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THE Teachers College Bulletin

Number 79

January 1, 1923

EASTERN ILLINOIS STATE TEACHERS COLLEGE
AT
CHARLESTON

ANNOUNCEMENT OF THE
SUMMER TERM
TWELVE WEEKS
1923

Mid-Spring Term, April 23—June 1
Summer Term:
First Half Term, June 11—July 20
Second Half Term, July 23—August 31

12/10/9

The Teachers College Bulletin

PUBLISHED QUARTERLY BY THE EASTERN ILLINOIS
STATE TEACHERS COLLEGE

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No. 79

CHARLESTON, ILLINOIS

January 1, 1923



ANNOUNCEMENT OF THE SUMMER TERM TWELVE WEEKS 1923

MID-SPRING TERM, APRIL 23—JUNE 1

SUMMER TERM:—

FIRST HALF TERM, JUNE 11—JULY 20

SECOND HALF TERM, JULY 23—AUGUST 31

Eastern Illinois State Teachers College at Charleston

[Printed by authority of the State of Illinois.]

MID-SPRING TERM

Six Weeks

April 23—June 1, 1923

PROGRAMME

7:30-8:15	8:15-9:00	9:30-10:20	10:20-11:10	11:30-12:10	1:30-2:20	2:20-3:10	3:10-4:00
Algebra 1*	English 21*		Arithmetic 21a		Algebra 1*	English 21*	
Manual Arts 25b	Education 24b	Hygiene 20b	Arithmetic 20*	Government 1a		Government 2a	Arithmetic 20*
History 8a	Arithmetic 21b	Geography 33b	English 22b	Drawing 24b			
	English 24b			Reading 24b	Reading 24a		
	Biology 24b	Biology 25b					

* Two hours daily.

Mid-spring term students are permitted to enter any of the regular spring term courses in which they can work with profit. Algebra 1 is followed by Algebra 2 in the first summer term.

CONTENTS

	Page
Mid-Spring Term	2
Contents	3
Calendar for 1923.....	4
The Normal School Board.....	5
Faculty	6
General Information—	
Purpose and Plan	9
Admission	9
Credit	9
Renewal of Certificates	9
Expenses	10
Registration	10
Announcements.....	11
Training School	11
Pemberton Hall	11
Gymnasium	11
Laboratories	12
School Garden	12
Library	12
Recreation	12
Entertainment	12
Regular School Year	13
Programme	20
Programme Notes	13
Curriculums for High School Graduates.....	13
Courses Offered	15
Description of Courses—	
Agriculture	16
Art	16
Education	17
English	23
Geography	25
History and Government	26
Home Economics	28
Library Use	29
Manual Arts	30
Mathematics	32
Public School Music	34
Penmanship	34
Physical Education	35
Psychology	36
Reading	36
Science	37
The Regular School Year.....	39
Programme for the Second Half Term.....	40

Charleston Teachers College

THE SCHOOL CALENDAR

1923

MID-SPRING TERM

(Six Weeks)

Monday, April 23, 11:00 A. M.Registration
Friday, June 1, 12:10 Noon.....Term ends

SUMMER TERM

1923

(Twelve Weeks)

First Half Term

Monday, June 11, 8:00 to 12:00 A. M. }Registration
1:30 to 5:00 P. M. }
Tuesday, June 12, 7:30 A. M.Class Work begins
Friday, July 20, 12:10 Noon.....First Half Term ends

Second Half Term

Monday, July 23, 10:00 A. M.Registration
Tuesday, July 24, 7:30 A. M.Class Work begins
Friday, August 31, 12:10 Noon.....Second Half Term ends

FALL TERM, 1923-1924

Monday, September 10, 8:00 A. M.Registration
Tuesday, September 11, 7:30 A. M.Class Work begins

STATE OF ILLINOIS
DEPARTMENT OF REGISTRATION AND EDUCATION
THE NORMAL SCHOOL BOARD

EX-OFFICIO MEMBERS

A. M. SHELTON, Director of Registration and Education,
Springfield, Chairman

FRANCIS G. BLAIR, Superintendent of Public Instruction,
Springfield, Secretary

APPOINTED MEMBERS

1917-1921

FRANK E. RICHEY, LaSalle

HENRY A. NEAL, Charleston

ELMER T. WALKER, Macomb

1917-1923

FRANK B. STITT, El Paso

WILLIAM B. OWEN, Chicago

MRS. GRACE SWOFFORD WYKES, Benton

1919-1925

ROLAND E. BRIDGES, Carbondale

CHARLES L. CAPEN, Bloomington

JOHN C. ALLEN, Monmouth

Under the provisions of the Civil Administrative Code for the consolidation of state agencies under the direction of the Governor, the five state teachers colleges of Illinois are controlled by a single board consisting of eleven members; the Director of Registration and Education, who is ex-officio chairman, the Superintendent of Public Instruction, who is ex-officio secretary, and nine members appointed by the Governor for terms of six years.

THE FACULTY

FIRST HALF TERM

LIVINGSTON C. LORD.....	President A. M., Harvard University; LL. D., University of Illinois
EDSON H. TAYLOR.....	Mathematics A. M., Ph. D., Harvard University
ELLEN A. FORD.....	Algebra and English A. M., Syracuse University
ANNIE L. WELLER.....	Geography B. S., University of Chicago
ALBERT B. CROWE.....	Physical Sciences A. M., Hanover College
ISABEL McKINNEY.....	English A. M., Columbia University
S. E. THOMAS.....	History and Government A. M., University of Iowa
EDITH E. RAGAN.....	English Indiana State Normal School
CHARLES P. LANTZ.....	Physical Education B. S., Gettysburg College
HOWARD DeF. WIDGER.....	English A. B., Yale University
FISKE ALLEN.....	Director of the Training School A. B., Indiana University; A. M., Columbia University
EARL R. K. DANIELS.....	English A. B., Clark College; A. M., University of Chicago
LEWIS ALBERT MOORE.....	Agriculture B. S., University of Illinois
HELEN FERN DARINGER.....	English A. M., Columbia University
L. F. ASHLEY.....	Manual Arts B. S., Stout Institute
Home Economics
RUTH E. MAJOR.....	Recreation and School Music B. S., Kansas State Normal School
EARL H. HALL.....	Biological Science B. S., M. S., University of Chicago
CHARLES S. SPOONER.....	Biological Science A. B., Cornell University; A. M., University of Illinois
GRACE E. MESSER.....	Fine and Applied Arts Potsdam Normal School; Syracuse University
MARGARET A. CANT.....	Arithmetic A. B., University of Minnesota
ORRA E. NEAL.....	English Battle Creek College

GRACE WOODY.....Recreation and Physical Education
 Columbia Normal School of Physical Education
 R. J. SEYMOUR.....Physiology and Hygiene
 M. D., Ohio State University
Psychology
History
History
 FLORENCE SUTTON.....Arithmetic
 Eastern Illinois State Teachers College
Arithmetic
Arithmetic
Geography
 EMILY R. ORCUTT.....Reading
 Ph. B., University of Chicago
Assistant in Art
 FLOYD E. WILSON.....Assistant in Manual Arts
 Eastern Illinois State Teachers College
Penmanship
Training Teacher, Seventh Grade
Training Teacher, Sixth Grade
 JESSIE L. FORDE.....Training Teacher, Fifth Grade
 A. B., Kansas State Normal School; A. M., Columbia University
 ADELINE C. LAWRENCE.....Training Teacher, Fourth Grade
Training Teacher, Fourth Grade
Training Teacher, Third Grade
Training Teacher, Second Grade
 GRACE GEDDES.....Training Teacher, First Grade
 Eastern Illinois State Teachers College; Columbia University
 ANNA H. MORSE.....Training Teacher, First Grade
 Illinois State Normal University; Columbia University
 MINNIE E. CASSADY.....Training Teacher, Rural School
 Eastern Illinois State Teachers College
 MARTHA M. LARSEN.....Training Teacher, Rural School
 Illinois State Normal University
 MARY J. BOOTH.....Librarian
 A. B., Beloit College; B. L. S., University of Illinois
 LOIS F. SHORTESS.....Assistant Librarian
 A. B., University of Wisconsin
 ELIZABETH SAMMIS.....Assistant Librarian
 University of Wisconsin
 GRACE EWALT.....Secretary and Business Manager
 BLANCHE C. THOMAS.....Registrar
Stenographer
 ESTHER E. FULLER.....Stenographer
 MARTHA MOLYNEAUX.....Head of Pemberton Hall
 Miami University
 CAROL L. BESTELAND.....Nurse
 WALTER H. NEHRLING.....Superintendent of Grounds
 Missouri Botanical Gardens

SECOND HALF TERM

HOWARD DeF. WIDGER.....Director
A. B., Yale University
S. E. THOMAS.....History
A. M., University of Iowa
EARL R. K. DANIELS.....English
A. B., Clark College; A. M., University of Chicago
L. F. ASHLEY.....Manual Arts
B. S., Stout Institute
EARL H. HALL.....Geography and Biological Science
B. S., M. S., University of Chicago
CHARLES S. SPOONER.....Biological Science
A. B., Cornell University; A. M., University of Illinois
.....Psychology and Education
.....Arithmetic
MRS. ALICE RICHE THOMAS.....Music
LOIS F. SHORTESS.....Librarian
A. B., University of Wisconsin

Names of teachers, with the exception of training teachers,
are printed in the order of their engagement.

