

1937

1937 The Teachers College Bulletin (Summer Session)

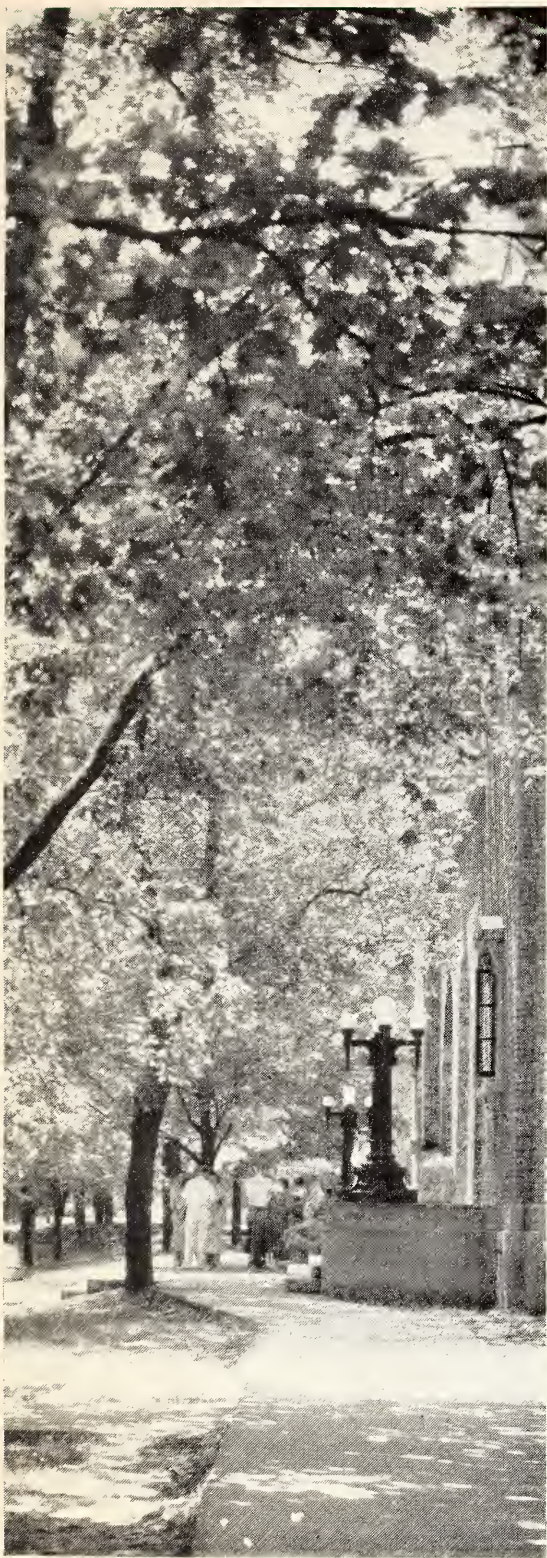
Southern Illinois State Normal University

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1937

STATE OF ILLINOIS
HENRY HORNER, GOVERNOR

SUMMER
SESSION

JUNE 7 TO JULY 30

SOUTHERN ILLINOIS STATE
NORMAL UNIVERSITY
CARBONDALE, ILLINOIS



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STATE OF ILLINOIS
HENRY HORNER, GOVERNOR

Southern Illinois
State Normal University
THE TEACHERS COLLEGE BULLETIN

VOLUME XXXI

CARBONDALE, ILLINOIS, JANUARY, 1937

NUMBER 1

ANNOUNCEMENT OF THE
SUMMER SESSION

June 7 to July 30, 1937

PUBLISHED QUARTERLY BY THE UNIVERSITY
JANUARY APRIL JULY OCTOBER

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CALENDAR

1937-38

Mid-Spring Session

1937		
April 26,	Monday	Registration, Mid-Spring
May 30,	Sunday	Baccalaureate Service
June 1-3,	Tuesday-Thursday	Final Examinations
June 4,	Friday	Sixty-first Annual Commencement

Summer Session

June 7,	Monday	Registration, Summer Session
June 8,	Tuesday	Instruction begun
July 30,	Friday	Final Examinations

Fall Quarter

Sept. 7-8,	Tuesday-Wednesday	Freshman Registration, Fall Quarter
Sept. 9,	Thursday	Upperclassman Registra- tion, Fall Quarter
Sept. 10-11,	Friday-Saturday	Instruction begun
Oct. 22-23	Friday-Saturday	Homecoming
Nov. 23-24,	Tuesday-Wednesday	Final Examinations
Nov. 25-26,	Thursday-Friday	Thanksgiving Recess

Winter Quarter

Nov. 29,	Monday	Registration, Winter Quarter
Nov. 30,	Tuesday	Instruction begun
Dec. 17,	Friday	Christmas vacation begun
1938		
Jan. 3,	Monday	Instruction resumed
March 3-4,	Thursday-Friday	Final Examinations
March 5-13,		Spring vacation

Spring Quarter

March 14,	Monday	Registration, Spring Quarter
March 15,	Tuesday	Instruction begun
April 21,	Monday	Registration, Mid-Spring
May 29,	Sunday	Baccalaureate Service
May 31, June 1-2,	Tuesday-Thursday	Final Examinations
June 3,	Friday	Sixty-second Annual Commencement

Summer Session

June 6,	Monday	Registration, Summer Session
June 7,	Tuesday	Instruction begun
July 29,	Friday	Final Examinations

CARBONDALE, ILLINOIS

SOUTHERN ILLINOIS STATE NORMAL UNIVERSITY

STATE OF ILLINOIS

HENRY HORNER
Governor

ADMINISTRATIVE OFFICERS OF THE SUMMER SESSION

ROSCOE PULLIAMPresident
G. D. WHAM.....Dean of the Faculty
E. G. LENTZ.....Dean of Men
LUCY K. WOODY.....Dean of Women
B. W. MERWIN.....Director of Training Schools
MARJORIE SHANK Registrar
EDWARD V. MILES, JR.....Business Manager
R. M. NOLEN.....Director of Extension
SARA BAKER.....Head of Anthony Hall
ALICE PATTERSON.....Secretary to the President

