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## Bulletin 107 - Summer Session 1930

Eastern Illinois University

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# **The Teachers College Bulletin**

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**Number 107**

**January 1, 1930**

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**Eastern Illinois State Teachers College**  
**AT**  
**CHARLESTON**

A Teachers College, Class A, in the American  
Association of Teachers Colleges

A College, List I, in the North Central Association  
of Colleges and Secondary Schools

## **ANNOUNCEMENT OF THE SUMMER QUARTER**

**TWELVE WEEKS**

**1930**

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*Summer Quarter:*

**First Six Weeks, June 7—July 18**

**Second Six Weeks, July 21—August 29**

# The Teachers College Bulletin

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PUBLISHED QUARTERLY BY THE EASTERN ILLINOIS  
STATE TEACHERS COLLEGE

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Entered March 5, 1902, as second class matter, at the postoffice at  
Charleston, Ill. Act of Congress, July 16, 1894.

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NO. 107

CHARLESTON, ILLINOIS

January 1, 1930

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TWELVE WEEKS

1930

A Teachers College, Class A, in the American Association  
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A College, List I, in the North Central Association of  
Colleges and Secondary Schools

### SUMMER QUARTER

FIRST SIX WEEKS, JUNE 7—JULY 18

SECOND SIX WEEKS, JULY 21—AUGUST 29

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Eastern Illinois State Teachers College at Charleston

(Printed by authority of the State of Illinois)

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## THE COLLEGE CALENDAR

1930

### SUMMER QUARTER, 1930 (TWELVE WEEKS)

#### First Six Weeks

Saturday, June 7, and

Monday, June 9, 1930.....Registration  
8:00-12:00 A. M.—1:30-5:00 P. M.

Friday, July 18, 12:10 Noon...First Half of the Summer Quarter Closes

#### Second Six Weeks

Monday, July 21, 8:00 A. M.....Registration

Friday, August 29, 12:10 Noon..2nd Half of the Summer Quarter Closes

### FALL QUARTER, 1930-1931

Saturday, September 6 and

Monday, September 8, 1930.....Registration

STATE OF ILLINOIS  
DEPARTMENT OF REGISTRATION  
AND EDUCATION

## THE NORMAL SCHOOL BOARD

---

### EX-OFFICIO MEMBERS

MICHAEL F. WALSH, Director of Registration and Education,  
Springfield, *Chairman*

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

---

### APPOINTED MEMBERS

1923-1929

Ernest E. Cole, Chicago

1925-1931

Frank M. Hewitt, Carbondale

N. M. Mason, Oglesby

1927-1933

Edgar B. Still, DeKalb

Mrs. M. K. Northam, Evanston

Charles E. McMorris, Marshall

1930-1936

Mrs. G. W. T. Reynolds, East St. Louis

Harriett A. McIntyre, Mendota

Albert E. Bailey, Macomb

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Under the provisions of the Civil Administrative Code for the consolidation of State agencies under the direction of the Governor, the five State Normal Schools 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 OF SUMMER QUARTER, 1930

LIVINGSTON C. LORD.....	President
A. M., Harvard University; LL. D., University of Illinois	
E. H. TAYLOR.....	Mathematics
A. M., Ph. D., Harvard University	
FRIEDERICH KOCH.....	Music
Conservatory of Music, Kassel, Germany	
ELLEN A. FORD.....	Algebra
A. B., A. M., Syracuse University	
ISABEL MCKINNEY.....	English
A. B., The University of Chicago; A. M., Columbia University	
SIMEON E. THOMAS.....	Social Science
Ph. B., Upper Iowa University; 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 Training School
A. B., Indiana University; A. M., Columbia University	
LAWRENCE F. ASHLEY.....	Manual Arts
B. S., Stout Institute	
RUTH E. MAJOR.....	School Music
B. S., Kansas State Normal School	
LENA B. ELLINGTON.....	History
A. B., Mississippi State College for Women; A. M., Columbia University	
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	
ORRA E. NEAL.....	English
Battle Creek College	
WAYNE P. HUGHES.....	Manual Arts
Stout Institute	
ERNEST L. STOVER.....	Botany
B. S., M. S., Ohio State University; Ph. D., The University of Chicago	
ORA L. RAILSBACK.....	Physics
A. B., A. M., Indiana University	
LILLIE S. THOMPSON.....	Home Economics
B. S., Stout Institute	
EUGENE M. WAFFLE.....	English
A. B., Indiana State Normal School	
ALICE M. DANIELS.....	Mathematics
A. B., University of Minnesota	
VICK L. LANGFORD.....	Manual Arts
B. S., Stout Institute	
FRANK A. BEU.....	Education
A. B., A. M., Northwestern University	
HALLIE B. WHITESEL.....	Fine and Applied Arts
B. Ed., Eastern Illinois State Teachers College	
ALICE MCKINNEY.....	Fine and Applied Arts
B. Ed., Eastern Illinois State Teachers College	
HARLAN L. HASSBERG.....	Music
Columbia School of Music	
EMILY R. ORCUTT.....	English
Ph. B., A. M., The University of Chicago	
LAURA J. PARKER.....	English
Ph. B., M. A., University of Vermont	
GLENN H. SEYMOUR.....	Social Science
A. B., A. M., Ph. D., University of Illinois	
NELS O. REPPEN.....	Education
A. B., A. M., University of Wisconsin	

WALTER M. SCRUGGS.....Biological Science  
     B. Ed., Eastern Illinois State Teachers College  
 BERNHARD P. HEUBNER.....Education  
     A. B. Knox College; A. M., Ph. D., University of Wisconsin  
 FRANKLYN L. ANDREWS.....English  
     Ph. B., The University of Chicago; M. A., University of Illinois  
 LORNA D. DIXON.....Mathematics  
     B. Ed., Eastern Illinois State Teachers College; M. A., Ohio State  
     University  
 CHARLES MCINTOSH.....Rural Education  
     Superintendent of Piatt County Schools  
 HELEN FERN DARINGER.....English  
     A. M., Columbia University  
 JUNE J. ASHLEY.....Manual Arts  
     Indiana State Normal School  
 IRENE HUSS.....Penmanship  
     A. B., Western State Teachers College, Gunnison, Colorado  
 R. J. SEYMOUR.....Physiology and Hygiene  
     M. D., Ohio State University  
 BERNICE DUNN.....Recreation Director  
 ICA MARKS.....Laboratory Assistant  
     B. Ed., Eastern Illinois State Teachers College; M. S., Ohio State  
     University  
 ALONZO F. GOLDSMITH.....Mathematics  
     B. Ed., Eastern Illinois State Teachers College  
 LENA L. BAKER.....Geography  
     Eastern Illinois State Teachers College  
 KATHRYN KROENLEIN.....Geography  
     B. A., M. A., University of Illinois  
 EDWIN T. SHEPPARD.....Education  
     A. B., Iowa State Teachers College; A. M., The University of  
     Chicago  
 OLIVER C. HOSTETLER.....Education  
     B. S., M. S., University of Illinois  
 J. H. GORE.....Education  
     M. A., The University of Chicago  
 GILBERTA COFFMAN.....Training Teacher, Sixth Grade  
     Indiana State Normal School  
 NINA F. ARNOLD.....Training Teacher, Fifth Grade  
     Winona State Teachers College  
 ELIZABETH SPRINGSTUN.....Training Teacher, Fourth Grade  
     Ph. B., The University of Chicago  
 FLORENCE E. GARDINER.....Training Teacher, Third Grade  
     Wisconsin State Normal School  
 GRACE GEDDES.....Training Teacher, Second Grade  
     Eastern Illinois State Teachers College; Columbia University  
 ANNA H. MORSE.....Training Teacher, First Grade  
     Illinois State Normal University; Columbia University  
 AGNES F. HATCH.....Training Teacher, Rural School  
 MARY J. BOOTH.....Librarian  
     A. B., Beloit College; B. L. S., University of Illinois  
 MAY SMITH.....Assistant Librarian  
     B. S., University of Illinois  
 HAZEL I. HICKS.....Assistant Librarian  
     Eastern Illinois State Teachers College  
 LILLIAN M. WATERS.....Student Assistant Librarian  
 LOUISE K. STILLIONS.....Student Assistant Librarian  
 CECILE L. BURKYBILE.....Student Assistant Librarian  
 KATHARINE ROMIZER.....Student Assistant Librarian  
 RUTH B. DUNN.....Secretary and Business Manager  
     B. A., Wellesley College; M. A., The University of Chicago  
 BLANCHE C. THOMAS.....Registrar  
 ELEANOR F. HAMMOND.....Stenographer  
 EDITH C. WILLSON.....Stenographer  
 CAROL L. BESTELAND.....Head of Pemberton Hall  
 ANGELINE K. SCHMITT.....Nurse  
 WALTER H. NEHRING.....Superintendent of Grounds  
     Missouri Botanical Gardens



