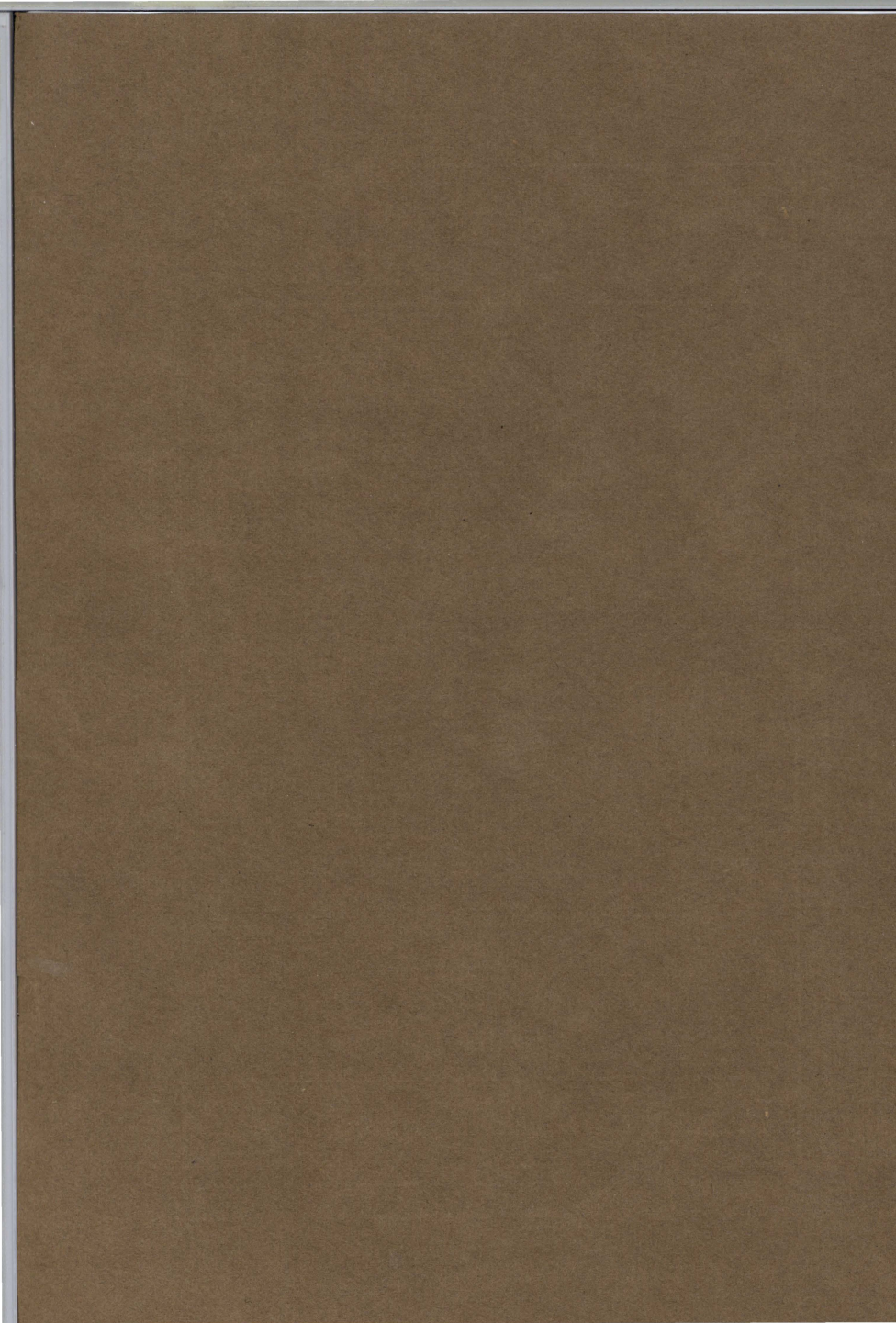
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The Normal School Bulletin
April First, Nineteen Hundred and Fifteen

ANNOUNCEMENT OF
The Eastern Illinois
State Normal School

Summer Session 1915

CHARLESTON, ILLINOIS



NORMAL SCHOOL BULLETIN

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CHARLESTON, ILLINOIS, APRIL 1, 1915. No. 48

The School Calendar

1915

SUMMER TERM

June 21, Monday, 8:00 to 12:00 A. M. . . . Registration
1:30 to 5:00 P. M.

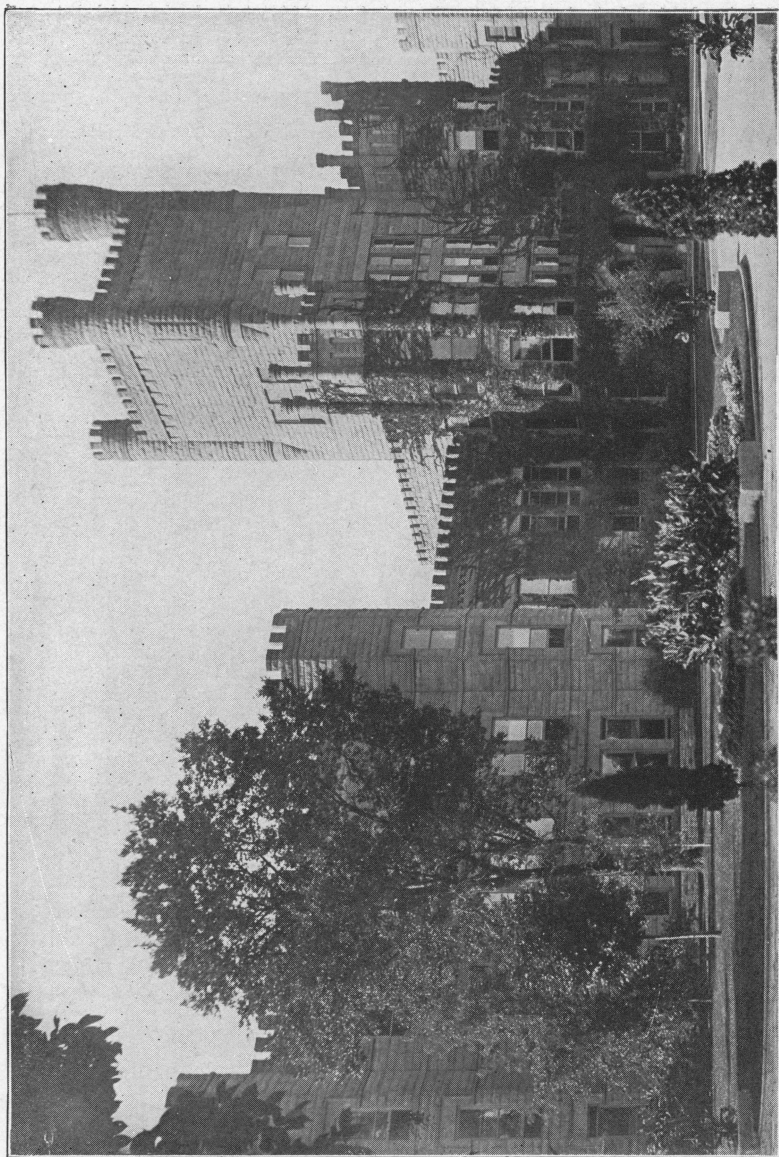
June 22, Tuesday, 7:30 A. M. . . . Class Work begins

July 30, Friday, 12:00 Noon . . . Summer Term ends

First Term, 1915-1916

September 14, Tuesday, 8:00 A. M. . . . Registration

September 15, Wednesday, 7:30 A. M. . . Class Work begins



MAIN BUILDING

THE FACULTY

- LIVINGSTON C. LORD, A.M., LL.D., President
Psychology and School Management
E. H. TAYLOR, Ph.D., *Mathematics*
FRIEDERICH KOCH, *Music*
ELLEN A. FORD, A.M., *German and Algebra*
THOMAS L. HANKINSON, B.S., *Biological Sciences*
ANNIE L. WELLER, B.S., *Geography*
ALBERT B. CROWE, A.M., *Physics and Chemistry*
FLORENCE SKEFFINGTON, A.B., *English*
SIMEON E. THOMAS, A.M., *History*
EDGAR N. TRANSEAU, Ph.D., *Biological Sciences*
EDITH E. RAGAN, *English*
CHARLES P. LANTZ, B.S., *Physiology*
OLIVE BUCKS, A.B., *History*
RAYMOND L. MODESITT, A.M., *Mathematics*
HOWARD DeF. WIDGER, A.B., *Reading*
LOLA MORTON, B.S., *Home Economics*
LENA M. NILES, A.B., *Physical Education for Women*
FISKE ALLEN, A.M., *Supervisor of Elementary School*
DEWITT CLINTON SPRAGUE, Ph.B., *English*
RUTH CARMAN, Ph.B., *English*
ADEN G. PIPPIT, *Manual Training*
PHILIP DOUGHERTY, A.M., *History*
RUTH ELEANOR McKIBBEN, *English*
BEULAH N. ELLIS, *English*
KATHARINE FISK, *Drawing*
M. MAUDE SMITH, *Drawing*
FLORA E. BALCH, B.S., *Mathematics*
MYRTLE A. DAVIS, B.S., *Mathematics*
CHARLES F. HILL, A.B., *Mathematics*
WARREN L. HAGAN, *Physics and Chemistry*
CARL COLVIN, *Agriculture*
HERBERT KIMMEL, *Psychology*
ALYDA C. HANSON, *Geography*
MARGARET M. BELYEA, *Biological Sciences*
ANNA H. MORSE, *Supervisor of Rural School Work*
BERTHA M. NEWELL, *Critic Teacher in Grammar School*
MELLIE E. BISHOP, B.L., *Critic Teacher in Primary School*
FLORENCE E. GARDINER, *Critic Teacher in Primary School*
NELLE HALEY, *Critic Teacher in Primary School*
GRACE GEDDES, *Critic Teacher in Primary School*
MARY J. BOOTH, B.L.S., *Librarian*
OPHA B. PLETCHER, B.L.S., *Assistant Librarian*
GRACE EWALT, *Registrar*
MARY E. HAWKINS, *Head of Pemberton Hall*
WALTER NEHRLING, *Gardener*