GENERAL INFORMATION

Purpose and Plan.—The summer term of the Eastern Illinois State Teachers College at Charleston begins on Monday, June 11. The first half term of six weeks closes on Friday, July 20. The second half term begins on Monday, July 23, and closes on Friday, August 31. Provision has been made to meet the needs of four classes of students:

1. Teachers of experience who wish to advance their professional or academic knowledge.

2. Supervisors and department teachers.

3. Those who are preparing to teach in schools that follow the Illinois Course of Study.

4. Those who wish to take regular work with a view to graduation from the Teachers College.

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 are presented. There are classes in reading, grammar, arithmetic, geography, history, and physiology, the purpose of each being to equip the student with material which he can use in his teaching. Opportunity is also afforded students to attend lectures on school government and to observe illustrative lessons in the Training School.

Admission.—All teachers and persons expecting to teach next year are admitted without examination. Undergraduates of high schools, unless they are teachers or are planning to teach next year or are high school seniors, are not admitted. The summer school is not the place for high school students to make up work in which they have failed. Students who expect to continue in the Teachers College are admitted in the usual way. Enrollment of students begins at eight o'clock, Monday morning, June 11. Class work begins Tuesday morning, June 12, at half past seven o'clock. Enrollment for the second half term begins at ten o'clock, Monday morning, July 23. Class work begins Tuesday, July 24.

Credit.—Credit 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 credit means a term of twelve weeks in a subject requiring preparation and reciting five times a week. Fractional credits in unrelated courses cannot be offered as making a credit toward graduation. Students are urged to read carefully the description of the courses in order to choose wisely those suited to their needs and to their ability. Two credits may be earned in each half term; it is not advisable to attempt to earn more than two credits in a half term.

Renewal of Certificates.—A certified statement of professional training is required for the second renewal of a second

grade elementary school certificate. For the eighteen weeks' work required by law, six credits are necessary. Two of these credits may be earned in a six weeks' term. No additional credit is earned by taking for the second time a course in which the student has already received a passing grade.

Expenses.—No tuition is charged for the summer session to those who are to teach in Illinois. An incidental fee of one dollar for each half term covers all expenses in the zoölogical, botanical, physical, and chemical laboratories, in the library, and in other departments of the school. A small fee is charged to cover material in drawing, manual training, and home economics. All necessary text-books are rented to students of the summer school for one dollar for each half term of six weeks.

Board and room in Pemberton Hall cost \$7.00 a week; board costs \$5.00 a week. In private families, the cost is about the same. A committee from the faculty and students assists students in selecting boarding places and rooms.

Following is an estimate of expenses for a six weeks' term:

Incidental fee.....	\$ 1.00
Book rent.....	1.00
Recreation fee	1.00
Board for six weeks.....	30.00
Room rent six weeks, two in room, each..	12.00
Laundry	3.00

Total.....\$48.00

Registration.—Directions for registering on Monday, June 11, 1923, 8:00 to 12:00 a. m. and 1:30 to 5:00 p. m. and for the second term on Monday, July 23, at 10:00 a. 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. Students who marked programmes at the close of the spring term will find them at the information desk.
3. Present enrollment blank for inspection at the information desk, where you will be told the name and room number of your faculty adviser.
4. Pay incidental fee (\$1.00), book rent (\$1.00), and recreation fee (\$1.00), or leave scholarship at the cashier's office and pay the recreation fee, (\$1.00).
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.) Students who filled blanks at the close of the spring term will find them on file at the text-book library. Fees should be paid at the cashier's office before students go to the text-book library for books.
6. Present at the desk in the text-book library your enrollment blank, cashier's receipt, and directory card and receive your text-books.
7. Report for regular class work at 7:30 on Tuesday morn-

ing, June 12, for the first half term; on Tuesday, July 24, for the second half term.

8. Keep a marked copy of your programme, and have it with you if you need to make any requests for changes in it.

Announcements.—Morning exercises are held in the assembly hall daily at 9:10.

The assembly hall is a study room during all class period from 8:20 to 3:40 p. m.

Students entering after Monday will go to the office.

Every student should leave his Charleston address at the postoffice. Mail is not delivered to students at the school.

Training School.—Opportunity is offered for observation in the first seven grades and in a rural school. The teaching is done by the training teachers, who also give courses in special methods. The session of the Training School is from ten to twelve o'clock. Those who wish to observe work in the Training School should reserve the 11:20 period as well as the period for the corresponding courses in general observation and special methods. Special lessons in connection with the observation courses are given at 11:20 and all students in these courses must be free so as to see the lessons for their group even though they may regularly observe at some other period between ten and twelve.

In the Training School, promotions are made at the close of the summer term.

With the exception of Section I of the first grade, pupils classified in a given grade have been in that grade during the past year.

A limited number of students entitled to sophomore standing in the Teachers College may take practice teaching. Requests for permission should be sent to the Director of the Training School at least one week before the opening of the summer term. A statement of the student's classification in the Teachers College or credits to be submitted for classification, and a statement of previous teaching experience should accompany the request.

A full explanation of the courses in practice teaching is found under Education in the Description of Courses.

Pemberton Hall.—Room and board can be secured in this building by one hundred teachers at \$7.00 a week, and board by about fifty more at \$5.00 a week. Applications for rooms are 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 Pemberton Hall is the gymnasium, a well-lighted and ventilated room, equipped with Swedish apparatus, stall-bars, climbing ropes and ladders, horizontal and vertical window ladders, jumping standards, vaulting box and horse, and two Swedish booms. 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 basket-

ball grounds, and several tennis courts. The equipment of the gymnasium and playground will interest teachers of physical education and public school teachers who are seeking knowledge on this subject.

Laboratories.—The botanical and zoölogical laboratories offer opportunities for experimental work and for verification of established facts of life. 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 observation and for obtaining laboratory materials are offered by a small lake, a lily pond, and a forestry of six thousand trees, all of which are within five minutes' walk of the biological laboratories. The laboratories of physics and chemistry contain the best of apparatus, essential to higher work, as well as many inexpensive and practical devices which can easily be reproduced in the grade or country school. The Manual Arts Building, and the laboratories for home economics and agriculture are adequately equipped. The school has a four-inch equatorial telescope which is of special interest to teachers of geography.

School Garden.—An opportunity is given of seeing the work done by pupils of the Training School in agriculture. Small plots of ground are planted and cared for by pupils under the direction of the gardener and the teacher. 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.

Library.—The library, containing more than 25,000 books and pamphlets, is open to all summer school students. During the summer school of 1922 books on the following subjects were exhibited:

- Physical education and games.
- Stories and story telling.
- Books for primary teachers.
- Books for rural school teachers.
- 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 childrens' books are provided and conferences with the librarian are arranged. An elementary course in the use of the library is offered this summer. Information as to this course is given in the Description of Courses.

Recreation.—In charge of the Directors of Recreation, there are pleasant evenings of singing, story-telling, games, and the presentation of plays.

Entertainment.—Students of both summer terms have the privilege of viewing high class moving pictures in the college auditorium. Ample equipment of the finest apparatus obtainable has been installed for this purpose.

Regular School Year.—The first term of the college year of 1923-1924 will begin Monday, September 10, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.

SUMMER SCHOOL PROGRAMME

EXPLANATORY NOTES

A student may complete two credits in each half term. It is not advisable to attempt to complete more than two credits in a half term.

Courses marked with an asterisk are double courses, completing in six weeks the work of twelve weeks.

Students are urged to read carefully the description of a course before deciding to take it.

The Training School is in session from ten to twelve. Those who wish to observe the work are required to reserve the 11:20 period.

The programme for the second half term may be found on the last page of this bulletin.

Courses numbered 1-19 count only below the freshman year of the College unless otherwise stated in the description of the course. Courses numbered 20-29 are required in one or more of the curriculums for graduates of recognized four-year high schools and are elective in any curriculum in which they are not required. Courses numbered 30 or above are elective for college students. The numbers of courses in the summer bulletin are the same as in the annual catalogue, but the numbers of courses not offered in the regular school year have not been changed. A letter added to the number of a course indicates that the course covers only a part of the course for which the number stands.