# THE FACULTY

SECOND HALF OF SUMMER QUARTER, 1930

---

ALBERT B. CROWE.....	Hygiene
A. M., Hanover College	
SIMEON E. THOMAS.....	History and Government
Ph. B., Upper Iowa University; A. M., University of Iowa	
CHARLES P. LANTZ.....	Arithmetic
B. S., Gettysburg College	
HOWARD DeF. WIDGER.....	English
A. B., Yale University	
LAWRENCE F. ASHLEY.....	Manual Arts
B. S., Stout Institute	
CHARLES S. SPOONER.....	Zoology
A. B., Cornell University; A. M., University of Illinois	
WAYNE P. HUGHES.....	Manual Arts
Stout Institute	
ERNEST L. STOVER.....	Botany
B. S., M. S., Ohio State University; Ph. D., The University of Chicago	
H. HARRY GILES.....	English
A. B., Amherst College	
DOROTHY H. MOORE.....	Fine and Applied Arts
The Chicago School of Applied and Normal Art	
RUBY M. HARRIS.....	Geography
B. S., The University of Chicago	
GLENN H. SEYMOUR.....	Social Science
A. B., A. M., Ph. D., University of Illinois	
AILEEN E. COLLINS.....	English
Ph. B., The University of Chicago	
WALTER M. SCRUGGS.....	Biological Science
B. Ed., The Eastern Illinois State Teachers College	
JUNE J. ASHLEY.....	Manual Arts
Indiana State Normal School	
OLIVER C. HOSTETLER.....	Education
B. S., M. S., University of Illinois	
EDWIN T. SHEPPARD.....	Education
A. B., Iowa State Teachers College; A. M., The University of Chicago	
.....	Chapel Music
MAY SMITH.....	Librarian
B. S., University of Illinois	
LILLIAN M. WATERS.....	Student Assistant Librarian

# THE SUMMER QUARTER

## GENERAL INFORMATION

**Purpose and Plan.**—The summer quarter of the Eastern Illinois State Teachers College at Charleston begins on Saturday, June 7. The first half closes on Friday, July 18. The second half begins on Monday, July 21, and closes on Friday, August 29. Provision has been made to meet the needs of three classes of students:

1. Graduates of recognized four-year high schools who wish to begin preparation for teaching.

2. Sophomores who hold the provisional elementary certificate and wish to earn requirements for the limited elementary certificate; or to work toward the degree and the high school, the special, the supervisory, or the life elementary certificate.

3. Juniors or seniors who wish to continue work toward the degree and the high school, the special, the supervisory, or the life elementary certificate. Graduates of the Junior College are included in this group.

**Note.**—Under "Summer School Programme," schedules for each of these groups are discussed. The student should make his schedule not for one summer alone, but for the summers and the year or years needed to reach his objective.

**Admission.**—Graduates of recognized four-year high schools and holders of teachers' certificates are admitted to the summer quarter. Enrollment of students begins at eight o'clock, Saturday morning, June 7, and continues through Monday, June 9. Class work begins Tuesday morning, June 10, at a quarter past seven o'clock. Enrollment for the second half begins at eight o'clock, Monday morning, July 21. Class work begins Tuesday, July 22.

**Credit.**—The unit of measure, beginning with the year 1929-30, is the quarter hour, representing one hour a week of prepared work for twelve weeks when the student load of prepared work is sixteen hours a week. It is equivalent to two-thirds of a semester hour.

A year's work is equivalent to forty-eight quarter hours (thirty-two semester hours) of prepared work. A year's work in one subject is equivalent to twelve quarter hours (eight semester hours).

A Teachers College "credit" is equivalent to four quarter hours.

Instrumental music or voice work may be used for elective credit to the extent of twelve quarter hours (two years' work). No student may count toward graduation more than twelve quarter hours of instrument or voice work.

Credit is allowed for physical education, coaching theory (33, 34, 35, 36, 37, 38), and for Library 20 at the rate of one quarter hour for each quarter's work.

Credit is allowed for dramatics, College News, glee club, quartette, orchestra, and band at the rate of one quarter hour to those reported to the office for such credit at the close of each quarter by the directors of these organizations who decide the conditions under which credit is allowed or withheld in each case.

Credit earned in physical education, library use, dramatics, College News, glee club, quartette, orchestra, or band is in excess of the ninety-six quarter hours required for a diploma and of the 192 quarter hours required for a degree.

The credit is recorded on the student's permanent record card and may play an important part when he is an applicant for a position.

A statement of the amount of credit is included in the description of each course.

Regular work for each six weeks gives eight quarter hours credit. Students with B average may register for a maximum of eleven quarter hours.

**Numbering of Courses.**—Courses numbered 20-29 are (with a few exceptions) required in a curriculum in the Junior College; courses numbered 30-39 are elective courses for those in the Junior College; courses numbered 40 or above are Senior College courses.

**Expenses.**—Tuition is charged for the summer quarter to all who are not to teach in Illinois for a period equal to that covered by their attendance at the Eastern Illinois State Teachers College. This tuition is charged at the rate of \$25.00 a quarter of twelve weeks, or \$12.50 for each six weeks. No tuition is charged for the summer quarter to those who are to teach in Illinois. A registration fee of two dollars for each half term covers all expenses in the zoological, botanical, physical, and chemical laboratories, in the library, and in other departments of the school. Students pay for materials used in drawing, manual training, and home economics. All necessary textbooks are rented to students in the summer quarter for one dollar and fifty cents for each six weeks. Each student pays a recreation fee of one dollar. The fee for instrumental music or for voice lessons is \$5.00 for each six weeks.

An additional fee of one dollar is paid for late registration by every student who does not complete his registration on the day or days appointed for registration; and for change of programme after the third day.

Board and room in Pemberton Hall cost \$7.50 a week; board costs \$5.50 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' session:

Registration fee .....	\$ 2.00
Book rent.....	1.50
Recreation fee.....	1.00
Board for six weeks.....	33.00
Room rent, six weeks, two in a room, each.....	12.00
Laundry .....	4.50

Total .....\$54.00

**Registration.**—Directions for registering on Saturday, June 7, and on Monday, June 9, 1930, 8:00 to 12:00 a. m. and 1:30 to 5:00 p. m., and for the second six weeks on Monday, July 21, at 8:00 a. m.:

1. Arrange for board and room and keep a record of your street and number, your telephone number, and the name of the householder.

2. Pay registration fee (\$2.00), book rent (\$1.50), and recreation fee (\$1.00), or leave scholarship at the cashier's office and pay the recreation fee (\$1.00). Students who enter after Monday, June 9, for the first six weeks, or after Monday, July 21, for the second six weeks, pay a fee of \$1.00 for late registration.

3. Go to a faculty adviser and have a programme marked with the courses for which you wish to register.

4. Take the marked programme to the textbook library and receive your books.

Credit earned in physical education, library use, dramatics, College News, glee club, quartette, orchestra, or band is in excess of the ninety-six quarter hours required for a diploma and of the 192 quarter hours required for a degree.

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2. Pay registration fee (\$2.00), book rent (\$1.50), and recreation fee (\$1.00), or leave scholarship at the cashier's office and pay the recreation fee (\$1.00). Students who enter after Monday, June 9, for the first six weeks, or after Monday, July 21, for the second six weeks, pay a fee of \$1.00 for late registration.
3. Go to a faculty adviser and have a programme marked with the courses for which you wish to register.
4. Take the marked programme to the textbook library and receive your books.

5. Report for regular class work beginning at 7:15, Tuesday morning, June 10, for the first six weeks; on Tuesday, July 22, for the second six weeks.

6. Between noon on Tuesday, June 10, and Friday afternoon, June 13, at 4:00 o'clock, go to the textbook library and get your registration blank. There should be no delay in doing this after you are sure your programme is satisfactory to you.

7. Take the blank and your marked programme to the Entrance Hall and fill out the blank in ink, beginning with the back of the blank. Make out a class card for each course.

8. Take the completed blank and cards to a student clerk and wait till they are checked. All blanks and cards must be returned to the registrar not later than the close of school on Friday, June 13.

9. No credit is given for any course for which you have not made out a class card for the registrar. This card is used in reporting your grades at the close of each six weeks.

10. No change of programme should be made after you have completed your registration on Friday, June 13. If any mistake has been made, go to the office with your trial programme and ask to have the mistake corrected.

11. A student may drop a course by handing in at the textbook library a slip with the date, his name, and the hour and name of the course to be dropped. He must at the same time return any textbooks taken out for that course.

12. No other change in programme should be necessary after Friday, June 13.

**Announcements.**—Morning exercises are held in the assembly hall daily at 9:00 o'clock.

The assembly hall is a study room during all class periods.

Students entering after Monday, June 9, go to the office for a marked programme and permission to register.

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

**Training School.**—Opportunity is offered for observation and practice teaching in the first six grades and in a rural school. It is possible to accept only a few for places in practice teaching in the summer quarter. Preference is given to those whose freshman work has been completed with high standing, and to those beginning practice teaching in the last seven weeks of the spring quarter. No student who has failed in practice teaching is permitted to take teaching in the last half of the spring quarter or in the first half of the summer quarter.

Students wishing to take teaching in the summer quarter should apply to the Director of the Training School at least two weeks before the opening of the summer quarter. The Training School is in session in the first six weeks from 9:40 to 12:10. At 11:20 a course in observation is offered which is very helpful to young teachers.

**Pemberton Hall.**—Room and board can be secured in this building by one hundred students at \$7.50 a week, and board by about fifty more at \$5.50 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.

A deposit of \$5.00 is required for a reservation at Pemberton Hall.

This deposit is credited to the student, but forfeited if the student cancels the reservation too late to have it used by someone else.

**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 basketball ground, 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.

**Practical Arts Building.**—The Practical Arts Building for manual arts, industrial arts, and home economics has been in use since January, 1929. Space and equipment are provided adequate for training teachers in these fields. Both two-year and four-year curriculums are offered in manual arts. A four-year Smith-Hughes curriculum is offered in home economics.

**Laboratories.**—The botanical and zoological 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 and a forest plantation 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 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 over 35,000 books and pamphlets, is open to all summer school students. During the summer quarter of 1929 books on the following subjects were exhibited:

1. Dramatization.
2. Readers and reading.
3. Books useful to teachers.
4. Arithmetic.
5. Pamphlets on geography.

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 are arranged. An elementary course in the use of the library is offered. Information as to this course is given in the "Description of Courses."