NORMAL SCHOOL BOARD

JOHN J. HALLIHAN.....Director of Registration and Education

Ex-Officio Chairman

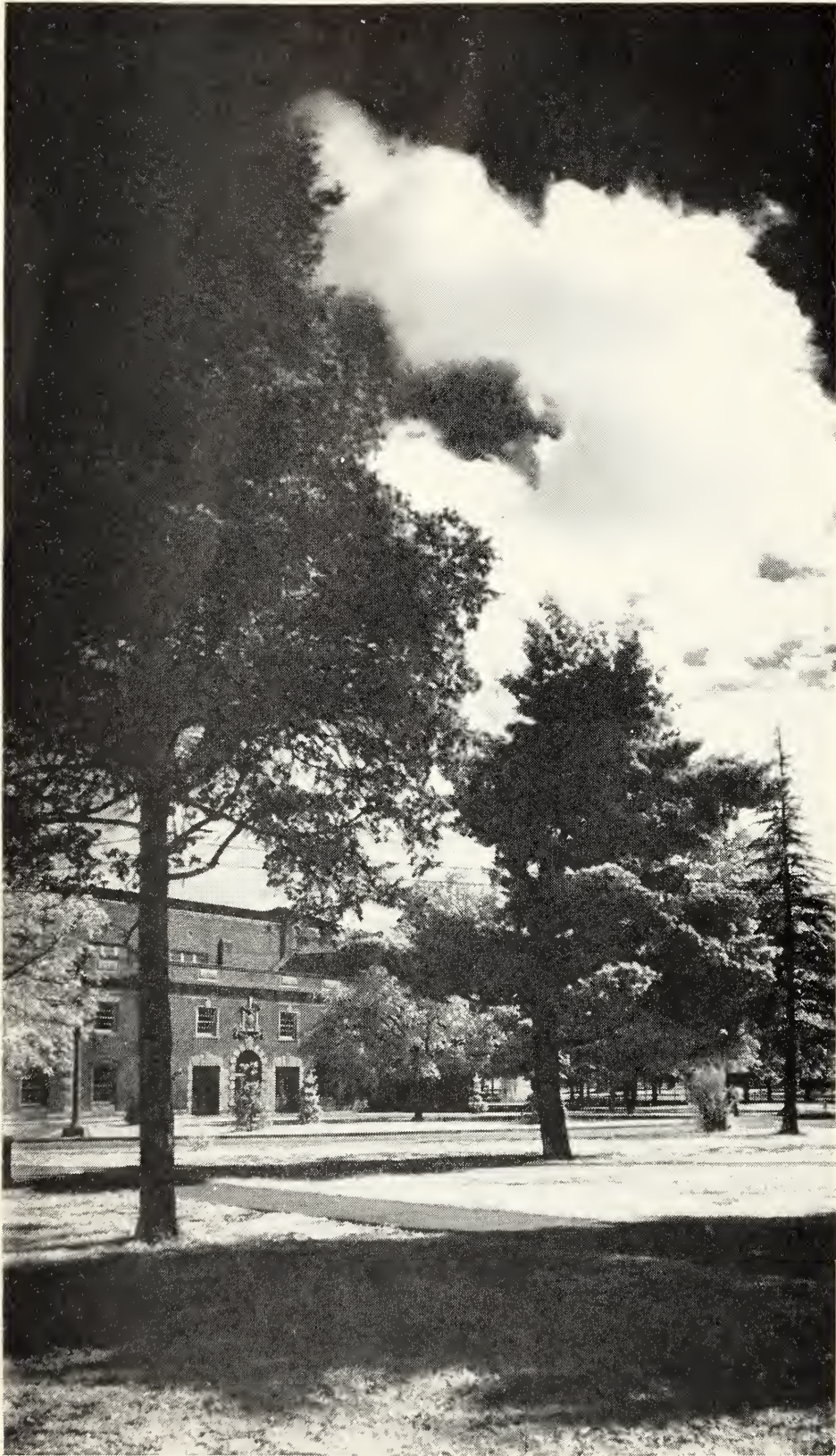
JOHN A. WIELAND.....Superintendent of Public Instruction

Ex-Officio Secretary

HARRIET A. MCINTIRE.....Mendota
JOHN D. DILL.....2021½ W. Main St., Carbondale
WILLIAM R. BACH.....507-511 Livingston Bldg., Bloomington
CHARLES E. McMORRIS.....Marshall
WILLIAM E. SUNDERMAN.....Charleston
JACOB ALSCHULERAurora
PRESTON BRADLEY.....941 Lawrence Ave., Chicago
MRS. REED GREEN.....Cairo
ROSWELL B. O'HARA.....Macomb

Southern Illinois State Normal University is fully accredited as a Four-Year Teachers College by the American Association of Teachers Colleges and by the North Central Association of Colleges and Secondary Schools.

SA 3
A 5
1937-38



Summer Session,
June 7 to
July 30, 1937.

THE CAMPUS
Gymnasium in the Background.

PRESIDENT'S FOREWORD

As we open the 1937 summer session, Southern Illinois State Normal University will enter upon its sixty-third year of service to Southern Illinois. Throughout this long period, the first concern of the school has always been to provide opportunity for further education to the teachers of the region. With this bulletin we are announcing our offering for another eight-week summer term. We regard it as the most important single term of the whole school year, because of the large number of teachers already in service who will attend it.

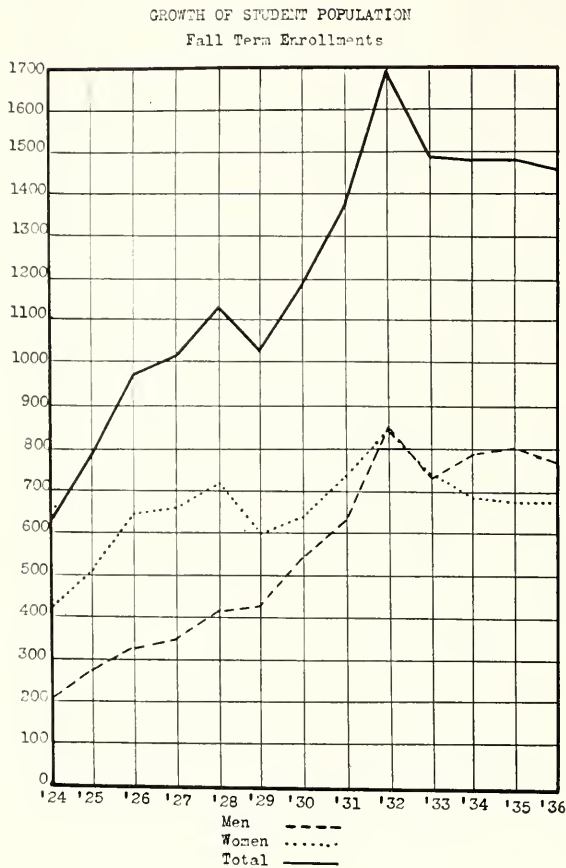
Last year a number of innovations in the summer term program were tried out. Most important among them were a carefully planned program of entertainment and social activity, and a short institute for teachers and administrators who could not or did not care to attend the whole term. These features will be continued, and, we hope greatly improved by the experience of last year. This year we have given particular attention to the problem of providing specially planned courses for mature teachers who do not expect to graduate, and who, therefore, want work which will give them a maximum amount of immediate practical help with their teaching problems. We expect to give such mature students all the freedom of selection they desire and to make the work interesting and practical. We hope many teachers will take advantage of these courses.