The work of the regular two-year diploma curriculum follows:

Freshman Year

Psychology 20, 21, 22	Reading 24
English 20, 21, 22 (or 24)	Drawing 24
Arithmetic 20, 21	Penmanship 20
Biology 22 or 24 or 25	Library 20
Geography 20	Physical Education

Sophomore Year

Education 20, 21	Geography 21
Teaching 20, 21, 22	(or English 23)
History 20, 21	Hygiene 20
Music 24	Elective (one credit)
Manual Arts 24 or 25	Physical Education

Note: The completion of the work of the freshman year entitles the student to recommendation for a second grade certificate without examination.

The completion of the sophomore year entitles the student to the diploma of the Junior College and to a first grade certificate.

1. A credit is the amount of work done in a prepared subject reciting five periods a week for a term of twelve weeks.

2. Each subject has five fifty-minute periods a week unless otherwise indicated by a number in parentheses; but laboratory sciences have five sixty-minute periods; manual arts and home economics require ten periods a week for full credit. In each five period course, there is one unassigned recitation a week.

3. Students who have had a year of geography in this school substitute elective credits for Geography 20, 21. Students who are graduates of this high school, substitute an elective credit for biology. Those who have not had in high school a year of botany or zoology with laboratory work are advised to take a second term of biology. This second term counts as an elective credit.

4. Physiology 20 or the equivalent is prerequisite to Hygiene 20. A student who has not had the prerequisite may take Physiology 20 and count it as elective.

5. Since the numbers of courses in the summer bulletin are the same as those of the courses listed in the two-year curriculums, no table of equivalents is necessary.

The Teachers College consists of the Junior College and the Senior College, each offering two years of work. Fifteen units of work in a recognized high school are required for admission to the Junior College. The work of the Junior College leads to a diploma which gives a "first grade elementary school certificate, valid in the first ten grades of the common schools of the county"; or to a special diploma in agriculture, art, home economics, manual arts, or music; or it admits the student to the Senior College. The work of the Senior College leads to the degree of Bachelor of Education and aims to prepare high school teachers, principals, superintendents, supervisors, department teachers, and teachers of special subjects, as home economics and manual arts. Twenty-four credits are required for graduation from the Junior College and twenty-four additional credits for graduation from the Senior College. In addition to the required number of credits, physical education, penmanship, and work in the use of the library are required.

The following curriculums are offered:

I. Two-Year Curriculums (24 credits) for preparation of teachers for the grades, or of special teachers of agriculture, art, home economics, manual arts, or music.

II. Four-Year Curriculums (48 credits each) for preparation of the following:

1. Primary Teachers.
2. Intermediate Teachers.
3. Grammar Grade Teachers, High School Teachers, and

Teachers of Special Subjects:

- | | |
|---------------------|-------------------------|
| A. Agriculture | G. Home Economics |
| B. Art and Design | H. Manual Arts |
| C. English | I. Mathematics |
| D. Foreign Language | J. Music |
| E. Geography | K. Science (Biological) |
| F. History | L. Science (Physical) |

4. Supervisors and Principals.

High School graduates may complete a two-year curriculum for preparation of teachers for the grades by attending one school year of three terms and three summer terms of twelve weeks each. They may be recommended for a second grade certificate without examination for the school year preceding the last summer term.

COURSES OFFERED

Agriculture.—Agronomy, Animal Husbandry, Agricultural Extension, Agriculture for Teachers of Rural Schools.

Art.—Elementary Drawing, Advanced Drawing, Design, Methods.

Education.—Methods and Observation in Graded Schools and in Rural Schools, Pedagogy, Special Methods, School Management, Teaching.

English.—Orthography, Composition, Grammar, Literature, Methods, Children's Literature, Contemporary Literature, American Literature.

Geography.—Physiography, Human Geography, North America, Asia, Geology.

History and Government.—American History, European Background of American History, The History of Europe, Illinois, State and Local Government, The Federal Government of the United States.

Home Economics.—Domestic Art, Domestic Science.

Library Use.

Manual Arts.—Construction Work, Woodwork, Mechanical Drawing, Architectural Drawing, Pattern Making.

Mathematics.—Algebra, Arithmetic.

Music.—Public School Music.

Penmanship.

Physical Education.—Athletic Coaching, Folk Dancing, Gymnastics and Games, Hygiene.

Psychology.—Scope and Method, Mental Elaboration.

Reading.—Reading, Methods.

Science.—Botany, General Science, Geology, Human Physiology, Hygiene, Physics, Zoölogy.

DESCRIPTION OF COURSES

AGRICULTURE

7a. Agriculture for Rural School Teachers.—This course is planned as a basis for teaching agriculture in rural schools. One-half of a credit.

First half term:

9:40, Room 12T, Mr. Moore.

8a. Agricultural Extension.—This course is for rural school teachers. It deals with the rural community and its organization. One-half of a credit.

First half term:

10:30, Room 12T, Mr. Moore.

30a. Agronomy.—Farm Crops. Requirements and cultural methods. Control of insect, weed, and disease enemies. Special reference to wheat, oats, alfalfa, and corn. One-half of a credit.

First half term:

7:30, Room 12T, Mr. Moore.

34a. Animal Husbandry.—Principles of Feeding. Classification of feed stuffs and nutrients. Feeding standards. Balanced rations. Compounding rations for common farm animals. One-half of a credit.

First half term:

8:20, Room 12T, Mr. Moore.

ART

At least one hour's work a day, outside of class, is required in all courses in art.

24. Elementary Drawing.—The course includes lettering, composition, poster work with emphasis on perspective, object drawing, design, and color harmony.

24a. First Half of Course 24.—One-half of a credit.

First half term:

Section I. 9:40, Third floor east, Miss Messer.

Section II. 8:20, Third floor east, Miss Messer.

24b. Second Half of Course 24.—One-half of a credit.

First half term:

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

Section II. 7:30, Third floor east, Miss Messer.

31a. Advanced Drawing.—Perspective, composition, poster work in pencil, ink, and color. One-half of a credit.

First half term:

8:20, Third floor east, Miss Messer.

33a. Design.—Study of color, principles of design, problems involving principles of rhythm, balance and harmony.

First half term:

10:30, Third floor east, Miss Messer.

33b. Design, continued.—More direct application to decorative art and materials. Wood block printing, batik, leather and decorating common objects.

First half term:

11:20, Third floor east, Miss Messer.

37a. Method in Drawing, Grades I-IV.—The course includes a discussion of the value of art in education; its relation to other subjects and to industries; methods of teaching drawing in the elementary grades and the planning of lessons. One-half of a credit.

First half term:

7:30, Third floor east, Miss Messer.

EDUCATION

The courses in education are of two kinds: Courses 1, 21a, and 4 deal with the principles underlying class room organization, management, and instruction; Courses 3, 5, 6, 7, 8, 9, 10, and 11 are for observation and discussion of the details of management and instruction, emphasis being placed on methods of instruction. Course 21a is equivalent to the first half of Education 21, school management. Course 4 is open only to those who take one of these courses: Course 5, 6, 7, 8, 9, 10, 11. Students taking Course 5, 6, 7 or 8 are required to take Course 4, Section I, and those who take Course 9, 10, or 11 are required to take Course 4, Section II. Course 4 with any one of these courses gives one-half of a credit in Observation 24, one credit being the maximum credit for two or more of these combined courses. The Training School is in session from ten to twelve. Students taking Observation 4 need to keep the 11:20 period free.

1. Rural School Methods and Management.—The class discusses the work of a one-room school in which many grades are taught. The subject matter planned in the State Course of Study and other matters vital to the management and instruc-

tion of a rural school are presented. One-fourth of a credit when offered with Observation 3 (making one-half of a credit for the two courses combined). This credit counts only toward the renewal of a second grade certificate.

First half term:

Section I. 3:40, Room 6, Tuesdays and Thursdays, Miss Cassady.

Section II. 3:40, Room 6, Wednesdays and Fridays, Miss Larsen.

3. Rural School Observation.—Students spend fifty minutes each day watching regular class room work with a group of pupils ranging in age from five to fifteen years. In Course 1, these exercises and others suggested in the State Course of Study are discussed. One-fourth of a credit when offered with Observation 1 (making one-half of a credit for the two courses combined). This credit counts only toward the renewal of a second grade certificate.

First half term:

Section I. 10:30-11:20, Room 6, Miss Cassady.

Section II. 11:20-12:10, Room 6, Miss Cassady.

Section III. 10:30-11:20, Room 29, Miss Larsen.

Section IV. 11:20-12:10, Room 29, Miss Larsen.