**Regular School Year.**—The fall quarter of the college year of 1930-1931 will begin Saturday, September 6, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.

**Organization.**—The Teachers College consists of the Junior College and the Senior College, each offering two years of work. Graduation from a recognized four-year high school is required for admission to the Junior College. The work of the Junior College in all two-year curriculums leads to a diploma which gives a limited elementary certificate, valid in the first ten grades of the common schools of the county; and also to a special diploma in English, manual arts, or music in case of students in those curriculums; 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. Ninety-six quarter hours are required for graduation from the Junior College and ninety-six additional hours for graduation from the Senior College. In addition to the required number of hours, physical education, penmanship, and work in the use of the library are required.

**Curriculums.**—I. Two-year curriculums (96 quarter hours) for preparation of teachers for the grades, or of special teachers of English, manual arts, or music.

II. Four-year curriculums (192 quarter hours each) for preparation of primary teachers, grammar grade department teachers, supervisors, high school teachers, and teachers of special subjects. The possibilities in choice of major subjects are art, English, Latin, geography, history, home economics (Smith-Hughes), manual arts, mathematics, biological science, physical science.

**The Two-Year Diploma Curriculum.**—The two-year diploma curriculum for preparation of teachers for the grades is here given by years:

Freshman Year	Sophomore Year
Education 20, 21, 22	Education 23, 24
English 20, 21, 27 (or 24 or 22)	Teaching 20, 21, 22
Arithmetic 20, 21	History (eight quarter hours)
Botany 20, or 21, or Zoology 20	Music 24
Geography 20	Manual Arts 24 or 25 (or Art 36 or 37)
Reading 24	Geography 21 and English 26 (or English 23 and Education 25)
Drawing 24	Hygiene 20
Penmanship 20	Physical Education
Library 20	
Physical Education	

Notes: 1. Until July 1, 1931, the completion of the work of the freshman year entitles the student to a provisional elementary certificate without examination if his grades are high enough to admit him to practice teaching.

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

2. Each course has four fifty-minute periods a week unless otherwise indicated by a number in parentheses; but laboratory sciences have six to eight fifty-minute periods; manual arts and home economics require eight periods a week for full credit.

3. Students who had Botany 1, 2, 3 in the Teachers College High School take Botany 22 for Botany 20. For the year of college botany, they take Botany 30, 31, 22.

## THE CERTIFICATING LAW

Up to July 1, 1931, the completion of the freshman year's work with grades satisfactory for admission to practice teaching entitles the graduate of a recognized four-year high school to a state provisional elementary certificate, valid for four years and renewable once for a period of four years. The provisional elementary certificate will not be issued after July 1, 1931.

This summer, 1930, is the last summer in which it is possible to earn credit to apply on the provisional elementary certificate. Beginning July 1, 1931, the completion of the freshman year's work will entitle the student to enter an examination in eighteen subjects for a limited elementary certificate.

Holders of provisional certificates, if they continue to teach in Illinois beyond the eight years of the validity of their certificates, must add to their education enough to make two years of college work. If they have completed the freshman year's work, they must add to that the sophomore year's work in order to be eligible for the next higher grade of certificate, the limited elementary certificate, valid for four years and renewable indefinitely for periods of four years.

For the limited supervisory or high school certificate a bachelor's degree is required.

For the life certificate—supervisory, or high school, or elementary—a master's degree is required.

For the life certificate, kindergarten-primary or elementary, the bachelor's degree is required.

Everyone who holds a provisional elementary certificate and expects to continue to teach should make it his aim to earn the requirements for a limited elementary certificate and then for a life elementary certificate. This means that he must earn a bachelor's degree if he wants the highest form of Illinois certificate for grade teaching.

Everyone who wants the supervisory or high school certificate must earn a bachelor's degree. This certificate is renewable indefinitely for periods of four years, but becomes a life certificate only when the holder has earned the master's degree.



# THE CERTIFICATING LAW

ESSENTIAL FEATURES PERTAINING TO LIMITED CERTIFICATES PROVIDED FOR IN THE CERTIFICATING LAW ENACTED BY  
THE FIFTY-SIXTH GENERAL ASSEMBLY, 1929

Analysis of Main Features of Certificates	NAME OF LIMITED CERTIFICATE					
	Super- visory	High School	Special	Kindergarten Primary	Elemen- tary	Provisional Elementary <sub>6</sub>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. Scope of Validity:						
(a) Duration of time.....	4 yr.	4 yr.	4 yr.	4 yr.	4 yr.	4 yr.
(b) General duties permitted.....	Teaching; super- vision	Teaching; super- vision	Teaching; super- vision	Teaching; supervision kindergarten 1-2	Teaching; super- vision	Teaching only
(c) Grades of school system.....	1-12	7-12	1-12	1-2	1-10	1-8
II. Requirements for Issue on Credits						
(a) College semester hours.....	120	120	60 <sup>1</sup>	60 <sup>2</sup>	60	30
(b) Semester hours in education.....	15	15	12	Indefinite	10 <sup>3</sup>	5
(c) Teaching experience.....	4 yr.	0	0	0	0	0
(d) <sup>4</sup> Renewal conditions.....	Success; growth	Success; growth	Success; growth	Success; growth	Success; growth	Success; renewable once <sup>5</sup>
III. Requirements for Issue by Examination						
(a) College semester hours.....	60	60	30	30 <sup>2</sup>	30 <sup>6</sup>	(4 yr. H. S.)
(b) Teaching experience.....	4 yr.	0	0	0	0	0
(c) Number of subjects written.....	5	10	3 or more	3	18	13
(d) College semester hours for renewal—						
1. First renewal.....	90	90	60 <sup>1</sup>	60 <sup>2</sup>	60	0
2. Second renewal.....	120	120	60 <sup>1</sup>	60 <sup>2</sup>	60	None <sup>5</sup>
3. Third renewal, etc.....	120	120	60 <sup>1</sup>	60 <sup>2</sup>	60	None <sup>5</sup>
IV. <sup>7</sup> Conditions of Exchange for Life Certificate						
(a) Years of successful experience.....	Super- vision, 4 yr.	4 yr.	4 yr.	4 yr.	4 yr.	
(b) College semester hours required.....	150	150	90	120	120	
(c) College semester hours in education.....	15	Indefinite	Indefinite	Indefinite	Indefinite	
(d) Name of certificate received.....	Life super- visory	Life high school	Life special	Life Kinder- garten Primary	Life elemen- tary	

<sup>1</sup> 20 hours in each subject named in certificate.

<sup>2</sup> Kindergarten-primary training.

<sup>3</sup> 5 hours in practice teaching.

<sup>4</sup> Evidence of successful teaching and professional growth are prerequisite to the renewal of all certificates.

<sup>5</sup> Renewable once only; not to be issued after July 1, 1931.

<sup>6</sup> 5 hours in education.

<sup>7</sup> Life certificate may be obtained by successful examination and preparation of thesis if applicant fails in slight measure to meet hours of training required for exchange of limited certificate.

## SUMMER QUARTER PROGRAMME

**Summer Quarter, Senior College.**—Attention is called to Senior College courses offered in a sequence of three summers in English, history, physiology, botany, zoology, mathematics, physics, art, and home economics.

**Sophomore Programmes.**—1. Sophomores in the two-year grade curriculum who have begun to teach or who plan to do so in September may complete their work for the Junior College diploma for grade teaching in three successive summer quarters by following these programmes:

I	Summer, 1930	II	I	Summer, 1931	II
Teaching 20a	Hygiene 20		Teaching 21a	Geography 21	
Teaching 20b	Education 23		Teaching 21b		
I Education 24			Music 24a	English 26	
			Music 37a		

I	Summer, 1932	II
Teaching 22a		Manual Arts 24 (or 25, or Art 36, or 37)
Teaching 22b		
History 34 (or 33)		History 35 (or 34)

2. Sophomores in four-year curriculums who are using summer quarters in order to complete one year's work before returning to college as juniors should have their programmes planned at the office.

**Junior Programmes.**—1. Graduates of the two-year diploma curriculum who wish to earn one year's credit toward the degree before returning as seniors for their last year's work should have their programmes planned ahead for them at the office.

Since they must satisfy requirements as to major and minor subjects, laboratory science, and required junior and senior work, they must in most curriculums earn more than two years' credit beyond that covered by the Junior College diploma.

2. Juniors in four-year curriculums wishing to earn credit in summer quarters should have their programmes planned at the office.

**Programme Notes.**—A student may complete eight quarter hours in each six weeks. It is not advisable to register for more than eight quarter hours in six weeks.

Students with B average in their last quarter's work may register for eleven quarter hours, the maximum permitted.

Courses marked with an asterisk are double courses, completing in six weeks the work of twelve weeks. Double courses have two periods a day except on Thursdays and Saturdays, when they omit the second period.

Single period courses omit Friday morning or Saturday afternoon periods.

The periods for science courses are indicated by Arabic numerals following a dash, the numbers showing the days of the week counted from Monday as one.

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

The Training School is in session from 9:40 to 12:10.

The programme for the second six weeks may be found on the last page of this bulletin.

Courses numbered 20-29 are required in one or more of the curriculums. Courses numbered 30 or above are elective. Courses numbered 40 or above are Senior College courses.

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 to correspond with our present plan for numbering courses. 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, (a) being the first half, (b) the second half.

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## DESCRIPTION OF COURSES

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### ART AND DESIGN

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At least one hour's work a day, outside of class, is required in each one-period course in art; two hours outside of class are required in each double period course.

**24. Elementary Drawing.**—The course includes lettering, composition, free hand perspective, color harmony, and their application in poster work.