SUMMER TERM PROGRAMME, 1915

7:30-8:20	8:20-9:10	9:10-9:40	9:40-10:30	10:30-11:20	11:20-12:00	2:00-2:50	2:50-3:40	3:40-4:30
		Morning Exercises	The Elementary School and the Rural School are in Session from 10 to 12					
	Theory and Practice of Teaching (2) R. 8 Elementary School			Rural School Observation (3) R. 6	General Observation (4) R. 16		Special Methods (5) Tuesday and Thursday R. 1 Elementary School	Rural School Methods (1) Tues., Wed., Thurs., Fri. R. 6
Psychology (1) R. 11	Psychology (2) R. 11			Psychology (3) R. 11			Special Methods (6) Wednesday and Friday R. 2 Elementary School	Special Methods (7) Tuesday and Thursday R. 3 Elementary School
I. Government (3) R. 30	History of Illinois (4) R. 16			European History (8) R. 30		Penmanship R. 7 Elementary School	Special Methods (9) Tuesday and Thursday R. 7 Elementary School	Special Methods (8) Wednesday and Friday R. 4 Elementary School
History (6) R. 9			II. Government (3) R. 9			History (6) R. 9		
			History (1) R. 18	II. History (2) R. 18				I. History (2) R. 18
Prose Fiction (9) R. 27	Shakespeare (6) R. 27		II. Grammar (10) R. 27					

I. Grammar (1)	English (12)			Grammar (11)		I. Grammar (1)	I. Grammar (2)	
R. 40	R. 40			R. 40		R. 40	R. 40	
II. Grammar (2)	II. Grammar (1)					II. Grammar (2)	II. Grammar (1)	
R. 33	R. 33					R. 33	R. 33	
	I. Grammar (2)		III. Gram- mar (1)				I. Grammar (2)	III. Gram- mar (1)
	R. 10		R. 10				R. 10	R. 10
I. Grammar (10)	IV. Grammar (1)		Composition (3)				IV. Grammar (1)	
R. 18	R. 18		R. 18				R. 18	
Algebra (3)	German (1)		German (4)	German (5)		Algebra (3)		
R. 38	R. 38		R. 38	R. 38		R. 38		
Reading (1)			Reading (2)	Reading (4)			Reading (5)	
R. 29			R. 29	R. 29			R. 29	
Music (1)	Music (2)							Music (3)
3rd floor east	3rd floor east							3rd floor east
Drawing (3)	I. Drawing (1)		II. Drawing (1)	I. Drawing (2)	II. Drawing (2)	Drawing (8)	III. Drawing (1)	III. Drawing (2)
3rd floor east	3rd floor east		3rd floor east	3rd floor east	3rd floor east	3rd floor east	3rd floor east	3rd floor east
I. Arithmetic (2)	Arithmetic (5)		I. Arithmetic (4)			I. Arithmetic (2)		
R. 26	R. 26		R. 26			R. 26		
II. Arith- metic (3)			I. Arithmetic (3)	Geometry (1)				
R. 25			R. 25	R. 25				
II. Arith- metic (1)	II. Arith- metic (2)					II. Arith- metic (1)	II. Arith- metic (2)	
R. 35	R. 35					R. 35	R. 35	

SUMMER TERM PROGRAMME, 1915—Continued

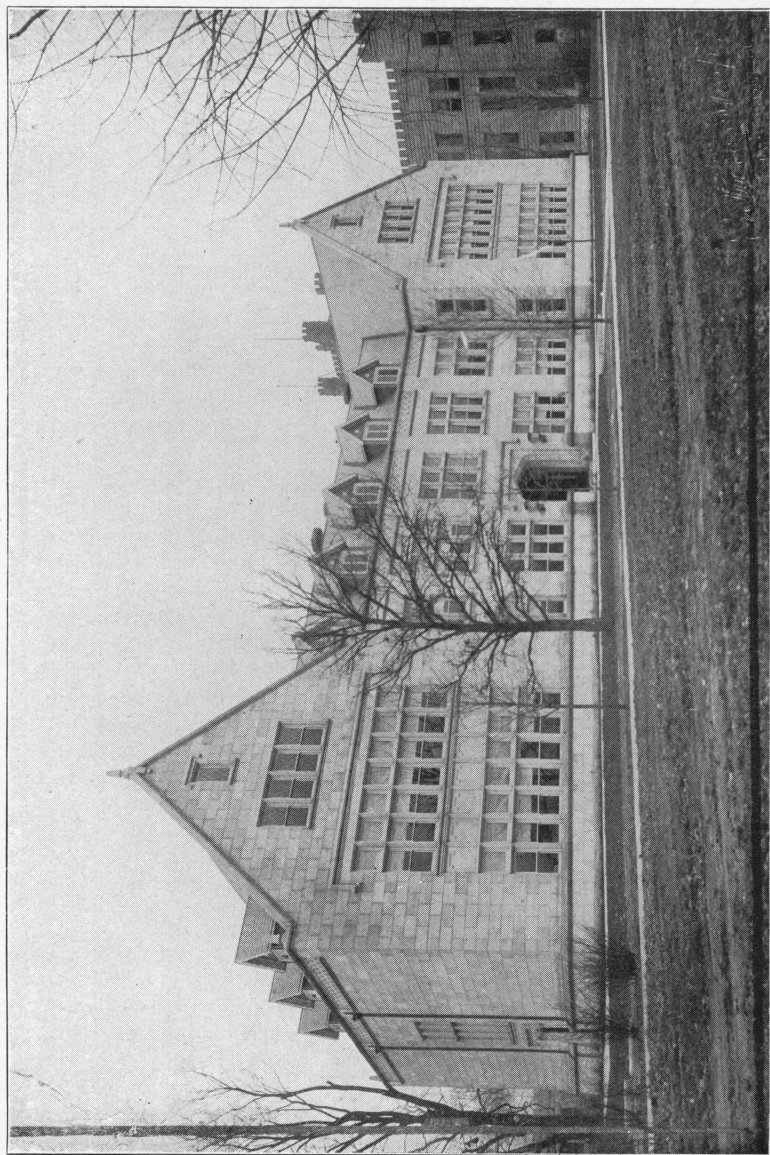
7:30-8:20	8:20-9:10	9:10-9:40	9:40-10:30	10:30-11:20	11:20-12:00	2:00-2:50	2:50-3:40	3:40-4:30
		Morning Exercises	The Elementary School and the Rural School are in Session from 10 to 12					
III. <i>Arithmetic</i> (4) R. 24 Algebra (2) R. 23	I. Arithmetic (1) R. 25 Algebra (1) R. 23 <i>Geography</i> (3) R. 17 <i>Geography</i> (4) R. 16 Chemistry (1) R. 37 Physics (1) R. 36 Zoology (2) 3d floor west					II. <i>Arithmetic</i> (4) R. 25 Algebra (2) R. 23 <i>Geography</i> (3) R. 17 <i>Geography</i> (2) R. 16 Physics (3) R. 36 Agriculture (2) R. 37 Zoology (1) 3d floor west	I. Arithmetic (1) R. 25 Algebra (1) R. 23 <i>Geography</i> (3) R. 17 <i>Geography</i> (4) R. 16 Physics (4) R. 36 Agriculture (2) Zoology (1) II. Physi- ology (3) 3d floor west	
			<i>Geography</i> (1) R. 17 <i>Geography</i> (5) R. 16 Elementary Science (1) R. 36 Agriculture (1) R. 37 I. Physiology (3) 3d floor west	<i>Geography</i> (5) R. 16 Physics (5) R. 36 Agriculture (1) I. Physiology (3)				II. Physi- ology (3) 3d floor west

Botany (1)	Botany (1)		Botany (3)	Botany (3)	Hygiene (4)	Botany (2)	Botany (2)	
3d floor west			3d floor west		3d floor west	3d floor west		
I. Domestic Science (1) Elementary School	I. Domestic Science (1)		II. Domestic Science (1) Elementary School	II. Domestic Science (1)		Domestic Art (1) Elementary School	Domestic Art (1)	
Manual Arts (1) Elementary School	Manual Arts (1)			I. Manual Arts (5) Elementary School		II. Manual Arts (5) Elementary School	III. Manual Arts (5) Elementary School	
I. Physical Education (4) Gymnasium	II. Physical Education (4) Gymnasium		School Hygiene (3) Gymnasium					

Courses in italics are those following the Illinois Course of Study.

The number of the room is indicated in the lower left hand corner of each space.

The number in parentheses indicates the course as outlined in the body of the circular.



ELEMENTARY SCHOOL

PURPOSE AND PLAN

The summer term of the Eastern Illinois State Normal School will begin on Monday, June 21, and close on Friday, July 30. Provision has been made to meet the needs of three classes of students:

1. Those who have had experience in teaching and who wish to enlarge their professional or academic knowledge.
2. Those who are preparing to teach in schools that follow the Illinois Course of Study.
3. Those who wish to take regular work with a view to graduation from the Normal School.

To teachers of experience, advanced work is offered in various studies and special opportunities are provided for observation in the grades. For those who are preparing to teach in schools that follow the Illinois Course of Study the subject-matter and method suggested by this course will be presented. Classes will be formed in reading, grammar, arithmetic, geography, history and physiology, the purpose in each being to equip the student with material which he can actually use in his teaching. Opportunity will also be afforded pupils to attend lectures on school government and to observe illustrative lessons in the Elementary School, and in a one-teacher school.