4. General Observation.—This course gives an opportunity to study school problems through directed observation of the work done in the Training School. Besides individual observation of school routine and discipline, lessons for class observation and discussion are given in the various subjects by the training teachers. Only students of College standing, or those who have taught at least one year, should take this course. The class meets daily for observation and discussion. Students need to keep the 11:20 period free for the observation of special lessons. One-fourth of a credit, Observation 24, when offered with Course 5, 6, 7, 8, 9, 10, or 11 (making one-half of a credit for the two courses combined). Students who have had Observation 24 or Psychology 22 may take the methods courses without Observation 4 but with no additional credit.

First half term:

Section I. The first four grades, 2:50, Tuesdays and Thursdays, Room 7T, Mr. Allen.

Section II. The second four grades, 3:40, Wednesdays and Fridays, Room 7T, 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 includes problems of room 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 form a part of the work of the class. Section I discusses methods of teaching pu-

pils who are beginning the first grade; Section II discusses methods of teaching pupils who are finishing the first grade. One-fourth of a credit, Observation 24, when offered with Section I of Course 4, (making one-half of a credit for the two courses combined).

First half term:

Section I. 2:50, Wednesdays and Fridays, Room 5T, Miss Morse.

Section II. 2:50, Wednesdays and Fridays, Room 2T, Miss Geddes.

6. Special Methods and Observation, Grade II.—This course consists of talks on methods of teaching reading, arithmetic, language, spelling, hand work, and games. Illustrative lessons in each of the subjects are given. Special emphasis is placed upon phonics and written language. Material and methods to be used in this grade are discussed by training teacher and observers. One-fourth of a credit, Observation 24, when offered with Section I of Course 4, (making one-half of a credit for the two courses combined).

First half term:

2:50, Wednesdays and Fridays, Room 8T, Miss ———.

7. Special Methods and Observation, Grade III. This course consists of talks on methods of teaching reading, arithmetic, language, spelling, music, and hand work. Illustrative lessons in each of the subjects are given. Special emphasis is placed upon written language, dramatizing, and folk games. Material to be used in the work of this grade is discussed and suggestive lists of stories for language, stories for dramatizing, and games are given. One-fourth of a credit, Observation 24, when offered with Section I of Course 4, (making one-half of a credit for the two courses combined).

First half term:

2:50, Wednesdays and Fridays, Room 3T, Miss ———.

8. Special Methods and Observation, Grade IV.—In this course emphasis is placed on the study lesson as a preparation for independent study. Methods in reading, literature, language, arithmetic, and geography are discussed and illustrated by lessons given in the fourth grade. Lessons illustrating the study of pictures are given. Poems are studied and committed to memory. Dramatization is used in connection with reading lessons for the purpose of improving expression in oral reading. Other lessons emphasize speed in silent reading. Some of the lessons in language illustrate the organization of subject matter. They make use of this ability to organize subject matter in doing supplementary reading for topics assigned for study in some of the geography lessons. One-fourth of a credit, Observation 24, when offered with Section I of Course 4, (making one-half of a credit for the two courses combined).

First half term:

2:50, Wednesdays and Fridays, Room 4T, Miss Lawrence.

SUMMER SCHOOL PROGRAMME, 1923

FIRST HALF TERM

Morning Exercises, Assembly Room, Main Building, 9:10 to 9:40
 Training School Session, Training School Building, 10:00 to 12:00
 Rural School Session, Main Building, Room 6 and Room 29, 10:00 to 12:00

7:30-8:20	8:20-9:10	9:40-10:30	10:30-11:20	11:20-12:10	2:00-2:50	2:50-3:40	3:40-4:30
Psychology 20* Mr. R. 17	Psychology 21* Mr. R. 17	Pedagogy Mr. R. 17	Teaching 20a, 21a or 22a (10:00-11:00) Mr. Allen T	I. Observation 4* II. Observation 4* T	Psychology 20* Mr. R. 17	Psychology 21* Mr. R. 17	I. Methods 1* Tu. Th. Miss Cassidy R. 6
	Education 21a Mr. Allen R. 29	Library XI. Wed. Fri. Miss Booth R. 18	I. Observation 3* Miss Cassidy R. 6	II. Observation 3* Miss Cassidy R. 6		I. Observation Tu. Th. 4* Mr. Allen R. 7T	II. Observation Wed. Fri. 4* Mr. Allen R. 7T
Music 24a Miss Major 3rd floor east	Music 37a Miss Major 3rd floor east		III. Observations 3* Miss Larsen R. 29	IV. Observation 3 Miss Larsen R. 29		I. Methods 5 Wed. Fri. Miss Morse R. 5T	II. Methods 1* Wed. Fri. Miss Larsen R. 6
Folk Dancing 21 Miss Woody G	Physical Education 30a Miss Woody G	Primary Games 20 Miss Woody G				II. Methods 5 Wed. Fri. Miss Geddes R. 2T	Methods 9 Tu. Th. Miss Forde R. 5T
English 24* Miss McKinney R. 30	I. English 22b Miss McKinney R. 30		II. English 22b Miss McKinney R. 30		English 24* Miss McKinney R. 30	Methods 6 Wed. Fri. Miss R. 8T	Methods 10 Tu. Th. Miss R. 6T
I. English 22a Mr. Widger R. 10	English 38a Mr. Widger R. 10	English 38b Mr. Widger R. 10	III. English 22a Mr. Widger R. 10			Methods 7 Wed. Fri. Miss R. 3T	Methods 11 Tu. Th. Miss R. 7T
I. English 1, 2* (Grammar) Miss Daringer R. 39	II. English 22a Miss Daringer R. 39	English 34a Miss Daringer R. 39			I. English 1, 2* (Grammar) Miss Daringer R. 39	Methods 8 Wed. Fri. Miss Lawrence R. 4T	
I. English 21* Miss Ragan R. 40	II. English 1, 2* (Grammar) Miss Ragan R. 40	English 17 (Orthography) Miss Ford R. 8S			I. English 21* Miss Ragan R. 40	II. English 1, 2* (Grammar) Miss Ragan R. 40	
	III. English (Grammar) 1, 2* Mr. Daniels R. 27	English 25a Mr. Daniels R. 27	English 20a Mr. Daniels R. 27			III. English 1, (Grammar) 2* Mr. Daniels R. 27	
	II. English 21* Miss Neal R. 24	English 21a Miss Neal R. 24	English 21b Miss Neal R. 24			II. English 21* Miss Neal R. 24	
Algebra 3a Miss Ford R. 18	Algebra 3b Miss Ford R. 18	I. Reading 24a Miss Orcutt R. 36	I. Reading 24b Miss Orcutt R. 36		II. Reading 24a Miss Orcutt R. 29	II. Reading 24b Miss Orcutt R. 29	
Algebra 1*		Algebra 2*					Coaching 33a Mr. Lantz R. 23
Mr. Lantz R. 23	Mr. Lantz R. 23	Mr. Lantz R. 23	Mr. Lantz R. 23				
Arithmetic 20a	Arithmetic 21a	Arithmetic 21b	Arithmetic 20b				

I. Arithmetic Miss Cant R. 38 20*	I. Arithmetic Miss Cant R. 38 21*				I. Arithmetic Miss Cant R. 38 21*	I. Arithmetic Miss Cant R. 38 21*
II. Arithmetic Miss Sutton R. 25	II. Arithmetic Miss Sutton R. 25				II. Arithmetic Miss Sutton R. 25 20*	II. Arithmetic Miss Sutton R. 25 20*
III. Arithmetic R. 11 21*	IV. Arithmetic R. 11 21*				III. Arithmetic R. 11 21*	IV. Arithmetic R. 11 21*
III. Arithmetic R. 7T 20*		IV. Arithmetic R. 11 20*			III. Arithmetic R. 7T 20*	IV. Arithmetic R. 11 20*
Illinois 9a Mr. Thomas R. 35	History 31* Mr. Thomas R. 35	Government 1a Mr. Thomas R. 35	Government 2a R. 35	I. History 8a R. 35		History 31* Mr. Thomas R. 35
History 34* R. 9	History 13a R. 9		II. History 8a (Methods) R. 9	History 7a (Methods) R. 9	History 34* R. 9	History 13b R. 9
I. Penmanship 20 R. 16	Geography 21* Miss Weller R. 16	Geography 20* Miss Weller R. 16	II. Penmanship 20 R. 16	III. Penmanship 20 R. 16	IV. Penmanship 20 R. 16	Geography 21* Miss Weller R. 16
Geography 30a R. 6	Geology 45* R. 6	Geography 33a R. 10				Geography 45* R. 6
Agriculture 30a Mr. Moore R. 12T	Agriculture 34a Mr. Moore R. 12T	Agriculture 7a Mr. Moore R. 12T	Agriculture 8a Mr. Moore R. 12T			
Physics 1a* Mr. Crowe R. 37	Physics 1b* Mr. Crowe R. 37		General Science Mr. Crowe 4a R. 37		Physics 1a* Mr. Crowe R. 37	
Botany 3*		Botany 2				
Mr. Hall 3rd floor west		Mr. Hall 3rd floor west				
Zoology 1*					Zoology 6* Zoology 43*	
Mr. Spooner 3rd floor west					Mr. Spooner 3rd floor west	
Hygiene 20a Dr. Seymour 3rd floor west	Hygiene 20b Dr. Seymour 3rd floor west	Dr. Seymour 3rd floor west				
II. Drawing 24b Drawing 37a Miss Messer	II. Drawing 24a Drawing 31a 3rd floor east	I. Drawing 24a Miss Messer	I. Drawing 24b Drawing 33a Miss Messer	Drawing 33b Miss Messer		
Domestic Science 30* Domestic Science 32* Miss R. 11T		Domestic Art 30*, 32* Domestic Art 33*, 34*, 35* Miss R. 11T				
Manual Arts 46a*		I. Manual Arts 24b Mr. Ashley M	II. Manual Arts 24b Mr. Ashley M		I. Manual Arts 24a Mr. Ashley M	II. Manual Arts 24a Mr. Ashley M
Manual Arts 36a*		Manual Arts 30*, 31*, 32* Manual Arts 49* Mr. Wilson M			Manual Arts 33* Mr. Wilson M	