**24a. First Half of Course 24.**—Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Third floor east, Miss Whitesel.

Section II, 9:30, Third floor east, Miss Whitesel.

Second six weeks:

11:20, Third floor east, Mrs. Moore.

**24b. Second Half of Course 24.**—Prerequisite: Drawing 24a. Four hours a week. Two quarter hours.

First six weeks:

Section I, 10:25, Third floor east, Miss Whitesel.

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

Second six weeks:

10:25, Third floor east, Mrs. Moore.

**25. Method in Drawing, Grades I-IV.**—The course includes a discussion of the value of art education; its relation to other subjects and to industries; methods of teaching drawing in the lower grades; the ordering of supplies; the planning of lessons. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Third floor east, Miss Messer.

**26. Method in Drawing, Grades V-VIII.**—A study of the subject matter to be taught in the upper grades. Eight hours a week. Four quarter hours.

First six weeks, 1931:

**27. History of Ornament and of Architecture.**—Eight hours a week. Four quarter hours.

First six weeks, 1932:

**30. Representation.**—The study of the essentials of perspective and their application to still life groups in charcoal, crayon, water color, and ink. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Third floor east, Miss Alice McKinney.

31. **Poster Work.**—The study of lettering for commercial and educational uses and for application to book making, bulletins, and posters. The principles of design and color. "Art in Every Day Life" by Goldstein is the text used. Eight hours a week. Four quarter hours.

Second six weeks:

8:10 and 9:30, Third floor east, Mrs. Moore.

First six weeks, 1931:

32. **Design I.**—Decorative applications of the principles of design. Eight hours a week. Four quarter hours.

Second six weeks, 1931:

First six weeks, 1932:

33. **Design II.**—Plants, animals, and birds in decoration and the application of these forms to the making of patterns. Color theory, leather tooling, wood block printing, and batik work. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Third floor northeast, Miss Alice McKinney.

Second six weeks, 1932:

34. **Jewelry.**—Design as applied to metal work and to jewelry. Eight hours a week. Four quarter hours.

First six weeks, 1931:

35. **Pottery.**—The application of the principles of design to pottery. Eight hours a week. Four quarter hours.

First six weeks, 1932:

43. **Still Life I.**—Studies in charcoal, water color, and oil. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Third floor northeast, Miss Messer.

Second six weeks, 1932:

44. **Interior Decoration.**—A thorough and practical course in the fundamentals of interior decoration. Emphasis is placed on good color harmony, and the application of the principles of design. The course includes the study of periods and styles of furniture and of materials used in interiors. Eight hours a week. Four quarter hours.

First six weeks, 1931:

Second six weeks:

8:10 and 9:30, Third floor northeast, Mrs. Moore.

45. **Design III.**—The application of the principles of design and color to house plans, wall elevations, and rooms in perspective. Eight hours a week. Four quarter hours.

First six weeks, 1932:

Second six weeks, 1931:

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## EDUCATION

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### I. Observation and Methods

3. **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 instruction of a rural school are presented. Students spend fifty minutes each day watching regular class room work with a group of pupils ranging in age from five to fifteen years. Exercises suggested in the State Course of Study are discussed. Ten hours a week. Two quarter hours as Education 20a or 22a or 20b or 22b.

First six weeks:

10:25 and 11:20, Room 6, Miss Hatch.

**5. General Observation.**—This course offers an opportunity to observe and study the methods and technique of teaching in one or more grades of the student's choice. The class meets daily at 11:20 for observation and discussion. The training teacher teaches the pupils for twenty-five minutes, then dismisses the pupils and discusses the lesson with the observers for the remaining twenty-five minutes of the period.

Students registering for this course should indicate the grade in which they wish to observe. Five hours a week. One quarter hour, not counted toward graduation.

First six weeks:

11:20, Training School, Mr. Allen.

Note.—For free observation see paragraph headed, "Training School."

**12. Country-School Teaching.**—This course is a careful study of the Illinois State Course of Study. It is given in two parts:

**12a. First Part, Lower Grades.**—Four hours a week. Two quarter hours, accepted for Education 20a or 22a.

First six weeks:

9:30, Room 37, Mr. McIntosh.

**12b. Second Part, Upper Grades.**—Four hours a week. Two quarter hours, accepted for Education 20b or 22b.

First six weeks:

10:25, Room 37, Mr. McIntosh.

**13. Rural School Management.**—The course deals with the organization, supervision, and maintenance of country schools and with the organizations coöperating with these schools. It is given in two parts:

**13a. First Part, The Fundamentals of Rural School Organization and Management.**—This part is for rural teachers of little or no experience in teaching. Four hours a week. Two quarter hours as a substitute for Education 22a or 22b.

First six weeks:

7:15, Room 37, Mr. McIntosh.

**13b. Second Part, Rural School Problems and Plans of Organization.**—This part is for graduates of the two-year grade curriculum or for teachers of four or more years of experience. Four hours a week. Two quarter hours as a substitute for Education 22a or 22b.

First six weeks:

8:10, Room 37, Mr. McIntosh.

## II. Practice Teaching

**20a, 20b, 21a, 21b, 22a, or 22b. Practice Teaching.**—A limited number of students is admitted to practice teaching in the first six weeks of the summer quarter. See "Training School."

# SUMMER QUARTER PROGRAMME, 1930, First Six Weeks

Morning Exercises, Assembly Room, Main Building, 9:00 to 9:30. Training School Session, Training School Building, 9:40 to 12:10. Rural School Session, Main Building, Room 6, 9:40 to 12:10. Piano and Voice Lessons, Third Floor, center; violin, clarinet, cornet, Music Building.

7:15-8:05	8:10-9:00	9:30-10:20	10:25-11:15	11:20-12:10	1:30-2:20	2:25-3:15	3:15-4:05
Education 44*	Education 45*	II Penmanship 20*-2, 3, 4, 5, 6		Observation 5	Education 44*	Education 45*	
Mr. Heubner R. 17	Mr. Heubner R. 17	Mrs. Huss	R. 8 T	Grades 1-6			
I Education 24*	III Penmanship 20*	Teaching 20, 21 or 22	I Education 24*	Mr. Allen T			
	-2, 3, 4, 5, 6			I Penmanship 20-			
Mr. Allen R. 8 T	Mrs. Huss R. 8 T	Mr. Allen T	R. 7 T	2, 3, 4, 5, 6			
II Education 24*		Education 48*		Mrs. Huss R. 8 T	II Education 24*		
Mr. Beu R. 26		Mr. Beu	R. 10				
I Education 23*	II Education 23*	Rural Observation 3*			I Education 23*	II Education 23*	
Mr. Gore R. 11 T	R. 11 T	Miss Hatch	R. 6				
I Education 22*	II Education 22*	Library 20-3, 5			I Education 22*	II Education 22*	
Mr. Reppen R. 13 T	Mr. Reppen R. 13 T	Miss Booth R. 11					
II Education 20*	III Education 20*				II Education 20*	III Education 20*	
Mr. Sheppard R. 10	Mr. Sheppard R. 10						
I Education 20*	Education 21*				I Education 20*	Education 21*	
Mr. Hostetler R. 33	Mr. Hostetler R. 33						
Education 13a	Education 13b	Education 12a	Education 12b				
Mr. McIntosh R. 37	Mr. McIntosh R. 37	Mr. McIntosh R. 37	Mr. McIntosh R. 37				
Music 24a	Music 37a	Music 38a					
Miss Major	Miss Major	Miss Major					
English 36*		English 48*					
	Miss McKinney	R. 23	Miss McKinney	R. 23			
English 27*	English 43a				English 27*	English 43b	
Miss Daringer R. 39	Miss Daringer R. 39				Miss Daringer R. 39	Miss Daringer R. 39	
I English 45*	II English 45*				I English 45*	II English 45*	
Mr. Widger R. 27	Mr. Widger R. 27						
	I Reading 24a	II Reading 24a	Dramatics 39*				
	Miss Orcutt R. 30	Miss Orcutt R. 30	Miss Orcutt	R. 30			
	English 25a	English 25b	English 30*				
	Mr. Andrews R. 29	Mr. Andrews R. 27	Mr. Andrews	R. 27			
		English 44a or b	English 20a	English 21a			
		Mr. Waffle R. 33	Mr. Waffle R. 33	Mr. Waffle R. 33			
	English 24*	I Reading 24b	II Reading 24b			English 24*	
	Miss Ragan R. 40	Miss Ragan R. 40	Miss Ragan R. 40				
I English 26*	II English 26*				I English 26*	II English 26*	
Miss Neal R. 24	Miss Neal R. 24						
	I English 22b	I English 22a	II English 22b	II English 22a			
	Miss Parker R. 32	Miss Parker R. 32	Miss Parker R. 32	Miss Parker R. 32			
	Algebra 36*		Trigonometry 33*				
	Mr. Taylor	R. 26	Mr. Taylor	R. 26			
	Arithmetic 20a	Algebra 32*		Arithmetic 20b			
	Mrs. Dixon R. 18	Mrs. Dixon	R. 25	Mrs. Dixon R. 25			
I Arithmetic 20*	II Arithmetic 20*	Algebra 31*		Coaching 33	I Arithmetic 20*	II Arithmetic 20*	
Miss Daniels R. 25	Miss Daniels R. 25	Mr. Lantz	R. 18	Mr. Lantz R. 18			
I Arithmetic 21*	II Arithmetic 21*				I Arithmetic 21*	II Arithmetic 21*	
Mr. Goldsmith R. 11	Mr. Goldsmith R. 11						
Sociology 43*	History 32*				Sociology 43*	History 32*	
Mr. Theiss R. 25	Mr. Theiss R. 25						