LOCATION

Charleston is a beautiful and healthful town, well adapted to summer work. It can be reached from the most remote town in the district in six hours. From all stations along the Big Four or the Clover Leaf it can be reached in two hours or less. Trains on the Illinois Central make close connection at Mattoon; trains from the southeast make close connection at Lerna; trains from the north and south make close connection at Paris. There are ordinarily sixteen passenger trains arriving daily in Charleston—six on the Clover Leaf and ten on the Big Four. Students from Mattoon or Mattoon con-

EASTERN ILLINOIS STATE NORMAL SCHOOL

nections can, if they so desire, use the interurban electric line. Charleston is in almost the exact center of a great network of roads, two north and south crossing the district east of Charleston—one at Paris and one at Kansas; two crossing the district west of it—one at Mattoon and one at Windsor; one running close along the eastern border of the district; and one, the main line of the Illinois Central, running along the western border. An equal or greater number of roads cross the district from east to west, some of them north and some of them south of Charleston, several of them being trunk lines with numerous trains.

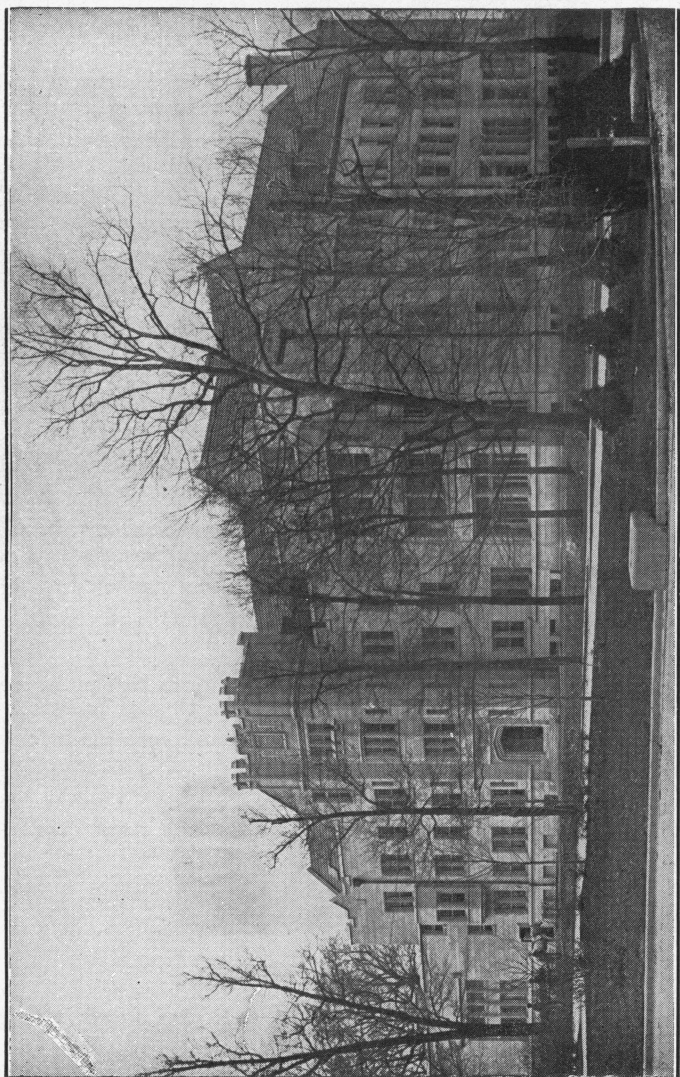
EXPENSES

No tuition is charged for the summer session to those who are to teach in Illinois. An incidental fee of one dollar covers all expenses in the zoological, botanical, physical, and chemical laboratories, in the library, and in other departments of the school. A small fee is charged to cover material in manual training and domestic science. All necessary textbooks are rented to students of the summer school for one dollar.

Board and room in the Woman's Building costs four dollars a week. In private families the cost is about the same. Committees from the Young Men's and Young Women's Christian Associations will assist students in selecting boarding places and rooms.

ESTIMATED EXPENSES

Incidental fee.....	\$ 1.00
Book rent.....	1.00
Board for six weeks.....	18.00
Room for six weeks, two in a room, each....	6.00
Laundry	3.00
Total	<hr/> \$29.00



WOMAN'S BUILDING

EASTERN ILLINOIS STATE NORMAL SCHOOL

ADMISSION

All teachers and persons expecting to teach next year are admitted without examination. Students who expect to continue in the Normal School are admitted in the usual way.

Enrollment of students will begin at eight o'clock, Monday morning, June 21. Class work in the subjects offered will begin Tuesday morning, June 22, at half past seven o'clock.

REGISTRATION

Directions for Registering on the Opening Day, Monday, June 21, 1915, 8:00 to 12:00 A. M.—1:30 to 5:00 P. M.

1. Arrange for board and room and keep a record of your street and number and your telephone number.
2. Fill enrollment blank carefully in ink at the tables in the front entrance hall.
3. Present enrollment blank for inspection at the information desk, where you will receive a term programme and the name and room number of your faculty adviser.
4. Pay incidental fee (\$1.00) and book rent (\$1.00) or leave scholarship at the cashier's office.
5. Take enrollment blank and cashier's receipt to your faculty adviser, where your directory card will be filled in ink. (The list of faculty advisers is posted near the information desk.)
6. Present at the desk in the Textbook Library your enrollment blank, cashier's receipt, and directory card and receive your textbooks.
7. Report for regular class work on Tuesday morning, beginning at 7:30

ANNOUNCEMENTS

Morning exercises are held in the assembly hall daily at 9:40.

SUMMER SESSION ANNOUNCEMENT

The assembly hall is a study room during all class periods from 8:20 A. M. to 3:40 P. M.

Students entering after Monday will go to the office.

Every student should leave his Charleston address at the Post Office. No mail will be delivered at the school.

COURSES

Rural School Methods and Observation	Geometry
Graded School Methods and Observation (six courses)	Geography (five courses)
Theory and Practice of Teaching	Physics (five courses)
Psychology (three courses)	Chemistry
History (five courses)	Elementary Science
Government	Agriculture (two courses)
English (eight courses)	Zoology (two courses)
German (three courses)	Physiology
Reading (four courses)	Hygiene (two courses)
Music (three courses)	Botany (three courses)
Drawing (four courses)	Manual Arts (two courses)
Arithmetic (five courses)	Domestic Science
Algebra (three courses)	Domestic Art
	Physical Education (two courses)
	Penmanship

CREDIT

Credit toward graduation is given for all courses equivalent to courses in the regular school year. A statement as to the amount of credit is given under each course. A unit means a year's work in a subject reciting in the regular year not fewer than four times a week.

HIGH SCHOOL GRADUATES

Graduates of four-year high schools are admitted to the two-year course in this school. The work of the two-year course follows:

EASTERN ILLINOIS STATE NORMAL SCHOOL

JUNIOR YEAR

Psychology, one unit
Arithmetic B, History B
Geography B, Grammar B
Reading B, Drawing B
Elective, one unit

SENIOR YEAR

Education, one unit
Physiology A, Manual Train-
ing A, Music A
Teaching, one unit
Elective, two units

Credit in this course toward elective work may be made in many subjects as explained in the description of courses. There must, however, be no duplication of work already taken in the high school. Elective credit work may be found under history, English, German, drawing, geography, physics, chemistry, agriculture, zoology, botany, manual arts, domestic science, domestic art and physical education.

Following is a list of the opportunities for taking the required work of the two-year course for graduates of four-year high schools:

Grammar B, I. Grammar (1) with Grammar (11)
or II. Grammar (1) with Grammar (11)
or III. Grammar (1) with Grammar (11)
or IV. Grammar (1) with Grammar (11)

or I. Grammar (2) with I. Grammar (10)
or II. Grammar (2) with II. Grammar (10)

Arithmetic B, I. Arithmetic (1) with I. Arithmetic (4)
or II. Arithmetic (1) with Arithmetic (5)
or I. Arithmetic (1) with II. Arithmetic (4)
or I. Arithmetic (2) with I. Arithmetic (3)
or II. Arithmetic (2) with II. Arithmetic (3)

Geography B, Geography (1) with Geography (2)

Reading B, Reading (1), (2), (4) and (5)

Drawing B, I. Drawing (1) with I. Drawing (2)
or II. Drawing (1) with II. Drawing (2)
or III. Drawing (1) with III. Drawing (2)

History B, History (6) with History (8)

Psychology, Psychology (1) with Psychology (2) and (3)
are equivalent to three-fifths of a unit; Courses (4) and
(5) to complete the unit will be offered next summer.

Music A, Music (1) or Music (2) or Music (3)

SUMMER SESSION ANNOUNCEMENT

Physiology A, I. Physiology (3) with Hygiene (4) or with Hygiene (3); or II. Physiology (3) with Hygiene (4) or with Hygiene (3)

Manual Arts A, Manual Arts (1)

Education (2), Theory and Practice (2) counts for the second part of Education 2,—School Management

Students are urged to read carefully the description of courses in order to choose wisely those adapted to their needs and their ability.

THE ELEMENTARY SCHOOL

An opportunity will be offered this summer to observe the work of almost all grades of elementary school work, and the school will be used very freely not only for the observation courses but in connection with the courses in methods in the various subjects.

Classes will be formed in each of the first four grades with one teacher for each grade. The work of two of the upper four grades will be taught by a single teacher. No practice teaching will be done during the summer term. All the teaching will be done by the training teachers, who will also give courses in the special methods connected with their grades.

The attention of those preparing for teaching in rural schools is called to our one-teacher school. This school will have all the grades usually found in a rural school, will be organized as planned by the State Course of Study and will in general follow the suggestions of that course in the various subjects. A course in rural school methods and management will be given by the teacher of the one-room school, and in connection with this course there will be directed observation of the work of the school. Room Six of the main building will be used for the rural school.

The Elementary School and the one-teacher school will be in session from ten to twelve o'clock.

EASTERN ILLINOIS STATE NORMAL SCHOOL

THE LIBRARY

The library, containing over 17,000 volumes, is open to all summer school students. Exhibits of books on different subjects will be made. During the summer school of 1914 books on the following subjects were exhibited:

Textbooks on arithmetic.