*Two periods. These courses complete in 6 weeks the work of 12 weeks.

The number of the room is indicated in the lower right hand corner of each space. The letter T indicates that the room is in the Training School; M in the Manual Arts Building; G in the Gymnasium. Drawing and music classes are held in the east end of the third floor of the Main Building.

A Roman numeral preceding a course indicates the section of the class.

An Arabic numeral after a course indicates the number of the course as outlined in the Description of Courses. The programme for the Second Half Term may be found on the last page of the Summer Bulletin.

9. Special Methods and Observation, Grade V.—This course includes methods of teaching the various subjects of the fifth grade and typical lessons in those subjects, emphasizing also training in habits of study. One-fourth of a credit, Observation 24, when offered with Section II of Course 4, (making one-half of a credit for the two courses combined).

First half term:

3:40, Tuesdays and Thursdays, Room 5T, Miss Forde.

10. Special Methods and Observation, Grade VI.—Methods, discussions, and observations of the work of the sixth grade. One-fourth of a credit, Observation 24, when offered with Section II of Course 4, (making one-half of a credit for the two courses combined).

First half term:

3:40, Tuesdays and Thursdays, Room 6T, Miss———.

11. Special Methods and Observation, Grade VII.—Methods, discussions, and observation of the work of the seventh grade. One-fourth of a credit, Observation 24, when offered with Section II of Course 4, (making one-half of a credit for the two courses combined).

First half term:

3:40, Tuesdays and Thursdays, Room 7T, Miss———.

12. Pedagogy.—The course deals with the application of scientific principles to the solution of problems of instruction and class management. Consideration is given to the aims of elementary education, to the development of the curriculum, and to the pedagogy of the common school subjects. The arrangement of the class room programme, the question of adequate records, the assigning of marks, and problems of discipline are discussed. One-half of a credit but only toward the renewal of a second grade certificate.

First half term:

9:40. Room 17.

21a. School Management.—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, are discussed. Methods for securing study and attention to the recitation and the conditions determining desirable class activity are emphasized. Prerequisite, Psychology 20 and 21, or experience in teaching. One-half of a credit.

First half term:

8:20, Room 29, Mr. Allen.

21b. School Management.—One-half of a credit.

Second half term:

8:20, Room 17.

20a, 21a, 22a. Teaching.—This is the regular course in practice teaching. Its primary purpose is to develop skill in

teaching through experience in class instruction under the direction of a training teacher. Students entitled to sophomore standing in the Teachers College may apply to the director of the Training School at least a week before the opening of the summer school for permission to take this course. One-half of a credit.

First half term:

10:00-11:00, Training School, Mr. Allen.

ENGLISH

1, 2. Grammar in the Illinois Course of Study, Seventh and Eighth Years.—This course covers the work outlined in the State Course of Study. It is designed especially for those wanting a brief review of the subject in preparation either for teaching or for taking an examination. One credit. Accepted for English 21.

First half term:

Section I. 7:30 and 2:00, Room 39, Miss Daringer.

Section II. 8:20 and 2:50, Room 40, Miss Ragan.

Section III. 8:20 and 2:50, Room 27, Mr. Daniels.

Second half term:

8:20 and 2:50, Room 27, Mr. Daniels.

17. Orthography and Word Analysis.—This course deals with the work outlined in the State Course of Study under the headings, "Spelling," which deals with the work of the lower grades and "Orthography," which considers the work of the seventh and eighth grades. The work in word analysis aims at a better understanding of English words.

First half term:

9:40, Room 38, Miss Ford.

20. Composition.—Course 20 is intended primarily to insure a fairly adequate equipment in English to prospective teachers. Clearness in thought and expression; with correctness in grammar and spelling, is insisted upon. Further work is required of all who, upon completing the course, fail to meet a definite standard of proficiency, this proficiency to be attested by the work done not only in the English class, but in all others. This course is open only to students of college rank who expect to take both English 20a and 20b this summer. It is offered in two parts, as follows:

20a. One-half of a credit only when followed by Course 20b, making one credit for the two courses combined.

First half term:

10:30, Room 27, Mr. Daniels.

20b. Prerequisite, Course 20a. One-half of a credit.

Second half term:

10:30, Room 27, Mr. Daniels.

21. A Study of the Sentence.—The purpose of the course is to give some mastery of the structure of the English sentence. No time is given to a discussion of parts of speech. Open only to students of college rank. One credit.

First half term:

Section I. 7:30 and 2:00, Room 40, Miss Ragan.

Section II. 8:20 and 2:50, Room 24, Miss Neal.

21a. The First Half of English 21.—This class is intended especially for students who expect to take **English 21b** in the second half of the summer term. One-half of a credit.

First half term:

9:40, Room 24, Miss Neal.

21b. The Second Half of English 21.—Students who are conditioned in **English 21** or who have had **English 21a**, or are pretty good in the understanding of the sentence, should choose this course. One-half of a credit.

First half term:

10:30, Room 24, Miss Neal.

Second half term:

9:40, Room 10, Mr. Widger.

22a. Children's Literature.—The main purpose of Courses 22a and 22b is to give an introduction to the field of literature for the grades with something of the purposes and the methods of teaching. In Course 22a, fable, folk-lore, myth, legend, romance are considered. One-half of a credit.

First half term:

Section I. 7:30, Room 10, Mr. Widger.

Section II. 8:20, Room 39, Miss Daringer.

Section III. 10:30, Room 10, Mr. Widger.

22b. Children's Literature.—See Course 22a. In Course 22b, poetry and modern stories are considered. One-half of a credit.

First half term:

Section I. 8:20, Room 30, Miss McKinney.

Section II. 10:30, Room 30, Miss McKinney.

Second half term:

7:30, Room 10, Mr. Widger.

24. Methods of Teaching Composition in the Grades.—This course covers the teaching of language work and composition in the grades as fully as time permits, including discussion of material, purposes, theme-topics, correcting compositions, and methods of teaching. It is designed to help teachers and also those preparing to take examinations in English for first and second grade certificates. One credit.

First half term:

7:30 and 2:00, Room 30, Miss McKinney.

25. Introduction to Literature.—The course is designed to give some understanding of the most common types of English

literature, including lyric and epic poetry, the essay, the novel, and the short story, through a study of selected masterpieces. Open only to students of college rank. Required in all four-year curriculums. One credit.

25a. One-half of a credit.

First half term:

9:40, Room 27, Mr. Daniels.

25b. One-half of a credit.

Second half term:

9:40, Room 27, Mr. Daniels.

38. **Readings in Contemporary Literature.**—This course introduces the student to some of the best in contemporary English and American literature. Open only to students of college rank or to teachers of experience. Elective in the junior college and accepted for English 25. One credit.

38a. **Prose:**—One half of a credit.

First half term:

8:20, Room 10, Mr. Widger.

38b. **Poetry:**—One-half of a credit.

First half term:

9:40, Room 10, Mr. Widger.

Second half term:

8:20, Room 10, Mr. Widger.

34. **American Literature.**—A survey of American literature from the beginning to the present. One credit.

34a. One-half of a credit.

First half term:

9:40, Room 39, Miss Daringer.

GEOGRAPHY

The courses offered in summer are arranged to cover, as far as possible, the work to be taught in the grades in the coming year, and at the same time to count for credit in the regular course. Course 1 is required work in the senior year of the High School; Courses 20 and 21 are college courses but Course 21 may be substituted for Geography 2; other courses are college electives.