History 35* Mr. Seymour R. 38	Government 43* Mr. Seymour R. 38			History 35* History 34*	Government 43* History 33*
History 34* Miss Ellington R. 9	History 33* Miss Ellington R. 9			I Geography 20*	II Geography 20*
I Geography 20* Mrs. Baker R. 7 T	II Geography 20* Mrs. Baker R. 7 T			I Geography 21*	II Geography 21*
I Geography 21* Miss Kroenlein R. 16	II Geography 21* Miss Kroenlein R. 16				
I Hygiene 20a	I Hygiene 20b	II Hygiene 20a	II Hygiene 20b		
Mr. Scruggs	Third floor northwest				
Physiology 30*— 2, 3, 4, 5, 6	Physiology 31*— 2, 3, 4, 5, 6	Physiology 30*—2, 4, 6 (and 9:30-3)			
Dr. Seymour		Physiology 31*—2, 4, 6 (and 10:25-3)			
Physics 30*— 2, 3, 4, 5, 6	Physics 43*— 2, 3, 4, 5, 6	Physics 30*—2, 3, 5, 6			
Mr. Railsback R. 36		Physics 43*—2, 3, 5, 6			
Botany 22*— 2, 3, 5, 6		Botany 22*—2, 3, 5, 6	Botany 21*— 2, 3, 5, 6		Botany 21*—2, 3, 4, 5
Mr. Stover	Zoology 21*— 2, 3, 4, 5	Zoology 20*—2, 3, 4, 5		Zoology 20*— 2, 3, 4, 5	
	Mr. Spooner	Botany 43*, 44* or 45*—2, 3, 5, 6			
		Zoology 43*, 44* or 45*—2, 3, 4, 5			
	Art 25*	Art 43*			
	Miss Messer	Third floor northeast			
	Art 33*	Art 30*			
	Miss Alice McKinney	Third floor northeast			
	I Art 24a	II Art 24a	I Art 24b	II Art 24b	
	Miss Whitesel	Third floor northeast			
	Domestic Art 30—2, 3, 4, 5, 6 (And one more hour)	I Manual Arts 24a	II Manual Arts 24a	III Manual Arts 24a	IV Manual Arts 24a
Miss Thompson	R. 22 P	Mrs. Ashley R. 16 P	R. 16 P	R. 22 P	R. 22 P
	Domestic Art 33—2, 3, 4, 5, 6 (And one more hour)	Foods 19			
	Miss Thompson	R. 22 P	R. 27 P		
	I Manual Arts 24b	II Manual Arts 24b	Manual Arts 47a or b; 48a or b; 54a or b	Manual Arts 47a or b; 48a or b; 54a or b	
	Mr. Ashley	R. 16 P	R. 19 P	R. 19 P	
	Manual Arts 53a or b; 57a or b		Manual Arts 33, 34 or 35	Manual Arts 20, 21 or 22 Manual Arts 43a or b	
Mr. Hughes	R. 19 P		R. 14 P	R. 4 P	
	Manual Arts 59a or b; 60a or b; 61a or b	Manual Arts 59a or b; 60a or b; 61a or b		Manual Arts 30, 31, 32; 49, 50; 51, 52	
	Mr. Langford	R. 17 P	R. 17 P	R. 16 P	

Regular work gives eight quarter hours. No student is permitted to register for more than ten quarter hours of credit toward graduation. 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; P, in the Practical 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 Six Weeks may be found on the last page of the Summer Bulletin.

\* A double course, completing in six weeks the work of twelve weeks. Double courses have two periods a day except on Thursdays and Saturdays, when they omit the second period. Single period courses, except penmanship, omit Friday morning or Saturday afternoon periods. The periods for science courses are indicated by Arabic numerals following a dash, the numbers showing the days of the week counted from Monday as one.

Preference is given to sophomores in the two-year grade curriculum.

Students registering for practice teaching should see Mr. Allen on registration day.

### III. Education

Note.—Beginning with the fall quarter, 1928-29, a change was made in the content of the three courses in education required of freshmen and then called "Psychology 20, 21, 22." The new courses are now listed as Education 20, 21, 22.

Those who have had the old "Psychology 20" should complete the year's work by taking the new Education 20 and 22. Those who have had the old "Psychology 20, 21" complete the year's work by taking Education 22.

Students who have not had the old "Psychology 20, 21, 22" take the new courses in education listed here as "Education 20, 21, 22."

**20. An Introduction to Education.**—This course is intended to provide the student with a general view of the more important phases of a teacher's work. The meaning and the interrelation of the following matters form the subject matter of the course: the organization of public education; the teacher's relation to other school officials; school property; the materials of education; methods of using school material; the learning process; qualifications of teachers; the purpose of public education. The succeeding courses in education deal in greater detail with the several topics introduced in this beginning course.

First six weeks:

Section I, 7:15 and 1:30, Room 33, Mr. Hostetler.

Section II, 7:15 and 1:30, Room 10, Mr. Sheppard.

Section III, 8:10 and 2:25, Room 10, Mr. Sheppard.

Second six weeks:

8:10 and 2:25, Room 17, Mr. Hostetler.

**21. An Introduction to Educational Psychology.**—This course uses the discussion on the learning process of the preceding course as its point of departure and introduces the student to the forms of student behavior by which man adapts himself to the world. The material of the course includes: the physical basis of behavior; the instinctive equipment of man; the emotions; the laws of learning and their economical application; the organization of experiences into percepts and ideas; transfer of training; individual differences; intelligence; the interrelation of various forms of behavior. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 33, Mr. Hostetler.

Second six weeks:

7:15 and 1:30, Room 17, Mr. Hostetler.

**22. The Psychology of Elementary School Subjects.**—This course makes an analysis of the materials used in elementary education with a view to understanding the learning problems involved. The special psychology of the following subjects is considered: reading, arithmetic, handwriting, spelling, history, geography, nature study, music, drawing. Some attention is given to the diagnosis of special difficulties in these subjects and the appropriate remedial measures. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 13T, Mr. Reppen.

Section II, 8:10 and 2:25, Room 13T, Mr. Reppen.



23. (20) **Principles of Education.**—Through discussion of the nature and aims of education, foundations are laid for notions of educational values, selection of the curriculum, methods of teaching, and school administration. Prerequisite: Education 20 and 21, or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 11T, Mr. Gore.

Section II, 8:10 and 2:25, Room 11T, Mr. Gore.

Second six weeks:

7:15 and 1:30, Room 10, Mr. Sheppard.

24. (21) **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 conditions determining desirable class activity are emphasized. Prerequisite: Education 20 and 21, or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15, Room 8T, and 10:25, Room 7T, Mr. Allen.

Section II, 7:15 and 1:30, Room 26, Mr. Beu.

Second six weeks:

8:10 and 2:25, Room 10, Mr. Sheppard.

44. **Educational Measurements.**—The aim of this course is to introduce the student to the application of the statistical method to the solution of educational problems; to acquaint him with standardized and proposed tests for measurements of general mental ability and with scales for the measurement of progress of the child in school subjects and for the determination of efficiency of teaching. Opportunity is given for the development through practice of some skill in the application of tests and the employment of scales. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 17, Mr. Heubner.

45. **The Psychology of Secondary Education.**—The purpose of this course is to trace the psychological principles which are basic to the teaching of high school subjects. General types of learning are discussed, such as: motor learning, association learning, problem-solving, habit-formation. High school subjects are analyzed and the relations of the general types of learning to particular subjects are pointed out. The general organization of the high school as it is determined by the nature of the adolescent student is touched upon. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 17, Mr. Heubner.

48. **School Organization and Administration.**—This is an introductory course for students who desire a knowledge of problems in educational organization, administration, and supervision in the nation, the state, and local units. The first half of the course gives an understanding of the problems of administration to enable all members of an organization to co-operate with those in final administrative authority in the formulation of policies. The second half of the course presents the problems of the elementary and high school principal in organizing and administering schools. School law and finance as well as current educational problems receive attention in this course. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

First six weeks:

9:30 and 10:25, Room 10, Mr. Beu.

**ENGLISH**

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**20. Composition.**—A practical course, stressing the planning, outlining, and developing of short units, analysis of well-written material, the sentence, and fundamentals of good form in speech and writing.

**20a. The First Half of English 20.**—Four hours a week. Two quarter hours (only when followed by English 20b in the second six weeks, making four quarter hours for the two courses combined).

First six weeks:

10:25, Room 33, Mr. Waffle.

**20b. The Second Half of English 20.**—In the second six weeks, English 20b is open only to those who complete English 20a in the first six weeks. Prerequisite: English 20a. Four hours a week. Two quarter hours.

Second six weeks:

10:25, Room 24, Miss Collins.

**21. Composition.**—A continuation of English 20, mostly concerned with clear exposition; larger units; some rhetorical theory.

**21a. The First Half of English 21.**—Prerequisite: English 20. Four hours a week. Two quarter hours (only when followed by English 21b, making four quarter hours for the two courses combined).

First six weeks:

11:20, Room 33, Mr. Waffle.

**21b. The Second Half of English 21.**—Prerequisite: English 21a. Four hours a week. Two quarter hours.

Second six weeks:

9:30, Room 24, Miss Collins.

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

First six weeks:

Section I, 9:30, Room 32, Miss Parker.

Section II, 11:20, Room 32, Miss Parker.

**22b. Children's Literature.**—See Course 22a. In Course 22b, poetry and modern stories are considered. Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Room 32, Miss Parker.

Section II, 10:25, Room 32, Miss Parker.

Second six weeks:

7:15, Room 18, Mr. Giles.

**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. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 40, Miss Ragan.