We cannot refrain from calling the attention of former students and other friends of the school to two important matters that are presented in this bulletin. First, we call attention to the remarkable growth in enrollment, shown by the graph on page 6, which the school has experienced since 1924. During this time enrollment in the college proper has increased 128 per cent. This growth has been accompanied by an equally significant growth in the scholastic standing of the school. One result of this growth is that the College very seriously needs additional space to do its work. This need is particularly acute in the training school. Southern Illinois State Normal University now stands alone as the only fully accredited institution of higher learning in the south third of the State. Not only should it provide fully adequate facilities for the students who attend it; it should also maintain in its training school a model of what a small public school should be. To this end the Normal School Board and the Administration of the College have planned as soon as possible to add a new and completely modern training school building to the College plant.

The second matter to which we call special attention is the record which the College maintains in placing its worthy students in teaching positions. The distribution through the state of teachers educated in this school is shown by the map on page 7. We hope through our placements office to improve this service to the schools and to the students of the College, extending it not only to present graduates, but to successful alumni as well.

We respectfully submit this summer term bulletin for the approval of the teachers of Illinois.

CULTURAL OPPORTUNITIES



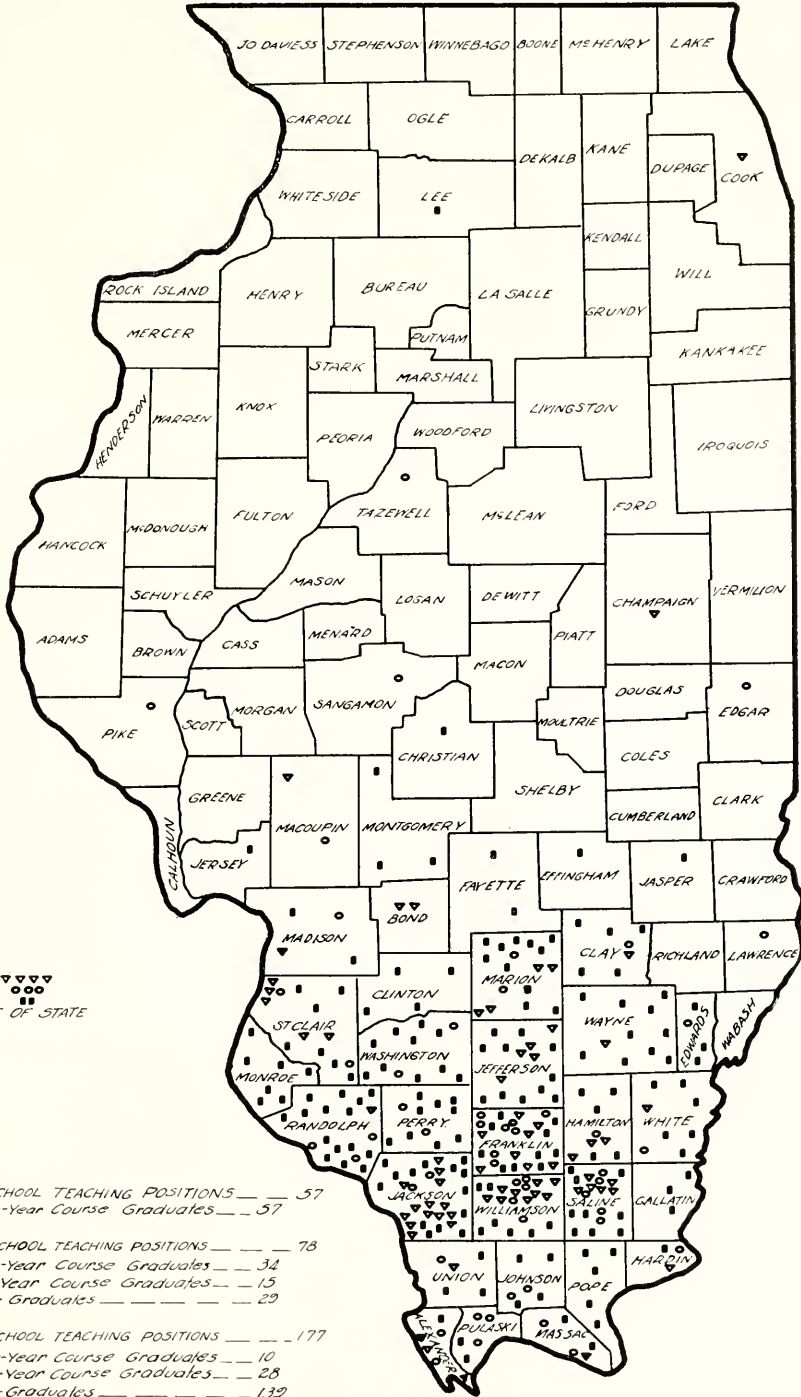
During the summer of 1937 the college will continue and enlarge the varied program of intellectual and artistic activities which was inaugurated in 1936. That part of the tuition fee which is allotted to entertainment makes it possible to bring to the campus the best talent available on the concert and lyceum platforms and in traveling dramatic companies. In 1936 the college brought the Jitney Players in an excellent production of *The Rivals* and the W. P. A. Symphony Orchestra.

In order to provide for the varied interests of summer students the Tuesday chapel period is set aside for special programs. The college departments are divided into six groups as follows: Humanities, Biological Sciences,

Physical Sciences, Social Studies, Practical Arts and Crafts, and Professional Studies. As three groups are responsible for programs each week, one can be certain of at least three types of programs to choose from. Attendance at these meetings is, of course, optional. Among those programs most popular in the summer of 1936 were an illustrated lecture on American regional art, a discussion of the practical aspects of managing a rabies situation, a talk by a forester in the federal forestry service, and student forums on the issues involved in the 1936 political platforms.