1. **Physiography.**—This course covers work for the fourth year of the State Course of Study and helps to form a basis for all work in geography. It is not fourth grade geography or merely the work of the fourth year. It includes a study of land forms, of the work of air, water, ice, and internal forces in changing the earth's surface; and of the influence of these upon the distribution and lives of people. The interpretation

and use of topographic maps are a part of the course. One credit. Two hours daily.

Second half term:

9:40 and 2:50, Room 16, Mr. Hall.

20. Principles of Human Geography.—Required in the first year of the Teachers College. One credit. Two hours daily.

First half term:

9:40 and 3:40, Room 16, Miss Weller.

21. Climatology.—This course covers work for the seventh and eighth grades in the State Course of Study. It includes mathematical geography and a study of the circulation of the atmosphere and of climate. It forms a foundation for all regional geography. One credit. Two hours daily.

First half term:

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

30a. North America.—This course covers work for the fifth and sixth years of the State Course of Study. One-half of a credit.

First half term:

7:30, Room 6.

33a. Asia.—One-half of a credit.

First half term:

9:40, Room 10.

45. Geology.—One credit. Two hours daily.

First half term:

8:20 and 2:50, Room 6.

HISTORY AND GOVERNMENT

The elementary courses, 7a, 8a, 9a, 1b, and 2b, are planned for those preparing to teach in the grades. Students making one credit in each of the courses, 7a and 8a, and one-half of a credit in each of two of the three courses, 9a, 1a, and 2a, receive three credits of elective history and government in the fourth year of the high school course. In addition to the study of subject matter these courses include a discussion of methods of teaching and of the most useful aids for each course. Graduates of accredited high schools receive no credit for the above named courses. The advanced courses, 31, 32, 33, 34, and 35, are open to students of the college. They involve a broader and more intensive study of a shorter period of history. In addition to creditable class work, a considerable amount of library reading is required. Credits count for the required history in the Junior College, or as elective in the Junior College.

7a. American History to 1800.—A review of subject matter from the discovery and exploration through the organization of the national government; the selection of libraries for use in

history, and methods of history teaching. Illustrative lessons with seventh grade class. One-half of a credit. By special arrangement with the instructor, one credit may be made.

First half term:

(Methods). 11:20, Room 9.

8a. The History of the United States, 1800 to the Present.—

The western expansion and 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. The course is planned for teachers of history or supervisors of history teaching. It considers the teaching of history in the second year of Junior High Schools and in Senior High Schools. One-half of a credit. By special arrangement with the instructor one credit may be made.

First half term:

Section I. (Subject Matter). 11:20, Room 35.

Section II. (Methods). 10:30, Room 9.

9a. The History of Illinois.—The early French explorations and settlements, the English conquest, the conquest by George Rogers Clark, the territorial development and organization, the admission of Illinois as a State and its later political and industrial development. The relation of events in Illinois history to the broader movements in American history are kept constantly in mind. One-half of a credit.

First half term::

7:30, Room 35, Mr. Thomas.

13a. European Background of American History.—A review of the subject matter prescribed in the State Course of Study for the sixth grade, and a discussion of the best available texts and collateral reading, and of the methods especially adapted to the teaching of this course in the sixth grade. One-half of a credit for the renewal of a second grade certificate or for high school history.

First half term:

8:20, Room 9.

13b. A Continuation of Course 13a.—One-half of a credit for the renewal of a second grade certificate or for high school history.

First half term:

2:50, Room 9.

1a. State and Local Government.—A major part of the time is given to the study of the organization and functions of the state and local government in Illinois. But consideration is given to important points of difference in organization and practice in other states. One-half of a credit.

First half term:

9:40, Room 35, Mr. Thomas.

2a. The Federal Government of the United States.—Its organization and functions and present day problems; and the

relations of the state and federal government. One-half of a credit.

First half term:

10:30, Room 35.

The following courses count either as college electives or as required work in the sophomore year.

31. *The History of Europe, 1648-1815.*—One credit. Two hours daily.

First half term:

8:20 and 2:50, Room 35, Mr. Thomas.

32. *The History of Europe since 1815.*—Special emphasis is placed on the political and industrial changes in England, the revolutionary movement of 1848, the unification of Italy and of Germany, the colonial expansion and commercial rivalry of the important states of Europe, and the causes of the great war. One credit. Two hours daily.

Second half term:

8:20 and 2:50, Room 6, Mr. Thomas.

34. *The History of the United States, 1800-1865.*—One credit. Two hours daily.

First half term:

7:30 and 2:00, Room 9.

35. *The History of the United States, 1865 to the Present.*—One credit. Two hours daily.

Second half term:

7:30 and 2:00, Room 6, Mr. Thomas.

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.

Domestic Science.—Courses 30, 31, and 32 constitute one year's work. One and a half credits, elective. A laboratory fee of two dollars (\$2.00) is charged to cover the cost of the materials used in each of these courses.

30. 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. One-half of a credit. Two hours daily.

First half term:

7:30 to 9:10, Room 11T, Miss———.

32. This course includes a study of salads and salad dressings, croquettes, gelatin, bread, baking powder, flour, yeast, cakes, and pastry. One-half of a credit. Two hours daily.

First half term:

7:30 to 9:10, Room 11T, Miss———.

Domestic Art.—Courses 30, 31, and 32 constitute one year's work. One and a half credits, elective. A laboratory fee of thirty-five cents (\$.35) is charged to cover the cost of drafting paper and material used for models. Students furnish their own materials for garments.

30. 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. One-half of a credit. Two hours daily.

First half term:

9:40 to 11:20, Room 11T, Miss ———.

32. In this course pattern drafting is continued and to this is added the making of a dress, repairing garments, patching, darning, simple embroidery stitches, and suggestions for articles that would form suitable problems for elementary or rural school children. One-half of a credit. Two hours daily.

First half term:

9:40 to 11:20, Room 11T, Miss ———.

33. **Dressmaking.**—The making of dresses of silk and of wool. The choice and care of clothing. One-half of a credit. Two hours daily.

First half term:

9:40 to 11:20, Room 11T, Miss ———.

34. **Dressmaking and Textiles** (continued).—Discussion of selection of materials. The study of the commercial pattern. Discussion of drafting, cutting, and fitting of patterns. Prerequisite, Course 33. One-half of a credit. Two hours daily.

First half term:

9:40 to 11:20 Room 11T, Miss ———.

35. **Dressmaking and Textiles** (continued).—The making of summer dresses. Discussion of appropriateness in dress. The planning and the cost of a girl's wardrobe. Prerequisite, Course 34. One-half of a credit. Two hours daily.

First half term:

9:40 to 11:20, Room 11T, Miss ———.

LIBRARY USE

The aim of this course is to teach students to use the library with some degree of skill. Certain high school and college courses require considerable work in the library, including reading and looking up of references and assigned topics. To do this work with a wise expenditure of time and effort, students should know how to use the card catalogue, magazine indexes, and some reference books. Lessons, required of all students, are given to eleventh year students in the high school and to freshmen in the college. The course offered this summer is accepted for the work of either one of these classes.

XI. Use of the Library.—Instruction and problems in the use of the catalogue, dictionaries, encyclopedias, Readers' Guide, and reference books of geography, history, and biography. Accepted for Library 20 or Library XI.

First half term:

9:40, Wednesdays and Fridays, Room 18, Miss Booth.

MANUAL ARTS

24a. Primary Grade Handwork.—This course has been worked out to meet the needs of teachers and supervisors of primary grades in city and rural schools. The typical school room and its equipment are considered. Work in paper folding, paper weaving, cardboard construction and bookbinding. At least one hour's work outside of class is required. One-half of a credit. Two hours daily, one hour in class and one outside of class.

First half term:

Section I. 2:00, Manual Arts Building, Mr. Ashley.

Section II. 2:50, Manual Arts Building, Mr. Ashley.

24b. Primary Grade Handwork.—Reed and raffia basketry, wood work and clay work. Prerequisite, Course 24a. One-half of a credit. Two hours daily, one hour in class and one outside of class.

First half term:

Section I. 9:40, Manual Arts Building, Mr. Ashley.

Section II. 10:30, Manual Arts Building, Mr. Ashley.

25a. Toy Making.—This is a course of great value to teachers of the intermediate grades. It includes the making of toys, the study of woodworking tools, equipment for one-room schools, and other related topics. One-half of a credit. Two hours daily, one hour in class and one outside of class.

Second half term:

11:20, Manual Arts Building, Mr. Ashley.