Books for Grades I. and II.

Books on physical education and games.

Free material useful in the study of geography.

Material for picture study.

For those who wish to obtain titles of books suitable to buy for school libraries, lists selected by those familiar with children's books are provided and conferences with the librarian may be arranged.

A short course in the use of the library will be given if enough students enroll.

THE LABORATORIES

Well equipped botanical and zoological laboratories offer opportunities for experimental work and for verification of established facts of life.

The laboratories of physics and chemistry contain the best of apparatus, which is essential to higher work, as well as many inexpensive and practical devices which can easily be reproduced in the grade or country school.

The school has a four-inch equatorial telescope, which is of especial interest to teachers of geography.

The manual training room is furnished with excellent benches and tools from which those who are planning to equip their own schools can get helpful suggestions.

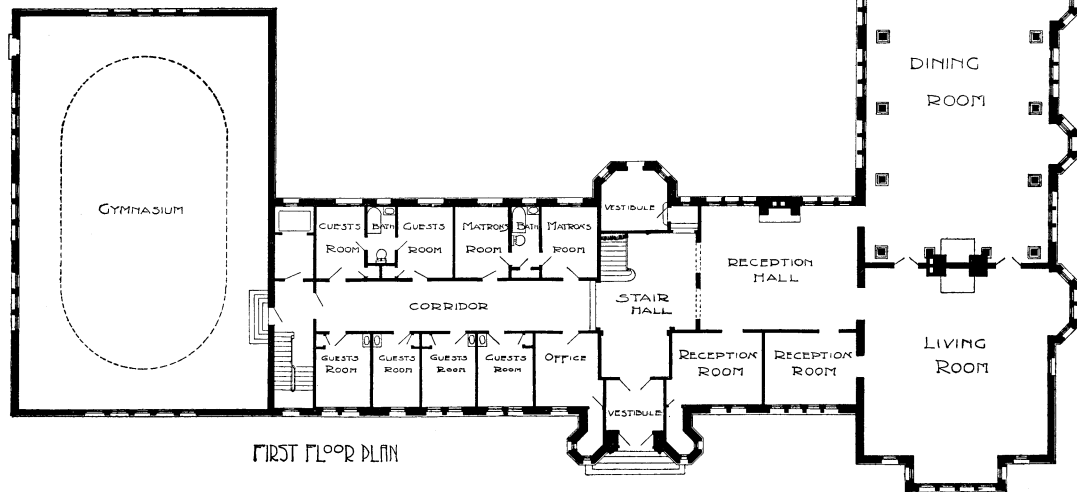
The department of home economics is adequately equipped for its work in domestic science and domestic art.

WOMAN'S BUILDING

The accompanying cut and floor plans are of the Woman's Building, finished and occupied January, 1909. Room and

DORMITORY BUILDING
FOR THE
EASTERN-ILL-STATE-NORMAL-SCHOOL
AT CHARLESTON-ILLINOIS
W. CARBY'S ZIMMERMAN
STATE ARCHITECT
CHICAGO

SUMMER SESSION ANNOUNCEMENT



FIRST FLOOR PLAN

EASTERN ILLINOIS STATE NORMAL SCHOOL

board can be secured in this building by one hundred teachers at four dollars a week, and board by about fifty more at three dollars a week. Applications for rooms will be filed in the order in which they are received. Those desiring rooms should write as early as possible, as the demand will be in excess of the number that can be accommodated.

GYMNASIUM

Adjoining the Woman's Building is the gymnasium, well equipped with Swedish apparatus, having stall-bars, climbing ropes and ladders, horizontal and vertical window ladders, jumping standards, vaulting box and horse, and two new Swedish booms, special 1910 models. It is well lighted and ventilated. Besides the best apparatus, there are separate dressing rooms with private lockers and numerous shower baths. For outdoor work there is a large athletic field with a quarter mile cinder track and a baseball diamond, field hockey and basketball grounds, and several tennis courts. The equipment of the gymnasium and play-ground will interest prospective teachers of physical education and the public school teachers who are seeking knowledge on this subject.

THE SCHOOL GARDEN

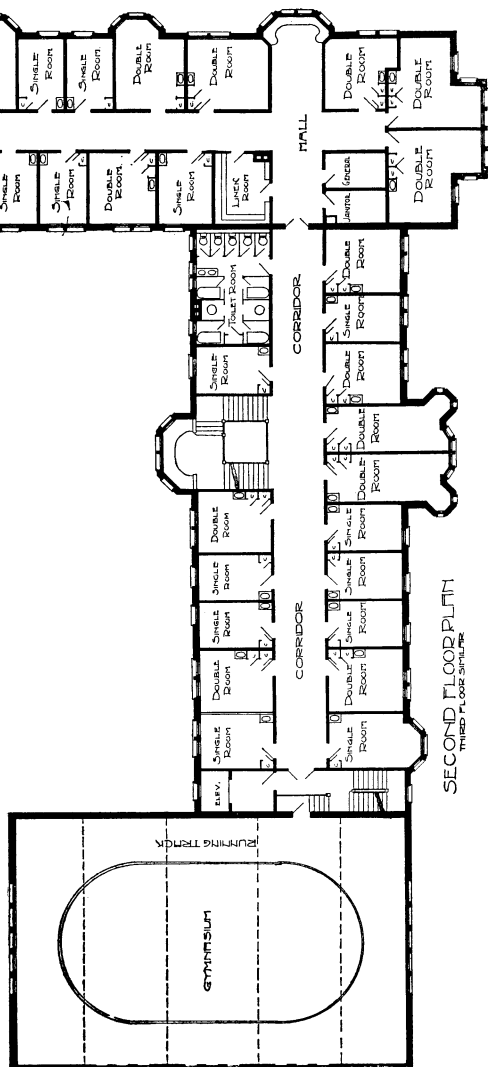
An opportunity is given for seeing the work done by pupils of the Elementary School in agriculture. Small plots of ground are planted and cared for by pupils under the direction of the gardener and the teachers. Connected with the students' garden are a model vegetable garden, a rose garden, and a garden for experimentation and exhibition purposes. All of these divisions are used for demonstrating the proper care of plants, the methods of propagation, crop rotation, and some of the principles of plant breeding.

An excellent four-room greenhouse contains many plants of unusual interest and serves, moreover, as an important adjunct to the botanical laboratories.

Additional facilities for field observations and for obtaining laboratory materials are offered by a small lake, a lily

SUMMER SESSION ANNOUNCEMENT

DORMITORY BUILDING
FOR THE
EASTERN ILL. STATE NORMAL SCHOOL,
AT CHARLESTON, ILLINOIS.
W. CARREY'S ZIMMERMAN
STATE ARCHITECT
CHICAGO.



SECOND FLOOR PLAN
THIRD FLOOR SIMILAR

pond, and a forestry of six thousand trees, all of which are within five minutes' walk of the biological laboratories.

ENTERTAINMENT

The students and faculty of the summer school will have an opportunity at a moderate price to see and hear the famous Ben Greet Woodland Players in an open air performance of a Shakespeare play. This is the original Ben Greet company, which plays before the leading colleges and universities of the United States and which played so acceptably at the 1914 session of the summer school. Mr. Greet himself will appear in a leading role. The play to be given is "The Comedy of Errors." The performance will be given on the Normal School Campus, Wednesday evening, July the seventh.

Descriptive Outline of Courses

EDUCATION

The courses in education are of two kinds. Courses 1 and 2 deal with the principles underlying class-room organization, management, and instruction. Courses 3, 4, 5, 6, 7, 8, and 9 are for observation and discussion of the details of management and instruction. In the latter courses most of the emphasis is placed upon methods of instruction in the various subjects. Courses 1 and 3 taken together are equivalent in credit to a half year's work in observation in the country school course. Course 2 is equivalent in credit to the second half of Education 2,—school management.

1. RURAL SCHOOL METHODS AND MANAGEMENT. The class will discuss the work of a one-room school in which many grades are taught. The subject matter planned in the State Course of Study will be presented, and other matters, vital to the management and instruction of a rural school. This course is open for credit only to those who register for Course 3. Credit for both Courses 1 and 3, one-fourth of a term, as observation in the country school course.

3:40, except Saturdays, Room 6, Miss MORSE.

SUMMER SESSION ANNOUNCEMENT

2. **THEORY AND PRACTICE OF TEACHING.** The course is designed primarily for those who have had some experience in teaching and wish to study their problems of class management and instruction. School organization and control, including the making of a programme, discipline, and kindred topics will be discussed. Methods for securing study and attention to the recitation and the conditions determining desirable class activity will be emphasized. Credit, one-fourth of a unit, as school management, the second half of Education 2.

8:20, Room 8 in the Elementary School, MR. ALLEN.

3. **RURAL SCHOOL OBSERVATION.** This class is open only to those who register for credit in Course 1. Students will spend fifty minutes each morning watching regular class-room work with a group of pupils ranging in age from five to fifteen years. Each afternoon except Saturday these exercises and others suggested in the State Course of Study will be discussed. Credit for both Courses 1 and 3, one-fourth of a term, as observation in the Country School Course.

10:30, Room 6, Miss MORSE.

4. **GENERAL OBSERVATION.** This course will give an opportunity to study school problems through directed observation of the work done in the elementary school. Besides individual observations of school routine and discipline, lessons for class observation and discussion will be given in the various subjects by the training teachers. Only students of junior standing or higher, or those who have taught at least one year, should take this course. The class will meet daily for observation and discussion. The work will be credited as equivalent to one term of the observation course of the regular school year to apply on the teaching unit when that is completed.

11:20, Room 16, MR. ALLEN.