**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. Required in all four-year curriculums.

25a. Four hours a week. Two quarter hours.

First six weeks:

8:10, Room 29, Mr. Andrews.

25b. Four hours a week. Two quarter hours.

First six weeks:

9:30, Room 27, Mr. Andrews.

Second six weeks:

10:25, Room 18, Mr. Giles.

**26. English Grammar.**—This course attempts to cover the grammar taught in the seventh and eighth years with special emphasis on the sentence. Required in the two-year English curriculum. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 24, Miss Neal.

Section II, 8:10 and 2:25, Room 24, Miss Neal.

Second six weeks:

7:15 and 1:30, Room 24, Miss Collins.

**27. Literature.**—Intermediate and Upper Grades. Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 39, Miss Daringer.

**30, 31. Nineteenth Century Prose Fiction.**—The primary aim is to arouse the student's interest in the best fiction, and the secondary to furnish him with standards of judgment.

30. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 27, Mr. Andrews.

31. Eight hours a week. Four quarter hours.

First six weeks, 1931:

**34. American Literature.**—A survey of American literature from the beginning to the present. Eight hours a week. Four quarter hours.

First six weeks, 1932:

**36. Shakespeare and the Elizabethan Drama.**—A study of Shakespeare's most important plays, and of their place in the development of English drama. Some attention is given to the chief dramatists contemporary with Shakespeare. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Room 23, Miss McKinney.

**39. Dramatics.**—A study of the presentation of plays, including the reading of contemporary dramas, the production of at least one play, and the dramatization of an episode or a short story. Some instruction in the coaching of plays is given. Accepted for English 37. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 30, Miss Orcutt.

43. **Contemporary Literature.**—Extensive reading in current literature introduces the student to the best that is being written today, and provides him with some standards of judgment with the hope of stimulating his enthusiasm for good books.

43a. **Prose.**—Prerequisite: Junior College required English. Four hours a week. Two quarter hours.

First six weeks:

8:10, Room 39, Miss Daringer.

43b. **Poetry.**—Prerequisite: Junior College required English. Four hours a week. Two quarter hours.

First six weeks:

2:25, Room 39, Miss Daringer.

44a (or b). **Advanced Rhetoric.**—Chiefly written composition, applying the principles of organization and effective expression to somewhat more extended material than do English 20 and 21. The course is intended to give both an introduction to the methods of research, and opportunity for original work. Prerequisite: Junior College required English. Four hours a week. Two quarter hours for a or b. Four quarter hours for a and b for the quarter (12 weeks).

First six weeks:

9:30, Room 33, Mr. Waffle.

Second six weeks:

9:30, Room 18, Mr. Giles.

45. **Oral English.**—Through prepared talks and discussions, this course gives training in the effective expression of genuine ideas and opinions. Sincerity, adequate development of thought, the proper use of facts and evidence, and also the principles and practice of good delivery are stressed. Prerequisite: Junior College required English. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 27, Mr. Widger.

Section II, 8:10 and 2:25, Room 27, Mr. Widger.

Second six weeks:

10:25 and 11:20, Room 27, Mr. Widger.

46, 47, 48. **Modern English Poetry.**—Appreciation of the art of poetry, and a study of some of the chief English poets, as they illustrate this art.

46. Eight hours a week. Four quarter hours.

First six weeks, 1932:

Second six weeks:

8:10 and 9:30, Room 27, Mr. Widger.

47. Eight hours a week. Four quarter hours.

First six weeks, 1931:

Second six weeks, 1932:

48. **Nineteenth Century Poetry.**—Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 23, Miss McKinney.

Second six weeks, 1931:

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**GEOGRAPHY**

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**20. Principles of Human Geography.**—Required in the first year of the Teachers College. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 7T, Mrs. Baker.

Section II, 8:10 and 2:25, Room 7T, Mrs. Baker.

Second six weeks:

7:15 and 1:30, Room 16, Miss Harris.

**21. Climatology.**—This course covers work helpful to teachers of the seventh and eighth grades in the State Course of Study. It includes mathematical geography and a study of the circulation of the atmosphere leading up to an understanding of climate. It forms a foundation for all regional geography. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 16, Miss Kroenlein.

Section II, 8:10 and 2:25, Room 16, Miss Kroenlein.

Second six weeks:

8:10 and 2:25, Room 16, Miss Harris.

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**HISTORY AND SOCIAL SCIENCE**

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**I. History**

**31. The History of Europe, 1500-1815.**—Eight hours a week. Four quarter hours.

Second six weeks:

8:10 and 2:25, 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. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 35, Mr. Thomas.

**33. American Political and Institutional History to 1800.**—Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 9, Miss Ellington.

**34. The Political and Institutional History of the United States, 1800-1865.**—Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 9, Miss Ellington.

Second six weeks:

7:15 and 1:30, Room 35, Mr. Thomas.

**35. The Political and Institutional History of the United States, 1865 to the Present.**—Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 38, Mr. Seymour.

Second six weeks:

8:10 and 2:25, Room 9, Mr. Seymour.

## II. Sociology

43. **The Principles of Sociology.**—Eight hours a week. Four quarter hours.

First six weeks:

7:15 and 1:30, Room 35, Mr. Thomas.

## III. Government

43. **State and Local Government.**—Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 2:25, Room 38, Mr. Seymour.

44. **The National Government.**—Eight hours a week. Four quarter hours.

Second six weeks:

7:15 and 1:30, Room 9, Mr. Seymour.

45. **Modern Governments of Europe and America.**—Eight hours a week. Four quarter hours.

First six weeks, 1931:

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## HOME ECONOMICS

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The work of the Home Economics Department is divided into two parts: I, Domestic Art, which has to do with clothing; II, Domestic Science, which deals with foods.

Domestic Art 30, 31, and 32 are offered in sequence in the first six weeks of the summer quarter in 1930, 1931, 1932. The same is true of Art 30, 31, and 32, which freshmen in the Smith-Hughes Home Economics curriculum are required to take with Domestic Art 30, 31, 32.

### I. Domestic Art

30. **Textiles.**—Prerequisite: Art 30, unless the student is taking Art 30. Sixteen hours a week. Four quarter hours.

First six weeks:

7:15, 8:10, and 9:30 daily, with one additional hour a week, Room 22P, Miss Thompson.

31. **Clothing I.**—Prerequisite: Domestic Art 30. Sixteen hours a week. Four quarter hours.

First six weeks, 1931:

32. **Garment Making.**—Prerequisite: Domestic Art 31. Sixteen hours a week. Four quarter hours.

First six weeks, 1932:

**33. Costume Design.**—Prerequisite: Domestic Art 32. Sixteen hours a week. Four quarter hours.

First six weeks:

8:10, 9:30, and 10:25 daily, with one additional hour a week, Room 22P, Miss Thompson.

## II. Domestic Science

**19. Foods.**—This is a practical course in nutrition for those who are interested in wisely planning their own diet or that of other adults or of children. It is a study of body requirements in food and of proper means of meeting those requirements. Prerequisite: none. Four hours a week. No credit toward graduation.

First six weeks:

11:20, Room 27P, Miss Thompson.

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## LIBRARY USE

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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 freshmen. The course offered this summer is accepted for this work.

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

First six weeks:

10:25, Wednesdays and Fridays, Room 11, Miss Booth.

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## MANUAL ARTS

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**20, 21, 22. Practice Teaching in Manual Arts.**—See Mr. Ashley.

**24a. Primary and Intermediate Grade Handwork.**—This course has been worked out to meet the needs of teachers and supervisors of 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. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours.

First six weeks:

Section I, 10:25, Room 16 P, Mrs. Ashley.

Section II, 11:20, Room 16 P, Mrs. Ashley.

Section III, 1:30, Room 22 P, Mrs. Ashley.

Section IV, 2:25, Room 22 P, Mrs. Ashley.

Second six weeks:

9:30, Room 16 P, Mrs. Ashley.

**24b. Primary and Intermediate Grade Handwork.**—Reed and raffia, basketry, wood work and clay work. Prerequisite: Course 24a. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours.

First six weeks:

Section I, 8:10, Room 16 P, Mr. Ashley.

Section II, 9:30, Room 16 P, Mr. Ashley.

Second six weeks:

10:25, Room 16 P, Mrs. Ashley.

**25. Toy Making.**—This is a course of equal 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. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours for 25a or 25b.

Second six weeks:

7:15 and 8:10, Room 14 P, Mr. Ashley.

**30. Mechanical Drawing.**—Practical working drawings based upon French and Svenson's "Engineering Drawing." 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. Eight hours a week. Two quarter hours.

First six weeks:

1:30 and 2:25, Room 16 P, Mr. Langford.

Second six weeks:

11:20 and four additional hours a week, Room 16 P, Mr. Ashley.

**31. Mechanical Drawing.**—Mechanical perspective, oblique and isometric drawings. Prerequisite: Course 30. Eight hours a week. Two quarter hours.

First six weeks:

1:30 and 2:25, Room 16 P, Mr. Langford.

Second six weeks:

11:20 and four additional hours a week, Room 16 P, Mr. Ashley.

**32. Mechanical Drawing.**—Machine drawing developments and furniture design. Prerequisite: Course 31. Eight hours a week. Two quarter hours.

First six weeks:

1:30 and 2:25, Room 16 P, Mr. Langford.

Second six weeks:

11:20 and four additional hours, Room 16 P, Mr. Ashley.

**33. Elementary Woodwork.**—Prerequisite: Course 30, unless Course 30 is being taken with Course 33. Eight hours a week. Two quarter hours.

First six weeks:

10:25 and 11:20, Room 14 P, Mr. Hughes.