30. Mechanical Drawing.—Practical working drawings based upon French and Svenson's "Mechanical Drawing" for high schools. This course is of value to men and women teachers in the junior high school or above and of special value to teachers of mathematics and manual arts. Prerequisite to all courses in manual arts except Course 24 and Course 25, but may be taken with Course 33 or Course 46. One-half of a credit. Two hours daily.

Both terms:

9:40 to 11:20, Manual Arts Building, Mr. Wilson, first half term; Mr. Ashley, second half term.

31. Mechanical Drawing.—Mechanical perspective and iso-

metric drawings of buildings and machines. Prerequisite, Course 30. One-half of a credit. Two hours daily.

Both terms:

9:40 to 11:20, Manual Arts Building, Mr. Wilson, first half term; Mr. Ashley, second half term.

32. Mechanical Drawing.—Machine drawing and design. Prerequisite, Course 31. One-half of a credit. Two hours daily.

Both terms:

9:40 to 11:20, Manual Arts Building, Mr. Wilson, first half term; Mr. Ashley, second half term.

33. Elementary Woodwork.—Prerequisite, Course 30, unless Course 30 is being taken with Course 33. One-half of a credit. Two hours daily.

First half term:

2:00 to 3:40, Manual Arts Building, Mr. Wilson.

Second half term:

7:30 to 9:10, Manual Arts Building, Mr. Ashley.

34. Joinery and Advanced Woodwork.—A study of various types of joints used in furniture construction. Application in type problems. Study of varieties of wood. Lectures, demonstration, and applications. Prerequisite, Course 33. One-half of a credit. Two hours daily.

Second half term:

7:30 to 9:10, Manual Arts Building, Mr. Ashley.

36. Elementary Cabinet Construction.—The course includes lectures on furniture design and the designing and making of a piece of furniture. Power woodworking machinery is used throughout the course. The course is given in two parts as follows:

36a. First Part.—One-half of a credit. Two hours daily.

First half term:

7:30 to 9:10, Manual Arts Building, Mr. Wilson.

36b. Second Part.—One-half of a credit. Two hours daily.

Second half term:

7:30 to 9:10, Manual Arts Building, Mr. Ashley.

46a. Pattern Making—This course includes the elements of wood pattern making with some foundry practice. Bench woodworking tools and some machine tools are used. It is a practical trade course, designed for teachers. One-half of a credit. Two hours daily.

First half term:

7:30 to 9:10, Manual Arts Building, Mr. Ashley.

46b. Pattern Making, (continued).—One-half of a credit. Two hours daily.

Second half term:

7:30 to 9:10, Manual Arts Building, Mr. Ashley.

49. **Architectural Drawing.**—Prerequisite, Course 32. One-half of a credit. Two hours daily.

First half term:

9:40 to 11:20, Manual Arts Building, Mr. Wilson.

50. **Architectural Drawing, Advanced.**—Prerequisite, Course 49. One-half of a credit. Two hours daily.

Second half term:

9:40 to 11:20, Manual Arts Building, Mr. Ashley.

A fee of \$1.00 is collected by the instructor for each one-half credit course, to cover the cost of certain materials used. Students in woodworking courses who wish to take home finished projects may do so by paying in addition for the wood used.

MATHEMATICS

Arithmetic

20. **Arithmetic for the First Six Grades.**—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. One credit. Two hours daily.

First half term:

Section I. 7:30 and 2:00, Room 25, Miss Sutton.

Section II. 8:20 and 2:50, Room 25, Miss Sutton.

Section III. 7:30 and 2:00, Room 7T.

Section IV. 9:40 and 3:40, R. 11.

Second half term:

8:20 and 2:50, Room 25.

20a. **Arithmetic in the First, Second, and Third Grades.**—In this course is discussed the work of the first three grades as outlined in the Illinois State Course of Study. The course includes a review of parts of the subject matter, and discussion of methods of teaching. One-half of a credit.

First half term:

7:30, Room 26, Mr. Taylor.

20b. **Arithmetic in the Fourth, Fifth, and Sixth Grades.**—In this course is discussed the work of the fourth, fifth, and sixth 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. One-half of a credit.

First half term:

10:30, Room 26, Mr. Taylor.

21. **Arithmetic for the Seventh and Eighth Grades.**—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 methods of instruction that can be readily adapted to the seventh and eighth grades. One credit. Two hours daily.

First half term:

Section I. 7:30 and 2:00, Room 38, Miss Cant.

Section II. 8:20 and 2:50, Room 38, Miss Cant.

Section III. 7:30 and 2:00, Room 11.

Section IV. 8:20 and 2:50, Room 11.

21a. **Arithmetic in the Seventh Grade.**—The work of the seventh grade as outlined in the Illinois State Course of Study is taken up in this course. The course gives a review of subject matter and discussion of methods of teaching. One-half of a credit.

First half term:

8:20, Room 26, Mr. Taylor.

Second half term:

7:30, Room 25.

21b. **Arithmetic in the Eighth Grade.**—The work of the eighth grade as outlined in the Illinois State Course of Study is taken up in this course. The course gives a review of subject matter and discussion of methods of teaching. One-half of a credit.

First half term:

9:40, Room 26, Mr. Taylor.

Second half term:

2:00, Room 25.

Algebra

1. This is a beginning course in algebra and covers algebraic notation, substitution and evaluation, the fundamental operations, the use of formulas, an introduction to graphs, and begins the study of equations of the first degree in one unknown. One credit. Two hours daily.

First half term:

7:30 and 8:20, Room 23, Mr. Lantz.

2. Important type products, factoring, highest common factor, lowest common multiple; fractions; simple equations in one unknown; ratio, proportion, and variation; graphs. One credit. Two hours daily.

First half term:

9:40 and 10:30, Room 23, Mr. Lantz.

3a. Simple equations in two or more unknowns; square root and its applications. One-half of a credit.

First half term:

7:30, Room 18, Miss Ford.

3b. Radicals and exponents; quadratic equations. One-half of a credit.

First half term:

8:20, Room 18, Miss Ford.

PUBLIC SCHOOL MUSIC

24. **Music Methods.**—A specific study of methods, including a study of the development, care, and preservation of the child voice and special practice in producing good tone patterns for children; it also includes discussion of materials for use in the grades. Some attention is paid to sight singing and ear training. Work outside of class is required in all courses in public school music. The course is given in two parts as follows:

24a. **First Part.**—One-half of a credit.

First half term:

7:30, Third floor east, Miss Major.

37a. **Primary Music Methods.**—The teaching of rote songs. How to help monotones. Development and care of the child voice. Repertoire of children's songs. The work of the first three grades is studied intensively. Prerequisite, Course 24 or the equivalent. One-half of a credit, accepted for Course 24b.

First half term:

8:20, Third floor east, Miss Major.

PENMANSHIP

20. 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. It is required in the junior year in all curriculums.

The course includes correct position, muscular movement exercises, business forms of capital letters, small letters, figures, sentences, and page writing. Emphasis is placed upon blackboard writing. One-fourth of a credit toward renewal of a second grade certificate.

First half term:

Section I. 7:30, Room 16.

Section II. 10:30, Room 16.

Section III. 11:20, Room 16.

Section IV. 2:00, Room 16.

PHYSICAL EDUCATION (MEN)

33a. Athletic Coaching.—The course includes football, basketball, and baseball. It consists of class room work, lectures, interpretation of the rules, the technique of the game. Note-books are kept and an examination is given. This course is helpful for those who have charge of athletics and it is not necessary to have athletic experience to take the course, as there is very little practical or outdoor work. A baseball team will be organized. One-fourth of a credit, as elective physical education or as required Physical Education 20.

First half term:

3:40, Room 23, Mr. Lantz.

PHYSICAL EDUCATION (WOMEN)

Three courses in physical education for women are offered, each counting one-fourth of a credit, but fewer than one and a half credits do not count toward graduation. The object of these courses is to give some knowledge and some 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.

20. Primary Singing Games, Dances, and Games.—This course is for teachers of the lower grades. All the dances and games are practiced and a record is kept of each. No gymnasium costume is required, but it is suggested that students wear a costume of bloomers (or full skirt), white middie blouse, and tennis shoes. One-fourth of a credit, or as required physical education.

First half term:

9:40, Gymnasium, Miss Woody.

21. Folk Dancing and Games.—This course is designed for teachers of the grammar grades and of the high school. It includes gymnastics and aesthetic dancing, dances of the nations and a record of each; games for the school room, playground, and gymnasium. A costume of bloomers, white middie blouse, and tennis shoes is required. One-fourth of a credit, or as required physical education.

First half term:

7:30, Gymnasium, Miss Woody.

30a. Physical Education.—This course includes Swedish calisthenics, dances and games suitable for the country school. There is some practice teaching in which sections of the class are used. No gymnasium costume is required, but it is suggested that the students use bloomers (or full skirt), white

middy blouse, and tennis shoes. One-fourth of a credit, or as required physical education.