5. **SPECIAL METHODS AND OBSERVATION, GRADE I.** This course is intended to teach methods of presenting reading, games, language, number and hand work to little children. Discussion will include problems of room

EASTERN ILLINOIS STATE NORMAL SCHOOL

management, discipline, seat work, and other things of interest to primary teachers. The course allows students to see a primary school in operation and discussions of the lessons actually observed will form a part of the work of the class.

2:50, Tuesdays and Thursdays, Room 1 in the Elementary School, Miss GEDDES.

6. SPECIAL METHODS AND OBSERVATION, GRADE II. This course will consist of talks on methods of teaching, reading, language, arithmetic, spelling, hand work, and games. Illustrative lessons in each of the subjects will be given. Special emphasis will be placed upon phonics and written language in this course. Material and methods to be used in this grade will be discussed by critic teachers and observers.

2:50, Wednesday and Friday, Room 2 in the Elementary School, Miss HALEY.

7. SPECIAL METHODS AND OBSERVATION, GRADE III. This course will consist of talks on methods of teaching reading, arithmetic, language, spelling, music, and hand work. Illustrative lessons in each of the subjects will be given. Special emphasis will be placed upon written language, dramatizing, and folk games in this course. Material to be used in the work of this grade will be discussed and suggestive lists of stories for language, stories for dramatizing, and games will be given.

3:40, Tuesday and Thursday, Room 3 in the Elementary School, Miss GARDINER.

8. SPECIAL METHODS AND OBSERVATION, GRADE IV. In this course emphasis will be placed on the study lesson as a preparation for independent study. Methods in reading, literature, language, arithmetic, and geography will be discussed and illustrated by lessons given in the fourth grade. A number of lessons will be given illustrating the study of pictures. Poems will be studied and committed to memory. Dramatization will be used in connection with reading lessons for the purpose of improving expression in oral reading. Other lessons will emphasize speed in silent

SUMMER SESSION ANNOUNCEMENT

reading. Some of the lessons in language will illustrate the organization of subject matter. They will make use of this ability to organize subject matter in doing supplementary reading for topics assigned for study in some of the geography lessons.

3:40, Wednesday and Friday, Room 4 in the Elementary School, Miss BISHOP.

9. SPECIAL METHODS AND OBSERVATION, GRAMMAR GRADES. This course will include methods of teaching the various subjects of the grammar grades and typical lessons in those subjects, emphasizing also training in habits of study.

2:50, Tuesday and Thursday, Room 7 in the Elementary School, Miss NEWELL.

PSYCHOLOGY

These courses are designed to give the student clear ideas of some of the elements of psychology, some training in introspection, and some notion of the application of psychology to the art of teaching. Completion of the five courses gives the student credit for Psychology B or one unit.

1. SCOPE AND METHOD OF PSYCHOLOGY. Mind and Body, constituents of mind, and elementary forms of consciousness. Credit, one-fifth of a unit.

7:30, Room 11, Mr. KIMMEL.

2. MENTAL ELABORATION, including (1) attention, (2) differentiation and integration; perception—tactual, visual, and auditory; memory and imagination. Credit, one-fifth of a unit.

8:20, Room 11, Mr. KIMMEL.

3. THE GENERAL NATURE OF THINKING. Comparison, general ideas, judgment, reasoning, belief. Credit, one-fifth of a unit.

10:30, Room 11, Mr. KIMMEL.

4. **THE FEELINGS.** Conditions of pleasure and pain, complex feelings, development of emotion, varieties of emotion, abstract sentiments, culture of the feelings. *Omitted 1915.* Credit, one-fifth of a unit.

5. **VOLUNTARY MOVEMENT, DESIRE, HABIT, CONDUCT, PROCESSES OF CONTROL, INDIVIDUALITY.** *Omitted 1915.* Credit, one-fifth of a unit.

HISTORY AND GOVERNMENT

The Elementary Courses 1, 2, 3, and 4, are planned for those preparing to teach in the seventh and eighth grades. Students making one-third of a unit in each of the Courses 1 and 2 and one-sixth of a unit in each of the Courses 3 and 4 will receive credit for one unit in elective history and government in the tenth or eleventh year of the four or five-year course or credit in required history and government in the second year of the course for those preparing to teach in the country schools. In addition to the study of subject matter these courses will include a discussion of methods of teaching and of the most useful aids for each course. The advanced courses, 5, 6, 7, and 8, are open to graduates of accredited high schools and to students of at least junior standing in this school or its equivalent; to others only by special permission. They involve a broader and a more intensive study of a shorter period of history than the elementary courses. In addition to creditable class work a considerable amount of library reading will be required. The credits earned will count as junior or senior elective history.

1. **AMERICAN HISTORY TO 1800.** This course includes a study of the discovery, exploration, and early settlements in America; the political, industrial and religious life in the Colonies; the relations of the Colonies with Europe; the causes of the Revolution; and the establishment and organization of the National Government. Credit, one-sixth of a unit. By special arrangement with the instructor one-third of a unit may be made.

9:40, Room 18, Miss Bucks.

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2. THE HISTORY OF THE UNITED STATES, 1800 TO THE PRESENT. This course includes a study of the westward expansion and of the significant changes in the political and industrial life of the people, the causes of the Civil War, the problems of reconstruction, and the most important events in our recent history. Credit, one-sixth of a unit. By special arrangement with the instructor one-third of a unit may be made.

Section I. For rural school teachers, 3:40, Room 18, Miss BUCKS.

Section II. For graded school teachers, 10:30, Room 18, Miss BUCKS.

3. AMERICAN GOVERNMENT. This course includes a study of the organization and functions of our national, state and local government, the historical development of some of its most significant characteristics, and of some of its most important problems. In the study of state and local government the particular features of government in Illinois will receive careful attention. Credit, one-sixth of a unit.

Section I. 7:30, Room 30, Mr. THOMAS.

Section II. 9:40, Room 9, Mr. DOUGHERTY.

4. THE HISTORY OF ILLINOIS. This course includes a study of the early French explorations and settlements, the English conquest, the conquest by George Rogers Clark, the territorial development and organization, its admission as a state and the later political and industrial development. The relation of events in Illinois history to the broader movements in American history will be kept constantly in mind. Credit, one-sixth of a unit.

8:20, Room 16, Mr. THOMAS.

5. AMERICAN HISTORY, 1492-1763. The chief emphasis will be placed on the industrial life and the development of political institutions in the Colonies. *Omitted 1915.* Credit, one-third of a unit. *Two hours daily.*

6. THE HISTORY OF THE UNITED STATES, 1763-1829. This course, with Course 8, may be substituted for

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History B. Credit, one-third of a unit. *Two hours daily.*
7:30 and 2:00, Room 9, MR. DOUGHERTY.

7. THE HISTORY OF THE UNITED STATES, 1829 TO THE PRESENT. *Omitted 1915.* Credit, one-third of a unit. *Two hours daily.*

8. THE HISTORY OF EUROPE SINCE 1815. Special emphasis will be placed on the political and industrial changes in England, the Revolutionary movement of 1848, the unification of Italy and of Germany, and the colonial expansion and commercial rivalry of the important states in Europe. This course, with Course 6, may be substituted for History B. Credit, one-sixth of a unit. By special arrangement with the instructor one-third of a unit may be made.

10:30, Room 30, MR. THOMAS.

ENGLISH

1. This course includes the fundamental principles of grammar and their application to composition work. The grammar covered is that outlined for the seventh year in the State Course of Study, material contained in the first eight chapters of Gowdy's Grammar. The essential elements of a sentence as an expression of thought, and the adjuncts or modifiers of these, are dwelt upon at length. Such composition work as should be given with this grammar in the grades is dealt with as fully as time permits. This course, together with Course 2 and Course 3, gives credit for English 1 and 2 in the regular course; or with English 11 may be substituted for Grammar B. *Two hours daily.*

Section I. 7:30 and 2:00, Room 40, MISS RAGAN.

Section II. 8:20 and 2:50, Room 33, MISS MCKIBBEN.

Section III. 9:40 and 3:40, Room 10, MR. SPRAGUE.

Section IV. 8:20 and 2:50, Room 18, MRS. ELLIS.

2. This is a continuation of Course 1, covering approximately the eighth year work in the State Course of Study, and beginning with Chapter IX. of Miss Gowdy's Grammar. It includes the study of clauses in detail, analysis of fairly difficult sentences, and the most important matters concerning

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the parts of speech and inflection. Grammatical facts will be applied to composition work as thoroughly as possible. Together with Course 1 and Course 3 this course gives credit for English 1 and 2 in the regular course; or with English 10 may be substituted for Grammar B. *Two hours daily.*

Section I. 8:20 and 2:50, Room 10, MR. SPRAGUE.

Section II. 7:30 and 2:00, Room 33, MISS MCKIBBEN.

3. **ELEMENTARY COMPOSITION:** Methods and Practice. This course will include theme-writing, mostly narration and description, and also methods of teaching composition in the upper grades. Some outside reading will be required. Together with Courses 1 and 2, this course gives credit for English 1 and 2 in the regular year's work.

9:40, Room 18, MRS. ELLIS.

4. **SHAKESPEARE.** The class will study "A Midsummer Night's Dream" and "King Lear." The chief aim of this course, as of the others in Shakespeare, will be the understanding and enjoyment of each play as a piece of dramatic action. Versification will be emphasized with the first play and dramatic preparation with the second. Throughout the term supplementary work will be done in the life of Shakespeare. *Omitted 1915.* This course may be counted toward English 5 and 6 or toward an elective in the regular year. Credit, one-fifth of a unit, required or elective.

5. **SHAKESPEARE.** The class will study "The Merchant of Venice" and "Macbeth." The special topic emphasized with the first will be dramatic construction and with the second dramatic characterization. The supplementary work will cover topics in Elizabethan life, especially the theater. *Omitted 1915.* This course may be counted toward English 5 and 6 or toward an elective in the regular year. Credit, one-fifth of a unit, required or elective.