A third aspect of the extracurricular educational program is the trips made by various groups for various purposes. The Art Department sponsors a trip by bus to Saint Louis to visit the City Art Museum. Other expeditions will be organized to study the various geographic and geologic phenomena and historical and archeological remains of southern Illinois. Many such points of interest formerly inaccessible are now easily reached by all-weather surfaced roads in an hour's drive from the college. The Shawnee Hills of southern Illinois are nationally known for their abundant geologic phenomena and excellent exposures. This section is rich in prehistoric remains such as cave-dwellings, flint mines, salt works,

1936 TEACHING POSITIONS



▽▽▽
○
■
OUT OF STATE

○	HIGH SCHOOL TEACHING POSITIONS	57
	Four-Year Course Graduates	57
▽	GRADE SCHOOL TEACHING POSITIONS	78
	Four-Year Course Graduates	34
	Two-Year Course Graduates	15
	Non-Graduates	29
■	RURAL SCHOOL TEACHING POSITIONS	177
	Four-Year Course Graduates	10
	Two-Year Course Graduates	28
	Non-Graduates	139
	TOTAL TEACHING POSITIONS	312

mounds, and rock carvings. There are also available many evidences of the early occupancy of the Europeans—villages, forts, monasteries, etc. Many people will find interesting such present-day conservation projects as the Shawnee National Forest Purchase units, the Dixon Springs Pasture and Erosion Control Demonstration, the Crab Orchard Creek Lake, and the Wild Turkey Hatchery. Indeed southern Illinois furnishes abundant opportunities for cultural relaxation, and it is the purpose of the college to make them available to the students.

The practice of holding educational conferences at the Southern Illinois Teachers College will be continued. It is hoped that at least one conference will be held each summer, devoted to whatever educational question seems to be of most immediate



Natural Bridge, Pomona, Illinois.

importance. In 1936 discussion centered about questions involved in curriculum building, to the end that the entire school personnel of the State might be interested in fundamental curriculum revision. In 1937 there will be an educational conference on phases of Elementary Education. Associated with it will be a janitor's school, said to be the only one of its kind in the state. There will also be an exhibit of textbooks, devices for visual instruction, and school supplies. Outstanding men in these fields are being secured to direct the week's activities.

Recreation

It is intended that summer students at S. I. N. U. have ample opportunity for recreation. Two out-door student dances are given, a good orchestra being provided by the entertainment fee included in the tuition. The first of these dances is preceded by a reception,

which gives students an opportunity to meet the President and a number of the faculty. At least one bus trip to the Municipal Opera in Saint Louis is sponsored by the college. Several evening concerts are given by the music department, half an hour being devoted to orchestra or band music and half an hour to community singing. An effort is made to make the Friday chapel programs purely recreational. Some of them are devoted to community singing, and student talent is used almost exclusively in the others. Attendance is optional.

In order to furnish opportunities for students to engage in sports, the college physical education department, under the direction of Mr. William McAndrew, sponsors each summer a baseball league, a tennis tournament, and other sports as desired by the stu-



Tennis at S. I. N. U.. Summer, 1936.

dents. Baseball was particularly popular in 1936, with eight teams competing. The baseball season is managed by Dr. Richard L. Beyer; all men are eligible. The tennis tournament, managed by Dr. Charles Tenney, is open to all students; there will be matches in men's and women's singles and doubles and in mixed doubles. Golfers will find convenient the two country clubs near Carbondale, which extend golfing privileges to non-resident students for a nominal fee. The city reservoir park furnishes opportunities for boating and fishing.

A sports program for women is sponsored by the department of women's athletics. Opportunity is provided for participation in all the recreational sports at least twice a week, sometimes in the afternoon and sometimes in connection with picnic suppers. Tournaments are organized in any of the following sports when interest warrants: archery, badminton, deck tennis, horse shoes, ping pong, shuffle board, and tennis.



Baseball at S. I. N. U., Summer, 1936.

BUILDINGS AND GROUNDS

During the past two years the college has been engaged in an extensive program of improvement and redecoration, largely made possible by grants from the W. P. A. and the P. W. A. In all about \$150,000 has been spent to improve and beautify the grounds and buildings. The student who returns for summer work in 1937 will notice a campus and athletic fields much improved by landscaping and will find very useful the additional electrical equipment permitted by the new underground system of electrical distribution. The \$75,000 stadium now under construction will probably be ready for the 1937 football season.

Three buildings have especially profited by the improvement program. The old Main Building has had most of its walls redecorated, and the Old Science Building and Wheeler Library have undergone fundamental renovation. Old Science has been re-roofed, the corridors and Old Gymnasium have been refloored, and new steel stairways have been installed. The redecoration of the Old Gymnasium should make it a very attractive place for social activities. On the second floor a small auditorium has been created which will provide a suitable place for productions of The Little Theatre and for meetings of the literary societies and other organizations. A special feature of this room will be removable panels to provide for frequent art exhibits. Probably the most attractive redecoration project is the interior of the library. Against a background of wedgewood blue the white architectural details stand out with



Interior of Wheeler Library.

really impressive beauty. The utility of the library has also been increased, the structure having been strengthened to provide further space for both stacks and reading rooms. A second floor reading room is devoted to the use of reserved books.

SUMMER TERM ATTRACTIONS

To Be Presented at the General Assembly Exercises

- June 15. Nicholas Wreden, author of "The Unmaking of a Russian".
Subject: "Catering to America's Literary Taste".
- June 17. Dr. Sigmund Spaeth, the "Tune Detective".
- June 22. Father Link, naturalist, who will lecture on the twenty-second and conduct a field trip the twenty-third.
- July 1. Coffe-Miller Players, Dramatic Production: "Shadows Across the Throne".
- July 6. Dr. No-yong Park, eminent Chinese scholar and lecturer.
- July 8. Casey Lutton, singer.
- July 13. Mr. C. William Duncan, Columnist, Philadelphia Evening Ledger.
- July 20. Dr. Harry Elmer Barnes, celebrated historian and author.
Other attractions are to be arranged.



French Club Picnic at the South Country Club.

GENERAL INFORMATION

Fees for the summer session total \$11.25 for all who sign the agreement to teach. For others they are \$16.67. These fees, set by the Teachers College Board, are uniform for all State Teachers colleges in Illinois. This charge includes the fees for registration, limited medical service and hospitalization, library, and gymnasium and athletics. In addition to this, each student receives the weekly *Egyptian* and is given at the time of registration a ticket to the entertainment course.