First half term:

8:20, Gymnasium, Miss Woody.

PSYCHOLOGY

These courses are designed to give the student clear ideas of some of the elements of psychology, training in introspection and in the handling of experimental data, and skill in the application of psychological principles to the interpretation of human conduct and to the art of teaching. Titchener's "A Beginner's Psychology" is used as the fundamental text. The study of the learning processes is based upon Thorndyke's "Educational Psychology". The discussion of instinct, emotion, and volition follows McDougall's "Dynamic Psychology".

20. Introduction to Psychology.—The problems of psychology; the nervous system as it conditions consciousness and conduct; the general conditions under which the nervous mechanism is modified through experience; the laws of learning; sensation and imagery; attention; perception; association; memory; imagination; habit and the acquisition of skill. Two hours daily. One credit.

First half term:

7:30 and 2:00, Room 17.

21. Introduction to Psychology.—Original nature, instinct, and emotion; other drives to conduct; reasoning; volition; concept of self; consciousness and conduct as conditioned by group relationships; brief survey of the facts of abnormal psychology so far as they illuminate normal phenomena. Two hours daily. One credit.

First half term:

8:20 and 2:50, Room 17, Mr.

Second half term:

7:30 and 2:00, Room 17, Mr.

READING

24a. Reading.—Designed to improve the student's oral reading. Includes drill exercises and practice in reading before the class. Outside preparations and practice are required. One-half of a credit.

First half term:

Section I. 9:40, Room 36, Miss Orcutt.

Section II. 2:00, Room 29, Miss Orcutt.

24b. Methods.—Planned to give a knowledge of methods and devices used in teaching reading in the elementary schools. Outside preparation, including lesson plans on concrete lesson

material, library reading, and other work is required. One-half of a credit.

First half term:

Section I. 10:30, Room 36, Miss Orcutt.

Section II. 2:50, Room 29, Miss Orcutt.

SCIENCE (BIOLOGICAL)

Botany.—Courses 1, 2 and 3 are elementary courses, making up the first year's work in botany, required in the tenth year. Those who plan to complete the year's work in successive summers should elect Botany 3 this summer. Courses 30, 31 and 32 are elective courses, but any one of them may be taken as part of the biology required in the freshman year.

2. Morphology of Seed Plants.—The origin and development of the highest group of plants, including a study of the orders and common families of flowering plants. Prerequisite, Botany 1. One credit. Two hours daily.

First half term:

9:40 to 11:20, Third floor west, Mr. Hall.

3. Processes and Adjustments of Plants.—The ordinary activities of plants and their common relations to environment. The work includes physiological experiments, the study of structure as modified by varied exposure to external conditions, and the study of specialized parts of plants. One credit. Two hours daily.

First half term:

7:30 to 9:10, Third floor west, Mr. Hall.

31. The Local Flora.—Collection, identification, and preservation of plants growing in the vicinity of Charleston. The course develops an acquaintance with the common plant families and larger groups, with elementary treatment of their evolutionary relations. Prerequisite, at least one-half year of botany. One credit. Two hours daily.

Second half term:

7:30 to 9:10, Third floor west, Mr. Hall.

Zoölogy and Physiology.—The purposes of these courses are: (a) to acquaint students with the subjects, (b) to give them knowledge of the subject matter, (c) to give some ability to work independently in these fields, (d) to train them to judge data, and (e) to derive correct conclusions from them; in other words, to acquire ability to think properly in these subjects. As aids in this work, the laboratory has a large number of specimens for study, illustration, and reference; also charts, models, lantern slides, and necessary working equipment, including a compound microscope for each student. The school campus has a large and varied fauna, so that field work rarely needs to be done elsewhere.

Courses 1-6 may be taken as beginning courses. Courses 1

and 2 with Course 3, 4, 5, or 6 give credit for Zoölogy 1, 2, 3. Course 1, 2, 3, 4, 5, or 6 may be substituted for Biology 20.

1. Elementary Invertebrate Zoölogy.—Important groups of invertebrates are considered, as far as possible, in their evolutionary order. Particular emphasis is given to life processes, behavior, relation to surroundings, geographic distribution and importance to man. One credit. Two hours daily.

First half term:

7:30 to 9:10, Third floor west, Mr. Spooner.

6. Field Zoölogy.—Similar to Courses 3, 4, and 5, except that representatives of the three habitats, forest, prairie, and pond and stream, are studied. This permits the student in one summer to compare the animals and the conditions under which they live in the various habitats. One credit. Two hours daily.

First half term:

2:00 to 3:40, Third floor west, Mr. Spooner.

31. Advanced Zoölogy and Special Methods.—A study of fresh-water animals and their environment. Much attention is given to the common and important species of aquatic vertebrates with a view to familiarizing students with taxonomic and research methods; and opportunities for students carrying on some independent investigations are provided. It prepares for teaching biological science in upper grades or high school. Prerequisite, Zoölogy 1, 2. One credit. Two hours daily.

Second half term:

9:40 to 11:20, Third floor west, Mr. Spooner.

43. Advanced Zoölogy.—This course is arranged to meet the desires and attainments of the individual student. Considerable latitude is given in the choice of a problem, the aim being to encourage and develop ability to pursue original investigations. Frequent conferences with the instructor are held to discuss methods of approach and results. Prerequisite, two years of work in zoölogy or biology. One credit. Two hours daily.

First half term:

2:00 to 3:40, Third floor west, Mr. Spooner. (Under some conditions this time may be changed to suit the convenience of the student.)

44. Advanced Zoölogy, continued.—One credit. Two hours daily.

Second half term:

9:40 to 11:20, Third floor west, Mr. Spooner.

20. Human Physiology.—An understanding of the life-processes of the human body, their nature, their initiation, their co-ordination, their functions, and the conditions under which they are performed, is the main purpose of this course. Anatomy is studied only so far as necessary for the understanding of the bodily activities. One credit. Two hours daily.

First half term:

9:40 to 11:20, Third floor west, Dr. Seymour.

Hygiene.—Here an application of the facts learned in the study of human physiology is made so as to show pupils how the human body may be maintained at its maximum efficiency as a working machine. Both personal and public hygiene, including sanitation, are considered. Prerequisite, one-half year of high school physiology.

20a. Personal Hygiene.—One-half of a credit.

First half term:

7:30, Third floor west, Dr. Seymour.

Second half term:

8:20, Third floor west, Mr. Spooner.

20b. Public Hygiene.—One-half of a credit.

First half term:

8:20, Third floor west, Dr. Seymour.

Second half term:

7:30, Third floor west, Mr. Spooner.

SCIENCE (PHYSICAL)

Physics—This course includes the study of force, work, energy, and power; the laws of motion, machines, and the principles of buoyancy and hydraulics.

1a. Mechanics of Solids and Fluids.—Lectures and recitations. Open to those who have had one term of algebra. Two-thirds of a credit. Two hours daily.

First half term:

7:30 and 2:00, Room 37, Mr. Crowe.

1b. Mechanics of Solids and Fluids.—Laboratory work accompanying Course 1a. One-third of a credit.

First half term:

8:20, Room 36, Mr. Crowe.

GENERAL SCIENCE

4a. General Science.—The course follows Hessler's "The First Year of Science" and is offered for the benefit of those who are preparing to take the examination in general science as required for a second grade certificate.

First half term:

10:30, Room 37, Mr. Crowe.

THE REGULAR SCHOOL YEAR

The first term of the school year 1923-1924 will begin Monday, September 10, 1923, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.

SUMMER SCHOOL PROGRAMME--SECOND HALF TERM, 1923

	7:30-8:20	8:20-9:10	9:40-10:30	10:30-11:20	11:20-12:10	2:00-2:50	2:50-3:40
Mr. Widger	English 22b	English 38b	English 21b				
R. 10							
Mr. Daniels		English 1, 2*	English 25b	English 20b			English 1, 2*
R. 27		(Grammar)					(Grammar)
Mr.	Psychology 21*	Education 21b				Psychology 21*	
R. 17							
Mr. Thomas	History 35*	History 32*				History 35*	History 32*
R. 6							
Mr. Hall	Botany 31		Geography 1*				Geography 1*
	Third floor west		R. 16				R. 10
Mr. Spooner	Hygiene 20b	Hygiene 20a	Zoology 31*				
3rd floor west			Zoology 44*				
	Arithmetic 21a	Arithmetic 20*				Arithmetic 21b	Arithmetic 20*
R. 25							
Mr. Ashley	Manual Arts		Manual Arts		Manual Arts 25a		
M	33*, 34*, 36b*, 46b*		30*, 31*, 32*, 50*				