Second six weeks:

7:15 and 8:10, Room 14 P, 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, demonstrations, and applications. Prerequisite: Course 33. Eight hours a week. Two quarter hours.

First six weeks:

10:25 and 11:20, Room 14 P, Mr. Hughes.



Second six weeks:

7:15 and 8:10, Room 14 P, Mr. Ashley.

**35. Bench Metal Work.**—Work in wrought iron, mild steel, and sheet metal. Prerequisite: Manual Arts 34. Eight hours a week. Two quarter hours.

First six weeks:

10:25 and 11:20, Room 14 P, Mr. Hughes.

Second six weeks:

7:15 and 8:10, Room 14P, Mr. Ashley.

**36 or 37. Furniture and Cabinet Construction.**—Use of power machinery. Study of periods and styles of furniture. Applied design. Pieces are designed and one or more made in the shop. Outside reading and reports in class, covering the development and distinguishing characteristics of period furniture. Students pay for material used and are allowed to take the furniture home. These courses are offered each in two parts as follows:

**36a (or b), or 37a (or b)**—Eight hours a week. Two quarter hours for each half course.

Second six weeks:

7:15 and 8:10, Room 12 P, Mr. Hughes.

**39a (or b). Household Mechanics.**—The purpose of this course is to train teachers for junior high schools in all kinds of household mechanical work. The first half of it, or 39a, consists in the refinishing and repair of worn and broken furniture and simple carpentry and masonry repair. The remainder of the course consists of a study of the installation and repair of plumbing and electrical apparatus. Required of all students in Manual Arts curriculums. A valuable course for home economics students. Eight hours a week. Two quarter hours for each half course.

Second six weeks:

7:15 and 8:10, Room 12 P, 13 P, Mr. Hughes.

**43a (or b). The Elements of Sheet Metal Practice.**—The development of practical work for public schools. Eight hours a week. Two quarter hours for each half course.

First six weeks:

1:30 and 2:25, Room 4 P, Mr. Hughes.

Second six weeks:

9:30 and 10:25, Room 4 P, Mr. Hughes.

**47a (or b). Forge and Acetylene Work.**—Eight hours a week. Two quarter hours for each half course.

First six weeks:

10:25 and 11:20, Room 19 P, Mr. Ashley.

Second six weeks:

9:30 and 10:25, Room 19 P, Mr. Ashley.

**48a (or b). Machine Shop.**—Eight hours a week. Two quarter hours for each half course.

First six weeks:

10:25 and 11:20, Room 19 P, Mr. Ashley.

Second six weeks:

9:30 and 10:25, Room 19 P, Mr. Ashley.

**49. Architectural Drawing.**—Required in four-year Art and Manual Arts curriculums. Prerequisite: Course 32. Eight hours a week. Two quarter hours.

First six weeks:

1:30 and 2:25, Room 16 P, Mr. Langford.

Second six weeks:

11:20 and four additional hours, Room 16 P, Mr. Ashley.

**50. Architectural Drawing, Advanced.**—Required in four-year Art and Manual Arts curriculums. Prerequisite: Course 49. Eight hours a week. Two quarter hours.

First six weeks:

1:30 and 2:25, Room 16 P, Mr. Langford.

Second six weeks:

11:20 and four additional hours, Room 16 P, Mr. Ashley.

**51, 52. Advanced Mechanical Drawing.**—Eight hours a week for each course. Two quarter hours for each course.

First six weeks:

1:30 and 2:25, Room 16 P, Mr. Langford.

Second six weeks:

11:20 and four additional hours, Room 16 P, Mr. Ashley.

**53a (or b). Automobile Mechanics I. Frame, Springs, Wheels, Transmission.**—Eight hours a week for each half course. Two quarter hours for each half course.

First six weeks:

7:15 and 8:10, Room 19 P, Mr. Hughes.

Second six weeks:

1:30 and 2:25, Room 19 P, Mr. Hughes.

**54a. (or b). Advanced Machine Shop.**—Eight hours a week for each half course. Two quarter hours for each half course.

First six weeks:

10:25 and 11:20, Room 19 P, Mr. Ashley.

Second six weeks:

9:30 and 10:25, Room 19 P, Mr. Ashley.

**57a (or b). Automobile Mechanics II. Engine, Ignition, Carburetor.**—Eight hours a week for each half course. Two quarter hours for each half course.

First six weeks:

7:15 and 8:10, Room 19 P, Mr. Hughes.

Second six weeks:

1:30 and 2:25, Room 19 P, Mr. Hughes.

**59. Printing I.**—Hand composition and beginning press work. Sixteen hours a week. Four quarter hours.

First six weeks:

8:10 to 12:10, Room 17 P, Mr. Langford.

**60. Printing II.**—More advanced composition and press work. Sixteen hours a week. Four quarter hours.

First six weeks:

8:10 to 12:10, Room 17 P, Mr. Langford.

**61. Printing III.**—Linotype and cylinder press work. Sixteen hours a week. Four quarter hours.

First six weeks:

8:10 to 12:10, Room 17 P, Mr. Langford.

**MATHEMATICS****I. 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. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 25, Miss Daniels.

Section II, 8:10 and 2:25, Room 25, Miss Daniels.

Second six weeks:

8:10 and 2:25, Room 25, Mr. Lantz.

**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. Four hours a week. Two quarter hours.

First six weeks:

8:10, Room 18, Mrs. Dixon.

**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. Four hours a week. Two quarter hours.

First six weeks:

11:20, Room 25, Mrs. Dixon.

**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. Eight hours a week. Four quarter hours.

First six weeks:

Section I, 7:15 and 1:30, Room 11, Mr. Goldsmith.

Section II, 8:10 and 2:25, Room 11, Mr. Goldsmith.

**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. Four hours a week. Two quarter hours.

Second six weeks:

7:15, Room 25, Mr. Lantz.

**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. Four hours a week. Two quarter hours.

Second six weeks:

1:30, Room 25, Mr. Lantz.

**II. College Mathematics**

**31. Algebra.**—Review of first year algebra; graphs; functions; determinants of second and third orders applied to simultaneous linear equations; variation, extension of the number system to include com-

plex numbers; theory of quadratic equations; simultaneous quadratics. Eight hours a week. Four quarter hours.

First six weeks:

9:30 and 10:25, Room 18, Mr. Lantz.

**32. Algebra.**—Exponents and radicals; logarithms; mathematical induction; binomial theorem; progressions; permutations and combinations, probability. Prerequisite: Algebra 31, or the equivalent. Eight hours a week. Four quarter hours.

First six weeks:

9:30 and 10:25, Room 25, Mrs. Dixon.

**33. Plane Trigonometry.**—Definitions and properties of trigonometric functions, the deduction of important trigonometric formulas, the use of tables of logarithms, the solution of plane triangles, and various practical applications. Eight hours a week. Four quarter hours.

First six weeks:

10:25 and 11:20, Room 26, Mr. Taylor.

**36. Algebra.**—Theory of equations, including elementary transformations, locations of roots, and the solution of the cubic and biquadratic equations; limits, elementary properties of series. Prerequisite: Algebra 32, or the equivalent. Eight hours a week. Four quarter hours.

First six weeks:

8:10 and 9:30, Room 26, Mr. Taylor.

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## MUSIC

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### I. Public School Music

**24a. Elementary Sight Singing.**—The course is planned to acquaint students with the subject matter of music in the first four grades of the public schools; to train the ear, and to develop some skill in syllable reading. Four hours a week. Two quarter hours.

First six weeks:

7:15, 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. Accepted for Music 24b. Four hours a week. Two quarter hours.

First six weeks:

8:10, Third floor east, Miss Major.

Note.—Students registered for Music 37a or 38a are required to keep the 11:20 period free for observation of music teaching.

**38a. Upper Grade Methods.**—Methods of teaching and supervising music in grades four to eight, inclusive. Accepted for Music 24b. Four hours a week. Two quarter hours.

First six weeks:

9:30, Third floor east, Miss Major.

Note.—See note under 37a.

### II. Instrumental Music

**Piano Ensemble Class.**—First six weeks.

Piano Lessons 30a (or b), 33a (or b), 36a (or b). First Year, Second Year, Third Year.—One quarter hour for Course 30a, 33a, or 36a. Students should arrange the time with Mr. Koch.

First six weeks:

Hours to be arranged, Third floor center, Mr. Koch.

**Violin, Clarinet, Cornet.**—These classes are open to beginners only and meet twice a week for one period with no credit. The time is arranged by the class and instructor. Lessons are free of charge. Instruments may be rented. Enrollment is limited to fifteen pupils in each class.

Individual lessons on the same basis as piano lessons may be arranged.

First six weeks:

Hours to be arranged, Music Building, Mr. Hassberg.

### III. Voice Training

**Voice Training 30a (or b), 33a (or b), 36a (or b).** First Year, Second Year, Third Year.—One quarter hour for Course 30a, 33a, or 36a. Students should arrange the time with Mr. Koch.

First six weeks:

Hours to be arranged, Third floor center, Mr. Koch.

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### PENMANSHIP

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20. **Penmanship.**—The work is offered in three sections.

First six weeks:

Section I, Primary Demonstration and Blackboard Writing. Five hours a week. One quarter hour, 11:20, Room 8 T, Mrs. Huss.

Section II, Palmer Certificate Class. Ten hours a week. Two quarter hours, 9:30 and 10:25, Room 8 T, Mrs. Huss.

Section III, Methods. Five hours a week. One quarter hour, 8:10, Room 8 T, Mrs. Huss.

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### PHYSICAL EDUCATION

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#### Physical Education (Men)

33. **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. Notebooks 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 may be organized. Four hours a week. One quarter hour.