While this announcement of courses for the 1937 Summer Session may not be taken as final, most of the subjects will be given as scheduled. The normal student load will be twelve quarter hours, the equivalent of eight semester hours of work. Students with excellent records may register for fourteen credit hours, the maximum load. Two, three, four, and five quarter-hour courses are offered this summer session, the days on which each course meets being indicated in the description of the course. Each class period is 60 minutes in length. The summer school day is divided into five periods and an assembly hour as follows:

1st hours—7:05-8:05

2nd hour—8:10-9:10

Assembly—9:15-9:45

3rd hour— 9:50-10:50

4th hour—10:55-11:55

5th hour—12:00 1:00

Courses numbered 100-199 are primarily for freshmen; 200-299, for sophomores; and 300 and above, for junior and seniors.

REQUIREMENTS FOR GRADUATION

All of the work offered in the summer session carries regular college credit. A student may fulfill many of the requirements for the Bachelor of Education degree by attending summers. A total of 198 quarter hours of credit, six of which are in gymnasium, are required for the degree. A student may prepare for high school teaching, in which case he must select an academic major and minor; or he may take the Bachelor of Education degree in elementary education, in which case he specializes in the subjects appropriate to this field. Following are the requirements which should be fulfilled by all students within the first two years of attendance:

Social Studies—15 Quarter Hours

History 110A, 105A—5 hours

Political Science 200—5 hours

Economics 205—5 hours

Humanities—15 Quarter Hours

Rhetoric 101, 102—6 hours

Literature 207, 208, 209—6 hours

Music 100 (205), or Art Appreciation 120—3 hours

Biology and Earth Sciences—14 Quarter Hours

Health Education 202—4 hours

Botany 101, 102, or Zoology 101, 105—5 hours

Geography 100—5 hours

Physical Sciences and Math.—12 Quarter Hours

Chemistry, Physics 101, 102, or Math. 111, 112

(12 hours selected from two departments)

Practical Arts and Crafts—3 Quarter Hours

Agriculture, Household Arts, Industrial Arts 203,
Commerce

(not required if student has had any of this work
in High School)

Physical Education is required of all Freshmen.

A reading knowledge of some foreign language (to be determined by examination) is required for graduation. For some students this would require 3, 6, or 9 hours of class work.

Other degree requirements are as follows:

Psychology—8 hours: 206-4, 305-4

Education—12 hours: 315-4, 310-4, 320-4

Practice Teaching—12 hours.

Major—36 to 50 hours

Minor—24 hours

Students preparing for the Limited Elementary Certificate at the end of two years may secure suggested outlines for rural teachers and for village and elementary school teachers from their advisers or the Registrar.

REGISTRATION

Admission to the summer session is limited to graduates of accredited high schools and to those mature teachers whose experience entitles them to admission without high school graduation. The latter, however, will be admitted as unclassified students. Any student contemplating matriculation should have a transcript of his high school record and such college credits as he may have sent to the Registrar prior to his coming.

Miss Bowyer is the adviser for the freshman class. She is assisted by a number of sponsors who advise the first-year students individually. All sophomores register with Dean G. D. Wham. Juniors and seniors preparing for high school teaching should report to the heads of the various departments in which they are majoring for approval of their assignment cards. Mr. Barton advises the unclassified students, and Mr. Thalman advises those who already have degrees. Students who are specializing in elementary education and are not majoring in an academic subject should register with Mr. Merwin.

BOARD AND ROOM

Women may secure board and room at Anthony Hall for \$6.00 a week. Anyone interested should write to Miss Sara Baker, Head of Anthony Hall, and make a deposit of \$5.00 to reserve a room.

Students may secure board and room in Carbondale at similar prices or may secure rooms with light-housekeeping facilities, two persons to a room, at a cost of \$1.50 or \$2.00 a person. Men desiring information concerning board and room are requested to write to Mr. E. G. Lentz, Dean of Men, and women should write to Miss Lucy K. Woody, Dean of Women. Other members of the Housing Committee are Mr. W. M. Bailey and Miss Florence Denny.

AGRICULTURE

R. E. MUCKELROY, M. S.

120. **POULTRY.** Business methods in poultry, production and marketing as related to the farm and teachers' income. Illustrative materials are given on the State Farm.
- | | | | | |
|--------|--------|------|----------|------------|
| Credit | Period | Days | Room | Instructor |
| 2 hrs. | 1 | TTF | 104 Main | MUCKELROY |
210. **SOILS AND ANIMALS.** Intended especially for teachers who expect to teach agriculture in the country schools or first year of high school. The first half of the course is devoted to soils, physical and chemical properties; the second half, to the study of types of farm animals: better care and management, milk and cream testing, and the use of by-products.
- | | | | | |
|--------|---|-------|----------|-----------|
| 4 hrs. | 3 | MTWTF | 104 Main | MUCKELROY |
|--------|---|-------|----------|-----------|
260. **VEGETABLE GARDENING.** A study of home and commercial gardens: locations, types of soils, fertility, seed selection, tillage, harvesting, crating, packing, and marketing. Demonstration work on the State Farm.
- | | | | | |
|--------|---|-----|----------|-----------|
| 2 hrs. | 1 | MWF | 104 Main | MUCKELROY |
|--------|---|-----|----------|-----------|
350. **FARM MANAGEMENT.** Planned for two groups of students: first, the majors in agriculture who will be given additional problems to work out, and second, the teacher-farmer student who may be searching for better methods to make his farming interest more profitable.
- | | | | | |
|--------|---|-------|----------|-----------|
| 4 hrs. | 5 | MTWTF | 104 Main | MUCKELROY |
|--------|---|-------|----------|-----------|

ART

GLADYS P. WILLIAMS, M.A.; LULU D. ROACH, Ph.B.; BURNETT H. SHRYOCK, A.B.

105. **FREEHAND DRAWING.** An introduction to art through experimentation with different mediums, and to the fundamental principles of art.
- | | | | | |
|--------|---|-------|----------|---------|
| 4 hrs. | 4 | MTWTF | 203 Main | SHRYOCK |
|--------|---|-------|----------|---------|
110. **PRINCIPLES OF DESIGN.** A study of the evolution of design in order to provide a background for an understanding and evaluation in making pure creative designs for everyday life to comply with 20th century demands. Prerequisite: Art 115.
- | | | | | |
|--------|---|-------|----------|----------|
| 4 hrs. | 3 | MTWTF | 201 Main | WILLIAMS |
|--------|---|-------|----------|----------|
115. **ELEMENTARY WATER COLOR.** A study of the theory, harmony, and application of water color.
- | | | | | |
|--------|---|-------|----------|-------|
| 4 hrs. | 1 | MTWTF | 202 Main | ROACH |
|--------|---|-------|----------|-------|
125. **LETTERING.** A course planned to give the students an understanding of the essentials of good lettering in order to design layouts for lettering.
- | | | | | |
|--------|---|-----|----------|---------|
| 2 hrs. | 5 | TTF | 203 Main | SHRYOCK |
|--------|---|-----|----------|---------|