6. **SHAKESPEARE.** The class will study "Hamlet." The special topic emphasized will be Shakespeare's use of sources. The supplementary work will cover in a very general way Shakespeare's most important contemporaries in the

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drama. This course may be counted toward English 5 and 6 or toward an elective in the regular year. Credit, one-fifth of a unit, required or elective.

8:20, Room 27, Miss SKEFFINGTON.

7. PROSE FICTION. The class will read "Pride and Prejudice" and "Romola." The first will be made a basis for the study of plot and the second will be emphasized as illustrating the significance of content. Supplementary work will cover in a general way the life and times of Jane Austen and of George Eliot. *Omitted 1915.* Credit, one-fifth of a unit, elective.

8. PROSE FICTION. The class will read "Vanity Fair" and "The Return of the Native." The first will be made a basis for the study of characterization and the second for the study of setting. Supplementary work will cover in a general way the life and times of Thackeray and of Thomas Hardy. *Omitted 1915.* Credit, one-fifth of a unit, elective.

9. PROSE FICTION. The class will read "Beauchamp's Career." This novel is chosen because of the nobility of the theme and the virility of the author. The point especially emphasized in the study will be the importance and unifying power of a definite theme. Supplementary work will cover in a general way the life and philosophy of George Meredith. Credit, one-fifth of a unit, elective.

7:30, Room 27, Miss SKEFFINGTON.

10. GRAMMAR IN THE ILLINOIS COURSE OF STUDY, SEVENTH YEAR. This course covers the same grammatical material as English 1, but with greater haste and with no attempt to correlate with the composition work. It may be counted for credit only in conjunction with English 2 as equivalent to Grammar B.

Section I. 7:30, Room 18, MRS. ELLIS.

Section II. 9:40, Room 27, Miss SKEFFINGTON.

11. GRAMMAR IN THE ILLINOIS COURSE OF STUDY, EIGHTH YEAR. This course covers the same grammatical material as English 2, but with greater haste and

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with no attempt to correlate with the composition work. It may be counted for credit only in conjunction with English 1 as equivalent to Grammar B; or, by special arrangement with the instructor for outside reading and papers, it may be substituted for the six weeks' methods course in grammar.

10:30, Room 40, Miss RAGAN.

12. METHODS IN FIFTH AND SIXTH YEAR ENGLISH. This course will cover the fifth and sixth year language work as fully as time permits, including discussion of material, purposes, standards, theme-topics, correcting of compositions, and methods of teaching. By special arrangement this course may be substituted for the six weeks' methods course in grammar; otherwise it will not be counted for credit.

8:20, Room 40, Miss RAGAN.

GERMAN

Three courses in German are offered: one for beginners and two for students who have had some work in elementary German. It is possible for a good student taking Course 1 to complete the year's work at home and receive credit for first year German, one unit. Each of the other courses counts one-fifth of a unit in second year German. A student, completing two of them in a summer term, one by home study during the year, and the remaining two the following year receives credit for second year German, one unit. Each course includes systematic work in grammar and in composition, the understanding of simple stories told in German, the memorizing of poems, and some conversation.

1. BEGINNING GERMAN. The class will study the first twenty-five lessons in Bacon's German Grammar. Credit, one-fifth of a unit, elective.

8:20, Room 38, Miss FORD.

2. SECOND YEAR GERMAN. A course in translation, based on Bacon's *Im Vaterland*. *Omitted 1915*. Credit, one-fifth of a unit, elective.

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3. SECOND YEAR GERMAN. A course in translation, based on Hauff's *Das Kalte Herz*. *Omitted 1915*. Credit, one-fifth of a unit, elective.

4. SECOND YEAR GERMAN. A course in translation, based on Storm's *Immensee* and Von Hillern's *Hoehers als die Kirche*. Credit, one-fifth of a unit, elective.

9:40, Room 38, Miss Ford.

5. SECOND YEAR GERMAN. A course in translation based on Schiller's *Wilhelm Tell*, Part one. Credit, one-fifth of a unit, elective.

10:30, Room 38, Miss Ford.

6. SECOND YEAR GERMAN. A course in translation, based on Schiller's *Wilhelm Tell*, Part two. *Omitted 1915*. Credit, one-fifth of a unit, elective.

READING

Five courses are offered in reading. A student who wishes to secure credit for required reading in any but the two-year certificate course should complete the first four courses, each of which gives credit for one-eighth of a unit. As far as possible a student should take these courses in the order in which they are stated in this catalogue. Course 5 will receive credit when offered as a substitute for Course 4 or its equivalent in the regular course but in no other case.

1. This course is designed mainly to improve the student's own oral reading, and secondarily to enable him to teach reading better. It attempts to set up definite standards by which oral reading may be judged. Clark's "How to Teach Reading" is used as a textbook. The elements of time, grouping, pausing, melody, inflection, quality, and force are studied. Some practice in reading before the class is given daily. Credit, one-eighth of a unit. This course together with Course 2 gives credit for Reading B, 1.

7:30, Room 29, Mr. WIDGER.

2. The fundamental purpose of this course is to improve the oral reading of the student by giving daily practice in

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reading before the class with a definite problem involved in each reading. Two features of oral reading will receive special attention: first, articulation and enunciation; second, emphasis to show the relative significance of ideas in the selection read. Such other work as the class seems most to need will also be given. Shakespeare's "Julius Caesar" will be studied and read together with some shorter prose selections. Credit, one-eighth of a unit. This course together with Course 1 gives credit for Reading B, 1 in the regular course.

9:40, Room 29, Mr. WIDGER.

3. This course has a double aim: first, to stimulate a love for and an understanding and appreciation of poetry; secondly, to give training and practice in the oral interpretation of poetry. In accomplishing the second aim the elements of rhythm, meter, melody, and tone color will be studied. The class will study and read "The Vision of Sir Launfal," "The Rime of the Ancient Mariner," "The Deserted Village," and some of "The Idylls of the King." *Omitted 1915.* Credit, one-eighth of a unit. This course together with Course 4 gives credit for Reading B, 2 in the regular course.

4. This course is planned to meet the needs of teachers in graded schools not following the State Course of Study. It deals with methods and devices used in the teaching of reading and a survey of the literature suitable for use in the school in connection with the reading work. Brigg's and Coffman's "Reading in the Public School" is used for assigned readings. These topics will be studied in the course; different methods of teaching reading, word drills, phonics, seat work, the assignment, ways of securing speed and accuracy in silent reading and effectiveness in oral reading. An attempt is made to apply some of these devices to concrete lesson material. Credit, one-eighth of a unit. This course together with Course 3 gives credit for Reading B, 2 in the regular course.

10:30, Room 29, Mr. WIDGER.

5. This course is planned to meet the special needs of those teachers who follow the Illinois State Course of Study.

The material given in the course of study is examined, explained, and supplemented by suggestions and devices for adapting it to the conditions found in rural schools. The course of study publication is used in class, and some work in the library in assigned readings is required. This course gives one-eighth of a unit credit, only when offered as a substitute for Course 4 or its equivalent in the regular course.

2:50, Room 29, Mr. WIDGER.

MUSIC

Three courses in music are offered, one for beginners, one for advanced students, and one for grade teachers.

1. **ELEMENTARY COURSE.** Study of the rudiments of music, note values, staff degrees, intervals, pitch names, key signatures, major scales, chromatics, elementary sight singing. One and two part songs. Credit, one-fourth of a unit for seniors or one-sixth of a unit in the first year of the country school course.

7:30, Third floor east, Mr. KOCH.

2. **THEORY, ELEMENTARY HARMONY, ADVANCED SIGHT SINGING.** Three and four part songs. Credit, one-fourth of a unit for seniors, or one-sixth of a unit in the first year of the country school course.

8:20, Third floor east, Mr. KOCH.

3. **METHODS IN SCHOOL MUSIC.** Teachers' course in sight singing. Song study, technique, analysis, interpretation, and principles to be observed in music teaching. Credit, one-fourth of a unit for seniors, or one-sixth of a unit in the first year of the country school course.

3:40, Third floor east, Mr. KOCH.

DRAWING

Four courses in drawing are offered: two for beginners, one for students who have had beginning drawing and painting or their equivalent, and one in methods in teaching of drawing for beginning and advanced students. Any two

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of these courses may be counted for the required courses in drawing for the first year country school teachers' course, and for the high school graduates. Outside work is required in all courses. The mediums used for all courses are charcoal, pencil, brush and ink, crayon, water color, white and tinted papers.

1. THE STUDY OF PRINCIPLES OF FREEHAND PERSPECTIVE AND SOME FIGURE DRAWING. Drawings and paintings will be made of flowers, pottery forms, furniture in parallel and angular perspective, buildings as adapted to landscape work. Credit, one-fourth of a unit for juniors; one-sixth of a unit in the first year of the country school teachers' course.

Section I. 8:20, Third floor east, Miss FISK.

Section II. 9:40, Third floor east, Miss FISK.

Section III. 2:50, Third floor east, Miss SMITH.

2. THE DISCUSSION AND STUDIO PRACTICE IN DRAWING AND PAINTING OF FLOWERS, LANDSCAPE AND THE LIKE; ELEMENTS OF DESIGN AND COMPOSITION. Flowers, trees and landscapes will be drawn in values from masterpieces and from out of doors. Harmony of colors will be studied as applied to surface patterns, borders and the like. The completion of Courses 1 and 2 gives credit for one year of drawing in the regular course. Credit, one-fourth of a unit for juniors; one-sixth of a unit in the first year of the country school teachers' course.

Section I. 10:30, Third floor east, Miss SMITH.

Section II. 11:20, Third floor east, Miss FISK.

Section III. 3:40, Third floor east, Miss SMITH.

3. This course takes up the study of flowers, including advanced water color, ink, pencil, crayon rendering, and pictorial composition. A different course is offered for five successive summers, beginning 1915. The completion of these five courses gives credit for one unit of A B Drawing of the regular school year. Credit, one-fifth of a unit, elective.

7:30, Third floor east, Miss FISK.