First six weeks:

11:20, Room 18, Mr. Lantz.

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### READING

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24a. **Reading.**—Designed to improve the student's oral reading. Includes drill exercises and practice in reading before the class. Outside preparation and practice are required. Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Room 30, Miss Orcutt.

Section II, 9:30, Room 30, 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. Four hours a week. Two quarter hours.

First six weeks:

Section I, 9:30, Room 40, Miss Ragan.

Section II, 10:25, Room 40, Miss Ragan.

Second six weeks:

11:20, Room 18, Mr. Giles.

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## SCIENCE (BIOLOGICAL)

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### I. Botany

20. **College Botany.**—A course designed to give the student a knowledge of the fundamental physiological processes concerned in the growth of plants, and of the external and internal structures which are concerned in these processes in leaves, stems, and roots. It includes also the effects of environment factors on these processes and structures. Twelve hours a week. Four quarter hours.

Second six weeks:

11:20, 2:25, and 3:15, except 11:20 on Thursdays and 2:25 and 3:15 on Saturdays, Third floor southwest, Mr. Stover.

21. **College Botany.**—A study of the reproduction of flowering plants, the development of fruit and seeds from the parts of the flower, the mechanism of heredity, and a brief study of the great groups of plants. Twelve hours a week. Four quarter hours.

First six weeks:

11:20, 2:25, and 3:15, except 11:20 on Thursdays and 2:25 and 3:15 on Saturdays, Third floor southwest, Mr. Stover.

Second six weeks:

7:15, 9:30, and 10:25, except Thursdays, Third floor southwest, Mr. Stover.

22. **General Local Flora.**—The identification of trees in winter and summer condition, of the common fresh water algae, liverworts, mosses and ferns, and of flowering plants as the season advances; and with this a study of structures which is necessary for the recognition of these forms. The course is designed especially for those who expect to teach biological science in secondary schools.

Prerequisite: Botany 20 and 21, or permission of the instructor. Elective. Twelve hours a week. Four quarter hours.

First six weeks:

7:15, 9:30, and 10:25, except Thursdays, Third floor southwest, Mr. Stover.

43 (or 44, or 45). **Advanced Botany.**—This course is arranged to meet the needs of individual students who have had five quarters, or the equivalent, of botany, and who wish to go on in some special field. The student may choose the field in which he wishes to work, but is required to consult the instructor before registering for this course. Prerequisite: Botany 20, 21, 22, 30, and 32, or their equivalent. Twelve hours a week. Four quarter hours.

Each six weeks:

9:30, 10:25, and 11:20, except Thursdays, Third floor southwest, Mr. Stover.

## II. Zoology

**20. Animal Biology.**—A consideration of fundamental biological laws, based upon animal material. Twelve hours a week. Four quarter hours.

First six weeks:

1:30, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner.

Second six weeks:

7:15, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner.

**21. Animal Biology.**—A continuation of the work of Zoology 20. Prerequisite: Zoology 20 or one year of high school zoology. Twelve hours a week. Four quarter hours.

First six weeks:

8:10, 2:25, and 3:15, except Saturdays, Third floor northwest, Mr. Spooner.

**22. Animal Biology.**—A continuation of the work of Zoology 21. Prerequisite: Zoology 20, or one year of high school zoology. Twelve hours a week. Four quarter hours.

Second six weeks:

8:10, 2:25, and 3:15, except Saturdays, Third floor northwest, Mr. Spooner.

**43 (or 44, or 45). Advanced Zoology.**—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 zoology or biology. Twelve hours a week. Four quarter hours.

Each six weeks:

9:30, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner.

## III. Human Physiology

**30. Elementary Physiology.**—The fundamental principles of animal physiology, including the chemical and physical structure of animate matter; the reactions involved in animals, including the human body, in responding to environmental conditions; the formation, structure, and functions of blood and lymph, and the fundamental structure of the nervous system with particular emphasis on reflex actions. A survey of the conditions determining the activities of living forms. Elective. Twelve hours a week. Four quarter hours.

First six weeks:

7:15 daily, 9:30 and 10:25 on Tuesdays, Thursdays, and Saturdays, 9:30 on Wednesdays, Third floor northwest, Dr. Seymour.

**31. Elementary Physiology.**—A study of respiration, foods, digestion, metabolism, and excretion. Prerequisite: Physiology 30. Elective. Twelve hours a week. Four quarter hours.

First six weeks:

8:10 daily, 9:30 and 10:25 on Tuesdays, Thursdays, and Saturdays, 10:25 on Wednesdays, Third floor northwest, Dr. Seymour.

**32. Elementary Physiology.**—A study of circulation, the organs of internal secretion, the central nervous system, and the special senses. Prerequisite: Physiology 30. Elective. Twelve hours a week. Four quarter hours.

First six weeks, 1931:

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

**20a. Personal Hygiene.**—Four hours a week. Two quarter hours.

First six weeks:

Section I, 7:15, Third floor west, Mr. Scruggs.

Section II, 10:25, Third floor west, Mr. Scruggs.

Second six weeks:

Section I, 8:10, Room 37, Mr. Crowe.

Section II, 10:25, Room 37, Mr. Crowe.

**20b. Public Hygiene.**—Four hours a week. Two quarter hours.

First six weeks:

Section I, 8:10, Third floor west, Mr. Scruggs.

Section II, 11:20, Third floor west, Mr. Scruggs.

Second six weeks:

Section I, 7:15, Room 37, Mr. Crowe.

Section II, 9:30, Room 37, Mr. Crowe.

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### SCIENCE (PHYSICAL)

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#### Physics

**30. Mechanics and Heat.**—Thirteen hours a week. Four quarter hours.

First six weeks:

7:15 daily, and 10:25 and 11:20, except Thursdays, Room 36, Mr. Railsback.

**31. Electricity and Magnetism.**—Thirteen hours a week. Four quarter hours.

First six weeks, 1931:

**32. Light and Sound.**—Thirteen hours a week. Four quarter hours.

First six weeks, 1932:

**43. Radio.**—A study is made of the principles underlying radio communication. The course includes a study of some typical circuits used in receiving sets and a detailed study of the function of inductance, capacitance, and resistance in electric circuits. Types of vacuum tubes are discussed.

In the laboratory, electrical measurements of parts and assembled units are made. This includes taking characteristic curves of vacuum tubes. Prerequisite: Physics 21 or 31. Thirteen hours a week. Four quarter hours.

First six weeks:

8:10 daily, and 10:25 and 11:20, except Thursdays, Room 36, Mr. Railsback.

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### THE REGULAR SCHOOL YEAR

The fall quarter of the school year 1930-1931 will begin Saturday, September 6, 1930, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.



# SUMMER QUARTER PROGRAMME—SECOND SIX WEEKS, 1930

7:15-8:05	8:10-9:00	9:30-10:20	10:25-11:15	11:20-12:10	1:30-2:20	2:25-3:15	3:15-4:05
I Hygiene 20b	I Hygiene 20a	II Hygiene 20b	II Hygiene 20a				
Mr. Crowe R. 37	R. 37	R. 37	R. 37				
History 34*	History 31*				History 34*	History 31*	
Mr. Thomas R. 35	R. 35						
Government 44*	History 35*	English 21b	English 20b		Government 44*	History 35*	
Mr. Seymour R. 9	R. 9	Miss Collins	R. 24				
English 26*	English 46*		English 45*		English 26*		
Miss Collins R. 24	Mr. Widger R. 27						
English 22b		English 44a or b	English 25b	Reading 24b			
Mr. Giles R. 18		R. 18	R. 18	R. 18			
Arithmetic 21a	Arithmetic 20*	Manual Arts 24a	Manual Arts 24b		Arithmetic 21b	Arithmetic 20*	
Mr. Lantz R. 25	R. 25	Mrs. Ashley	R. 16 P		R. 25		
Manual Arts 25, 33, 34, 35		Manual Arts 47a or b Manual Arts 48a or b Manual Arts 54a or b		† Manual Arts 30, 31, 32, 49, 50, 51, 52			
Mr. Ashley	R. 14 P	Manual Arts 43a or b Manual Arts 54a or b		R. 19 P			
Manual Arts 36a or b; 37a or b; 39a or b		Manual Arts 43a or b Manual Arts 54a or b		R. 4 P	Manual Arts 53a or b Manual Arts 57a or b		
Mr. Hughes	R. 12 P	R. 4 P			R. 19 P		
	Art 31 and Art 44		Art 24b	Art 24a			
	Mrs. Moore	Third floor east					
Education 21*	Education 20*				Education 21*	Education 20*	
Mr. Hostetler R. 17	R. 17						
Education 23*	Education 24*				Education 23*	Education 24*	
Mr. Sheppard R. 10	R. 10						
Botany 21*—2, 3, 5, 6		Botany 21*—2, 3, 5, 6		Botany 20*— 2, 3, 5, 6		Botany 20*—2, 3, 4, 5	
Mr. Stover							
Zoology 20*— 2, 3, 4, 5	Zoology 22*— 2, 3, 4, 5		Zoology 20*—2, 3, 4, 5			Zoology 22*—2, 3, 4, 5	
Mr. Spooner							
Geography 20*	Geography 21*	Botany 43, 44, 45—2, 3, 5, 6			Geography 20*	Geography 21*	
Miss Harris R. 16	R. 16	Zoology 43, 44, 45—2, 3, 4, 5					

† And four additional hours a week.

English 20b (composition) is open only to those who completed English 20a in the first six weeks, 1930.

English 21b (composition) is open only to those who completed English 21a in the first six weeks, 1930.

For explanatory notes see programme for first six weeks.