205. ART EDUCATION IN THE PUBLIC SCHOOLS. Includes the development of an integrated curriculum of art and methods of presenting art principles to children on the various age levels. Prerequisites: Art 105, 110, 115.
- | | | | | |
|--------|--------|-------|----------|------------|
| Credit | Period | Days | Room | Instructor |
| 4 hrs. | 3 | MTWTF | 202 Main | ROACH |
220. ADVANCED WATER COLOR. Manipulation of water-color, using still-life and nature. Prerequisite: Art 115.
- | | | | | |
|--------|-----|-------|----------|---------|
| 4 hrs. | 1-2 | MTWTF | 203 Main | SHRYOCK |
|--------|-----|-------|----------|---------|
240. ART APPRECIATION FOR TEACHERS. A course designed to develop a background that will foster a knowledge of universal qualities and an intelligent understanding and appreciation of masterpieces in art education. Lectures, lantern slides, organization and classification of colored prints: discussions and reports required.
- | | | | | |
|--------|---|-------|----------|----------|
| 4 hrs. | 5 | MTWTF | 201 Main | WILLIAMS |
|--------|---|-------|----------|----------|
325. ELEMENTS OF COMPOSITION. A continuation of 220 or 320 including still life, landscape composition, and illustrative uses of the costumed figure in water color or oil.
- | | | | | |
|--------|-----|-------|----------|----------|
| 4 hrs. | 1-2 | MTWTF | 201 Main | WILLIAMS |
|--------|-----|-------|----------|----------|

BOTANY

WILLIAM M. BAILEY, Ph.D.; MARTHA SCOTT, M.S.; MARY GODDARD, M.S.; WILLARD M. GERSBACHER, Ph.D.

102. GENERAL BOTANY. A brief study of representative plants of the great plant groups, the general classification of plants, and the evolution of the plant kingdom.
- | | | | | |
|--------|-----|-------|---------------|-------------------|
| 5 hrs. | 3-4 | MTWTF | 102-3 Science | GODDARD,
SCOTT |
|--------|-----|-------|---------------|-------------------|
131. FIELD BIOLOGY. A course for those who are planning to teach in the rural or elementary schools. The methods for the identification of various types of plants and animals, such as trees, weeds, birds and insects will be studied. The location of source material suitable for teaching nature study in the grades will be stressed.
- | | | | | |
|--------|-----|-------|---------------|------------|
| 5 hrs. | 1-2 | MTWTF | 102-3 Science | GERSBACHER |
|--------|-----|-------|---------------|------------|
203. SYSTEMATIC BOTANY. A study of the principles of classification and the use of manuals, and work in the classification and identification of seed plants and ferns of the local flora.
- | | | | | |
|--------|-----|-------|-------------|--------------------|
| 5 hrs. | 3-4 | MTWTF | 103 Science | BAILEY,
GODDARD |
|--------|-----|-------|-------------|--------------------|
250. EVOLUTION AND GENETICS. A general course in the study of the facts and theories of the evolution of the plant and animal kingdoms, and heredity in plants and animals. Prerequisites: Botany 102 and Zoology 105.
- | | | | | |
|--------|-----|-------|-------------|-------|
| 5 hrs. | 1-2 | MTWTF | 201 Science | SCOTT |
|--------|-----|-------|-------------|-------|

302. BRYOPHYTES AND PTERIDOPHYTES. A study of the liverworts, mosses, ferns, equisetums, and clubmosses. Prerequisites: Botany 101 and 102.

Credit	Period	Days	Room	Instructor
4 hrs.	5	MTWTF	201 Science	BAILEY

360. MYCOLOGY. A study of lower and higher fungi. Attention is given to pathogenic forms. Prerequisites: Botany 101, 102 and 103.

5 hrs.	1-2	MTWTF	201 Science	GODDARD
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CHEMISTRY

J. W. NECKERS, Ph.D.; R. A. SCOTT, Ph.D.; T. W. ABBOTT, Ph.D.;
K. A. VAN LENTE, Ph.D.

101. GENERAL CHEMISTRY. A survey course for those with no previous instruction in the science. A study is made of the general composition of matter, then of valence and specific substances, such as water, oxygen, hydrogen, and other non-metals.

4 hrs.	Lect. 2	TTF	203	SCOTT
			Parkinson Lab.	
	Lab. 1-2	MW	210	

102. GENERAL CHEMISTRY. A continuation of Chemistry 101, completing a survey of the non-metals, followed by that of the metals and simple organic and biological chemistry. Prerequisite: Chemistry 101.

4 hrs.	Lect. 3	MWF	203	SCOTT
			Parkinson Lab.	
	Lab. 3-4	TT	210	

103. GENERAL CHEMISTRY. A study of theoretical chemistry and accompanying calculations. A more intensive study of some of the compounds surveyed in previous courses is also accomplished. Prerequisite: Chemistry 102 or 152.

4 hrs.	Lect. 3	TT	201	VAN LENTE
			Parkinson Lab.	
	Lab. 3-4	MWF	202	

201. QUALITATIVE ANALYSIS. A study of the method and theory of the qualitative separation and identification of the metals and their application in the laboratory. Prerequisite: Chemistry 103.

4 hrs.	Lect. 3	TT	201	NECKERS
			Parkinson Lab.	
	Lab. 3-4	MWF	203	

302. ORGANIC CHEMISTRY. A continuation of the study of aliphatic compounds and an introduction to aromatic compounds. Prerequisite: Chemistry 301.

4 hrs.	Lect. 2	MWTh	202	ABBOTT
			Parkinson Lab.	
	Lab. 2-3	TuF	204	

425. PHYSICAL CHEMISTRY. A course in physical chemistry intended to meet the needs of biology students. It includes a study of gases, liquids, solids, solutions, homogeneous and heterogeneous equilibria, chemical kinetics, measurement of pH, and other phases of electrochemistry in both lecture and laboratory. Prerequisites: Chemistry 253 and 302.

Credit	Period	Days	Room	Instructor
5 hrs.	1-2	MTWTF	202-205 Parkinson Lab.	VAN LENTE

COMMERCE

T. L. BRYANT, A.M.; SUSIE OGDEN, M.A.; KATHRYN CAVELIA, M. A.

101. HANDWRITING. Special attention to legibility, ease, and rapidity of execution, and methods of teaching handwriting from both the remedial and development standpoints. Both manuscript and cursive handwriting will be taught. Two hours credit on the Limited Elementary Certificate; none on the degree.