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8. This course deals with the methods of teaching of drawing. It includes a discussion of the value of art in education; its relation to industries and to other subjects, and the methods of teaching drawing in the elementary schools. There will be class work in drawing and painting; criticisms; the planning of lessons and a course of study, and the observation of drawing in the training school. Credit, one-fifth of a unit, elective.

2:00, Third floor east, Miss SMITH.

MATHEMATICS

ARITHMETIC

The completion of Courses 1, 2, and 5 gives credit for Arithmetic 1 and 2, which are required in the two-year course for country school teachers. The completion of Courses 1 and 4 or 5, or of Courses 2 and 3, gives credit for Arithmetic B required of Juniors. Course 5 counts for credit as the equivalent of methods in arithmetic required of juniors in adjustment course.

1. This course includes notation and numeration, the fundamental operations with integers and with common and decimal fractions, factors and multiples, English and metric measures, involution and evolution, and simple problems in the measurement of surfaces and solids. The course covers the topics taken up in the first six grades as outlined in the Illinois State Course of Study. Special attention is given to the teaching of these topics in the lower grades. Credit, one third of a unit. *Two hours daily.*

Section I. 8:20 and 2:50, Room 25, Miss BALCH.

Section II. 7:30 and 2:00, Room 35, Miss DAVIS.

2. The primary object of this course is to prepare for the teaching of arithmetic in the seventh and eighth grades. The principal topics discussed are percentage and its applications to practical business problems, ratio and proportion, and the mensuration of surfaces and solids. It is the aim of the class room instruction to familiarize the students with

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methods of instruction that can be readily adapted to the seventh and eighth grades. Credit, one-third of a unit. *Two hours daily.*

Section I. 7:30 and 2:00, Room 26, MR. TAYLOR.

Section II. 8:20 and 2:50, Room 35, MISS DAVIS.

3. METHODS IN ARITHMETIC IN THE FIRST SIX GRADES. In this course is discussed the work in arithmetic in the first six grades as outlined in the Illinois State Course of Study. The course includes a review of the more difficult parts of the subject matter, and discussion of methods of teaching. Credit, one-sixth of a unit.

Section I. 9:40, Room 25, MR. MODESITT.

Section II. 7:30, Room 25, MR. MODESITT.

4. METHODS IN ARITHMETIC IN THE SEVENTH AND EIGHTH GRADES. The work of the seventh and eighth grades as outlined in Illinois State Course of Study is taken up in this course. The course gives a review of the subject matter and discussion of methods of teaching. Credit, one-sixth of a unit.

Section I. 9:40, Room 26, MR. TAYLOR.

Section II. 2:00, Room 25, MISS BALCH.

Section III. 7:30, Room 24, MISS BALCH.

5. METHODS IN ARITHMETIC. This is a more advanced course in methods in arithmetic for teachers of experience, and others who have a good knowledge of arithmetic. Attention will be given mainly to work in the upper grades. Some time will be given to review of subject matter, but the emphasis will be placed on the reading and discussion of some of the best books on methods in arithmetic. Brown and Coffman's "How to Teach Arithmetic" will be the principal book of reference. Credit, one-sixth of a unit.

8:20, Room 26, MR. TAYLOR.

ALGEBRA

The completion of the three courses in algebra gives credit for Algebra 1 and 2 which are required in the four and five-year courses.

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1. This is a beginning course in algebra and covers algebraic notation, the fundamental operations, factoring, highest common factor, lowest common multiple, fractions, and equations of the first degree in one unknown. Credit, one-third of a unit. *Two hours daily.*

8:20 and 2:50, Room 23, MR. HILL.

2. SIMULTANEOUS EQUATIONS OF THE FIRST DEGREE IN ONE OR MORE UNKNOWN, INVOLUTION AND EVOLUTION, EXPONENTS AND RADICALS. Prerequisite, Algebra 1, or its equivalent. Credit, one-third of a unit. *Two hours daily.*

7:30 and 2:00, Room 23, MR. HILL.

3. QUADRATIC EQUATIONS, THE THEORY OF QUADRATIC EQUATIONS, SIMULTANEOUS EQUATIONS OF THE SECOND DEGREE IN TWO UNKNOWN, AND RATIO AND PROPORTION. Prerequisite, Algebra 2 or its equivalent. Credit, one-third of a unit. *Two hours daily.*

7:30 and 2:00, Room 38, MISS FORD.

GEOMETRY

1. PLANE GEOMETRY. This is a beginning course in plane geometry. The work will be adapted to the needs of the class. The credit given will depend upon the amount of work done.

10:30, Room 25, MR. MODESITT.

GEOGRAPHY

The courses have been arranged in such a way as to cover, as far as possible, the work in geography in the State Course of Study and at the same time count for credit in the regular normal school course. Country school teachers are advised to take Courses 1 and 2 since they give foundation to all work in geography.

1. CLIMATOLOGY. This course covers work for the seventh and eighth years in the State Course of Study and

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includes mathematical geography, a study of the circulation of the atmosphere, and climate. Work with the geography of South America and Australia gives opportunity for the application of the principles of climatology. This course with Geography 2 gives credit for Geography 1 or 3 in the regular normal school course. Credit, one-third of a unit. *Two hours daily.*

9:40 and 3:40, Room 17, Miss WELLER.

2. **PHYSIOGRAPHY.** This course covers work of the fourth year of the State Course of Study and helps to form a basis for all geography work. It includes a study of land forms, of the work of air, water, ice, etc., in changing the earth's surface and of the influence of these upon the distribution and lives of people. This course with Course 1 gives credit for Geography 1 or 3 in the regular normal school course. Credit, one-sixth of a unit.

2:00, Room 16, Miss HANSON.

3. **NORTH AMERICA.** This course covers work of the fifth and sixth years of the State Course of Study. Mill's International Geography is used as a text along with library reference work. This course with 5 may be substituted for Geography 2 in the regular normal school course. Credit, one-third of a unit. *Two hours daily.*

8:20 and 2:50, Room 17, Miss WELLER.

4. **EUROPE.** This course covers work of the fifth and seventh years of the State Course of Study. Mill's International Geography is used as a text along with library reference work. Credit, one-third of a unit, elective. *Two hours daily.*

8:20 and 2:50, Room 16, Miss HANSON.

5. **ASIA AND AFRICA.** This course covers work of the fifth and eighth years of the State Course of Study. Credit, one-sixth of a unit, elective.

10:30, Room 16, Miss HANSON.

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PHYSICAL SCIENCES

PHYSICS

1. MECHANICS OF SOLIDS AND FLUIDS. This course includes the study of force, work, energy, and power; the laws of motion, machines, and the principles of buoyancy and hydraulics. Lectures and recitation. Open to those who have had one term of algebra. Credit, one-sixth of a unit.

7:30, Room 36, MR. HAGAN.

2. MECHANICS OF SOLIDS AND FLUIDS. Laboratory work to accompany Physics 1. Credit, one-sixth of a unit.

8:20, Room 36, MR. HAGAN.

3. HEAT. Mainly demonstration and recitation work but including four laboratory problems. This course and Physics 4 should follow the courses in mechanics. Credit, one-sixth of a unit.

2:00, Room 36, MR. HAGAN.

4. SOUND AND LIGHT. A course of lectures and recitations including four laboratory problems. Credit, one-sixth of a unit.

2:50, Room 36, MR. HAGAN.

5. ELECTRICITY. A study of direct and alternating currents. In addition to demonstration and textbook work the class will visit a modern power station and inspect the latest forms of generators and transformers. This course is intended for those who have completed Physics 1, 2, 3, and 4. Credit, one-sixth of a unit.

10:30, Room 36, MR. CROWE.

CHEMISTRY

1. A STUDY OF THE ELEMENTS OXYGEN, HYDROGEN, NITROGEN, AND CARBON AND SOME OF THEIR MOST COMMON COMPOUNDS. The chemistry of plants and the composition of foods and fertilizers

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will be considered. Laboratory work, lectures, and recitations. Credit, one-third of a unit. *Two hours daily.*

7:30 and 8:20, Room 37, Mr. CROWE.

ELEMENTARY SCIENCE

1. This is a course in general elementary science. It is an information course, dealing with physical, chemical, and biological phenomena. The subjects for study will be air and water, their structure and composition, their characteristics, their use as plant food, the impurities found in them. The related topics, humidity, climate, and the seasons will also be considered. Credit, one-sixth of a unit, elective, IX, X, XI.

9:40, Room 36, Mr. CROWE.

2. A course to follow Elementary Science 1. *Omitted 1915.*

AGRICULTURE

First week: Corn judging and a study of the history and type of each of the varieties most important to Central Illinois.

Second week: Treatment of grains for various diseases. Shrinkage of grain in storage. Percentage of waste in the different varieties of corn and oats. Seed testing and identification.

Third week: A study of the life histories of noxious and beneficial insects; also methods of eradication and prevention.

Fourth week: Animal nutrition. A study of the fundamental principles underlying animal metabolism as presented by the Pennsylvania Experiment Station. Reports from Illinois feeding experiments and a careful study of Dietrich's theory of "Nitrogen Equilibrium."

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Fifth week: Soils. Soil formation as presented by Hilgard, Merrill, and Hopkins. A study of the great soil areas of the state. A study of the various types of soils of the Wisconsin Glaciation.

Sixth week: A careful study of the results of Illinois soil investigations. Various systems of permanent agriculture. A careful review of the controversy between the University of Illinois and the U. S. Department of Agriculture.

Some modification of this course may be made to suit the special needs of those who enroll in it. Credit, one-fourth of a unit, elective. *Two hours daily.*

Section I. 9:40 and 10:30, Third floor west, MR. COLVIN.

Section II. 2:00 and 2:50, Third floor west, MR. COLVIN.

BIOLOGICAL SCIENCES

BOTANY

1. THE STRUCTURE OF SEED PLANTS. The structures of roots, stems, leaves, flowers, fruits, and seeds form the basis of this course. This course together with Botany 2 gives credit for Botany 1 in the regular course. Credit, one-fourth of a unit. *Two hours daily.*

7:30 and 8:20, Third floor west, MR. TRANSEAU.

2. THE PROCESSES AND ADJUSTMENTS OF SEED PLANTS. In this course emphasis is laid upon the physiological processes of the higher plants, and the relation of plants to their environment. This course must follow or be taken along with the preceding course. Credit, one-fourth of a unit. *Two hours daily.*

2:00 and 2:50, Third floor west, MISS BELYEA.

3. THE MORPHOLOGY OF THE LOWER PLANTS. The structures, life histories, and economic relations of the bacteria, algae, fungi, and mosses are discussed in this course. Credit, one-fourth of a unit. *Two hours daily.*

9:40 and 10:30, Third floor west, MR. TRANSEAU.

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4. THE MORPHOLOGY OF THE HIGHER PLANTS. This course considers the structures, life histories, and classification of the ferns and seed plants. This course must be preceded by Course 3 or its equivalent. *Omitted 1915.* Credit, one-fourth of a unit. *Two hours daily.*

ZOOLOGY AND PHYSIOLOGY

These courses have as their main purposes, the following: (a) to acquaint the students with the subjects as a whole, (b) to give them knowledge of the more important facts that make up the subjects, (c) to develop in the pupils ability to work independently in these fields, and (d) to train them properly to judge data and make proper conclusions from them: in other words to think in these subjects. The zoology and physiology laboratory is well supplied with materials for attaining these ends in the way of specimens, charts, models, lantern slides, microscopes, and other equipment. The normal school campus has a rich and varied fauna, due to its diversity of vegetation and to its ponds, which attract many aquatic forms.

1. GENERAL ZOOLOGY. This course is designed to give knowledge of the animal kingdom as a whole, by treating successively members of the lowest to the highest groups of animals from the standpoint of their structure, life-processes, ecology, and relation to man; the latter chiefly in economic, aesthetic, and educational ways. The work will be done principally through recitations, laboratory exercises, and field trips. Credit, one-fourth of a unit. *Two hours daily.*

2:00 and 2:50, Third floor west, MR. HANKINSON.

2. AGRICULTURAL ZOOLOGY. The purpose of this course is to acquaint pupils with some of the more interesting and important forms of animals in our Illinois fauna. Their ecology and habits, and, as far as necessary for the comprehension of these, their structure, will be studied. The economic relations of birds, insects, and some other forms will be made especially prominent. There will be exercises in collecting and preparing specimens, which should make this course useful to teachers doing nature work or elementary

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agriculture. Credit, one-fourth of a unit. *Two hours daily.*
7:30 and 8:20, Third floor west, MR. HANKINSON.

3. HUMAN PHYSIOLOGY. An understanding of the life-processes of the human body, their nature, initiation, coordination, effects on the body, and the conditions under which they are performed, will be the main object of the course. The structure of the different organs will be treated only so far as necessary for the understanding of the bodily activities. Credit, one-third of a unit. *Two hours daily.*

Section I. 9:40 and 10:30, Third floor west, MR. LANTZ.

Section II. 2:50 and 3:40, Third floor west, MR. LANTZ.

4. HYGIENE. An application of the facts obtained in studying the anatomy and physiology of the human body will be made with a view to teaching the pupil to care better for his body. In addition to the ordinary topics of such a course, such ones as disease-producing micro-organisms, insects and disease will be taken up. Credit, one-sixth of a unit. With Course 3, credit may be had for the regular year's work, a half unit, in physiology and hygiene. This summer course in hygiene may be taken only by those who have had Course 3 or its equivalent.

11:20, Third floor west, MISS BELYEA.

MANUAL ARTS

Two courses are offered in manual arts. One course equal to one-fourth of a year's work in the regular school year, and one course for those who wish to teach some form of hand-work in their schools.

1. THE FUNCTION OF HAND-WORK IN SCHOOLS. Methods of teaching hand-work in the first five grades. The introduction of materials and processes. The study of the laying-out tools. Information and related matter. Each student will be required to complete a set of problems adapted to the first five grades, using specified material. Credit, one-fourth of a unit. *Two hours daily.*

7:30 and 8:20, Elementary School, MR. PIPPIT.

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2. THE FUNCTION OF HAND-WORK IN THE UPPER GRADES. Methods of teaching, the making of plans, the making of problems suitable for the sixth, seventh and eighth grades. The study of mechanical drawing introduced. Materials, wood and copper. Credit, one-fourth of a unit. *Two hours daily. Omitted 1915.*

3. THE FUNCTION OF A TECHNICAL COURSE IN THE UPPER GRADES AND IN THE HIGH SCHOOL. Courses of study and suitable equipments. Practice teaching of grade classes. Making of a plan, mechanical drawing, blue print and problem, suitable for high school grades. Credit, one-fourth of a unit. *Two hours daily. Omitted 1915.*

4. METHODS OF APPLICATION OF HAND-WORK AND POSSIBILITIES OF CORRELATION. Review,—themes, processes, methods of work, problems. Making of a complete set of exercises, including drawings, blue prints, and chest for holding. Completing of a piece of cabinet work. Note-book work completed. Credit, one-fourth of a unit. *Two hours daily. Omitted 1915.*

5. This course is offered for the benefit of those who wish to introduce some form of hand-work in their schools, and do not wish credit. It permits the teaching of paper folding, cardboard construction, basketry, weaving, and clay work. Note-book work will include the study of materials, methods of teaching the various processes, and their values.

Section I. 10:30, Elementary School, MR. PIPPIT.

Section II. 2:00, Elementary School, MR. PIPPIT.

Section III. 2:50, Elementary School, MR. PIPPIT.

HOME ECONOMICS

The work of the home economics department is divided into two parts: domestic science, which deals with foods, and domestic art, which has to do with clothing.

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DOMESTIC SCIENCE

Courses, 1, 2, and 3 constitute one year's work. Credit, one unit, elective. A laboratory fee of one dollar and thirty cents (\$1.30) is charged to cover the cost of the materials used in each of these courses.

1. This course includes a general study of the different kinds of food materials and their use in our bodies, with a somewhat detailed study of beverages, fruit and its preservation, vegetables and vegetable cookery, and the cereal products. Credit, one-third of a unit, elective. *Two hours daily.*

Section I. 7:30 and 8:20, Elementary School, Miss MORTON.

Section II. 9:40 and 10:30, Elementary School, Miss MORTON.

2. This course includes a study of eggs, milk, cheese, fats, sugars, meats, fish, and meat substitutes. *Omitted 1915.* Credit, one-third of a unit, elective. *Two hours daily.*

3. This course includes a study of salads and salad dressings, croquettes, gelatin, bread, baking powder, flour, yeast, cakes and pastry. *Omitted 1915.* Credit, one-third of a unit, elective. *Two hours daily.*

DOMESTIC ART

Courses 1, 2 and 3 constitute one year's work. Credit, one unit, elective. A laboratory fee of thirty-five cents (\$0.35) is charged to cover the cost of drafting paper and material used for models. Students furnish their own material for garments.

1. This course includes hand and machine sewing, pattern drafting, garment making, methods of applying trimming and a study of the kinds of seams and their use. Credit, one-third of a unit, elective. *Two hours daily.*

2:00 and 2:50, Elementary School, Miss MORTON.

2. This course includes a continued study of pattern drafting and garment making and a study of machine attach-

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ments, making of gussets and the finishes for garments. *Omitted 1915.* Credit, one-third of a unit, elective. *Two hours daily.*

3. In this course pattern drafting is continued and to this is added the making of a shirtwaist dress, repairing garments, patching, darning, simple embroidery stitches, and suggestions for articles that would form suitable problems for elementary or rural school children. *Omitted 1915.* Credit, one-third of a unit, elective. *Two hours daily.*

PHYSICAL EDUCATION FOR WOMEN

Four courses in physical education for women are offered, each counting one-fifth of a year's work. The object of these courses is to give some knowledge and practice in teaching gymnastics, folk-dancing, and games in public schools and to prepare teachers for exercising intelligent oversight of the physical needs and conditions of school children.

1. THEORY OF TEACHING GYMNASTICS AND GAMES. The purpose is threefold: (1) to make clear the objects of definite gymnastic exercises; (2) to study the selection and progression of exercises; (3) to give normal instruction in preparing and teaching gymnastic exercises and games. Credit, one-fifth of a unit, elective. *Omitted 1915.*

2. PRACTICE IN TEACHING GYMNASTICS AND GAMES. Practice teaching done with sections of the class, supplemented by class discussion and conferences. Course 1 required with Course 2. Credit, one-fifth of a unit, elective. *Omitted 1915.*

3. PERSONAL AND SCHOOL HYGIENE. Consideration of conditions which affect the preservation and improvement of health, including ways of detecting abnormalities and common diseases of school children. Credit, one-fifth of a unit, elective.

9:40, Gymnasium, Miss NILES.

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4. FOLK DANCING. Dances of the different nations, keeping a record of each dance. Instruction and some practice in teaching. Analysis of folk dances found in books. Credit, one-fifth of a unit, elective.

Section I. 7:30, Gymnasium, Miss NILES.

Section II. 8:20, Gymnasium, Miss NILES.

PENMANSHIP

This course is intended for teachers who wish to improve their own writing or become familiar with a system of plain business writing and methods of presenting it to pupils in the grades.

The course will include correct position, muscular movement exercises, business forms of capital letters, small letters, figures, sentences, and paragraphs. Emphasis will be placed upon blackboard writing. *One hour daily.*

2:00, Room 7, Elementary School, Miss NEWELL.

THE WORK OF THE REGULAR SCHOOL YEAR

The first term of the school year of 1915-1916 will begin Tuesday, September 14, 1915, at 8:00 o'clock in the morning. A bulletin with full information will be sent to those who are interested.