2 hrs.	1 o'clock	MWF	309 Main	OGDEN
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102. TYPEWRITING. Beginning typewriting, offered particularly for teachers in service who have felt the need of a knowledge of the subject. This course is also open to students who plan to complete the second and third terms during the regular year.

4 hrs.	1	MTWTF	308 Main	CAVELIA
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201. GENERAL BUSINESS INFORMATION. A course which deals with business information which everyone in the present complicated economic society should know.

4 hrs.	4	MTWTF	309 Main	OGDEN
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206. ACCOUNTING. Partnership accounting. Several sets are worked out. This course embodies all the principles taught in Commerce 205. The student is familiarized with negotiable instruments and their uses. Prerequisite: Commerce 205 or its equivalent.

4 hrs.	5	MTWTF	309 Main	OGDEN
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210. COMMERCIAL LAW. A comprehensive training in the law pertaining to business. Governing principles of law and differences in fundamental principles of dissenting authorities are studied, leading illustrative cases being examined.

4 hrs.	3	MTWTF	309 Main	BRYANT
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215. METHODS IN TYPEWRITING. A course designed to cover the latest methods in the teaching of typewriting, open to in-service and pre-service commerce teachers. Prerequisites: One year of instruction in typewriting.

4 hrs.	5	MTWTF	308 Main	CAVELIA
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218. **METHODS IN SHORTHAND.** The latest methods in the teaching of Gregg Shorthand. Open to in-service and pre-service commercial teachers, who have had at least one year of instruction in Gregg Shorthand.

Credit	Period	Days	Room	Instructor
4 hrs.	3	MTWTF	307 Main	CAVELIA

320. **METHODS IN BUSINESS ARITHMETIC.** Methods in commercial arithmetic, designed to prepare commerce majors and minors to meet the state requirements for teaching commercial arithmetic.

4 hrs.	2	MTWTF	309 Main	OGDEN
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337. **SALESMANSHIP.** A study of the fundamentals of salesmanship: the functions of salesmanship, the qualifications of the salesman, and the steps of a sale from its beginning to closing. The students will be given practice in sales talks in class.

4 hrs.	5	MTWTF	309 Main	BRYANT
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338. **COST ACCOUNTING.** A branch of accounting procedure concerned with the recording and analysis of expenditures, the preparation of statements and reports based thereon, and the interpretation of data thus obtained for the use of management. Offered first time, summer, 1937. Prerequisite: One year of Accounting.

4 hrs.	1	MTWTF	309 Main	BRYANT
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ECONOMICS

RUSSELL M. NOLEN, Ph. D.; J. W. DILLOW, M. A.

205. (305) **PRINCIPLES OF ECONOMICS.** The principles that underlie the production, exchange, and distribution of wealth.

5 hrs.	1	MTWTF	101 Main	NOLEN
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2	Tu
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5 hrs.	3	MTWTF	101 Main	DILLOW
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4	Th
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5 hrs.	5	MTWTF	101 Main	DILLOW
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6	Tu
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206. **ECONOMIC PROBLEMS.** A continuation of Economics 205, which emphasizes such economic problems as foreign trade, tariff policy, taxation, labor movements, and railroad regulations. Prerequisite: Economics 205.

3 hrs.	2	MWTF	102 Main	DILLOW
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310. **LABOR PROBLEMS.** A study of conditions under which labor has worked since the industrial revolution, treating such topics as trade union policies, unemployment, trade agreements, conciliation, arbitration, immigration, and industrial education. Prerequisites: Economics 205 and 206.

3 hrs.	4	MTWF	102A Main	NOLEN
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370. BUSINESS CYCLES. A study of the major business fluctuations in the United States, an examination of the price changes, inflation, deflation, and governmental action during the cycles.

Credit	Period	Days	Room	Instructor
3 hrs.	2	MWTF	101A Main	NOLEN

EDUCATION

GEO. D. WHAM, B.Ed.; F. G. WARREN, A.M.; W. A. THALMAN, Ph.D.;
 TED R. RAGSDALE, M. A.; LOUIS W. GELLERMANN, Ph.D.;
 W. G. CISNE, A.M.; W. O. BROWN, A.B.;
 RUBY VANTRUMP, A.M.

206. GENERAL PSYCHOLOGY. An introductory course for students of the four-year curriculum, consisting of a study of the fundamental facts and principles of human behavior. Text: Woodworth's Psychology, or its equivalent.

4 hrs.	1	MTWTF	213 Main	BROWN
4 hrs.	2	MTWTF	213 Main	GELLERMANN

210. PRINCIPLES OF EDUCATION. A brief study of the fundamental principles of education, and their application in the interpretation and criticism of current and proposed educational theory and practice. A detailed study of the various processes of teaching and learning involved in elementary education. Text: Thomas's The Principles and Technique of Teaching, or its equivalent. Prerequisite: Education 205 or 206.

4 hrs.	3	MTWTF	103 Parkinson Lab.	BROWN
4 hrs.	4	MTWTF	213 Main	RAGSDALE

220. ELEMENTARY MEASUREMENTS. A course including a study of both intelligence tests and educational tests, involving the classroom use of the important test materials for elementary school pupils. Text: Webb and Shotwell's Standard Tests in the Elementary School, or its equivalent. Prerequisite: Education 205 or 206.

4 hrs.	1	MTWTF	Allyn	VAN TRUMP
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230. RURAL EDUCATION. A course for those who expect to teach or supervise country schools. It consists of rural school organization and management, rural school methods, the outline of the state course of study, the maintenance of the rural school library, together with about two weeks of rural sociology. Text: Eels, Mueller, and Swain's Rural School management, and Ritter and Wilmarth's Rural School Methods. Prerequisite: Education 205 or 206.

4 hrs.	4	MTWTF	Allyn	BROWN
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235. PRIMARY EDUCATION. A course designed especially for those who expect to teach in the lower grades. A description of the child mind, phenomena of growth, and the instinctive interests

of childhood, followed by a detailed consideration of materials and methods. Text: Parker and Temple's Unified Kindergarten and First-Grade Teaching, or its equivalent. Prerequisite: Education 205 or 206.

Credit	Period	Days	Room	Instructor
4 hrs.	4	MTWTF	Allyn	VAN TRUMP

305. ADVANCED EDUCATIONAL PSYCHOLOGY. A description of the bodily organs and mechanisms upon which behavior depends; a discussion of instinctive activities and capacities; a formulation of the general laws of learning and their applications to teaching; a study of individual differences. Text: Gates' Psychology for Students of Education, or its equivalent. Prerequisite: Education 205 or 206.

4 hrs.	3	MTWTF	105	THALMAN
			Parkinson Lab.	
4 hrs.	5	MTWTF	105	THALMAN

310. PRINCIPLES OF SECONDARY EDUCATION. A study of such topics as adolescence; the history and aims of secondary education; high school courses of study; high school equipment; and the problems of organization, management, and discipline peculiar to the high school. Text: Draper and Robert's Principles of American Secondary Education, or its equivalent. Prerequisite: Education 305.

4 hrs.	3	MTWTF	308 Main	RAGSDALE
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315. HIGH SCHOOL METHOD. A detailed study of the various processes of learning and teaching involved in high school education. Text: Burton's The Nature and Direction of Learning, or its equivalent. Prerequisite: Education 305.

4 hrs.	2	MTWTF	308 Main	RAGSDALE
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320. HIGH SCHOOL MEASUREMENTS. A course including a study of both intelligence tests and educational tests, involving the classroom use of the important test materials for high school pupils. Text: Odell's Educational Measurements in High School, or its equivalent. Prerequisite: Education 305. Not open to those who have taken 220.

4hrs.	4	MTWTF	103	WARREN
			Parkinson Lab.	

325. SCHOOL ADMINISTRATION. A course designed primarily for those who look forward to positions as supervisors, principals, or superintendents. Texts: Cubberley's The Principal and His School, and the Eighth Year Book of the Department of Elementary School Principals, or their equivalents. Prerequisite: Education 305.

4 hrs.	1	MTWTF	107	CISNE
			Parkinson Lab.	

340. CHILD PSYCHOLOGY. An advanced course dealing with the original nature, activities, development, and personality of normal and abnormal children through adolescence. Critical evaluation of methods, theories, and interpretations. Texts: Morgan's Child Psychology and Arlitt's Adolescent Psychology, or their equivalent. Prerequisite: Education 305.

Credit	Period	Days	Room	Instructor
4 hrs.	3	MTWTF	213 Main	GELLERMANN

350. MENTAL HYGIENE. An advanced course dealing with the mental habits, attitudes, and ideals which prevent and promote healthy mindedness. Emphasis is given to practical procedures for administrators and teachers in dealing with the emotional and personality problems of school children in relation to their educational adjustment and progress. Prerequisite: Education 305.

4 hrs.	5	MTWTF	213 Main	GELLERMANN
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360. CURRICULUM. A consideration of current thought with respect to the aims and purposes of education and the techniques essential in the development of curricula. For advanced students only.

4 hrs.	1	MTWTF	103 Parkinson Lab.	WARREN
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420. EDUCATIONAL STATISTICS. A course planned especially for superintendents, principals, and supervisors. It includes such topics as definition and objectives of statistical procedures; methods of securing and arranging educational data; methods of tabulating; a study of the median, mean, mode, and range; mean deviation; standard deviation; variability; coefficient of correlation; measures of reliability; graphic methods; problems of school publicity; and how to use educational statistics in educational work. The laboratory method will be employed in the teaching of this course. Manual: Green's Work-Book in Educational Measurements. Text: Greene and Jorgensen's Use and Interpretation of Educational Tests. Prerequisites: Education 205 or 206, 305, 310 and 220 or 320.

4 hrs.	2	MTWTF	105 Parkinson Lab.	THALMAN
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ENGLISH

EMMA L. BOWYER, A.M.; FRANCES BARBOUR, A.M.; MARY CRAWFORD, A.M.; CHARLES D. TENNEY, Ph.D.; DOROTHY B. MAGNUS, M.A.; WILLIAM B. SCHNEIDER, M.A.; JULIA M. BARBER, M.A.

101. RHETORIC. Exposition with emphasis on the mechanics and the single paragraph.

3 hrs.	1	MTTF	304 Main	BOWYER
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102. RHETORIC. Exposition with the emphasis on the annotated research paper.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 3 hrs. | 2 | MWThF | 302 Main | TENNEY |
| 3 hrs. | 5 | MWThF | 302 Main | |
104. MODERN READING WITH PRACTICE IN COMPOSITION. A study of current literature with exercises based upon it.
- | | | | | |
|--------|---|-------|----------|-----------|
| 3 hrs. | 2 | MWThF | 306 Main | SCHNEIDER |
|--------|---|-------|----------|-----------|
207. TYPES OF ENGLISH LITERATURE. An examination of the various kinds of writings contributed by England to the literature of the modern world.
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|--------|---|-------|----------|-----------|
| 3 hrs. | 2 | MWThF | 301 Main | BARBOUR |
| 3 hrs. | 4 | MTuWF | 304 Main | SCHNEIDER |
208. TYPES OF AMERICAN LITERATURE. A course in American writings similar to the foregoing.
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|--------|---|-------|----------|----------|
| 3 hrs. | 2 | MWThF | 304 Main | CRAWFORD |
| 3 hrs. | 5 | MTTF | 306 Main | BARBER |
209. TYPES OF WORLD LITERATURE. A course similar to 207 and 208 showing the contribution of literature aside from British and American.
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|--------|---|-------|----------|---------|
| 3 hrs. | 3 | MTWTh | 301 Main | |
| 3 hrs. | 5 | MTWF | 304 Main | BARBOUR |
210. FUNDAMENTALS OF SPEECH. A service course for the improvement of the student's speech habits, designed to meet the speech needs and abilities of the individual, based on the results of diagnostic tests. Open to both junior and senior college students. Recommended for the rural and two year courses.
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|--------|---|-------|----------|--------|
| 3 hrs. | 4 | MTuWF | 302 Main | MAGNUS |
|--------|---|-------|----------|--------|
213. CHILDREN'S LITERATURE. A course in the teaching of literature in the rural and village schools.
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|--------|---|-------|----------|--------|
| 3 hrs. | 3 | MTWTh | 304 Main | BOWYER |
|--------|---|-------|----------|--------|
217. ENGLISH GRAMMAR FOR TEACHERS. A review of elementary school grammar.
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|--------|---|-------|----------|----------|
| 3 hrs. | 5 | MTuWF | 301 Main | CRAWFORD |
|--------|---|-------|----------|----------|
218. COMPOSITION FOR ELEMENTARY SCHOOL TEACHERS. Study of the problems of composition in the grade schools.
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|--------|---|-------|----------|--------|
| 3 hrs. | 3 | MTWTh | 306 Main | BARBER |
|--------|---|-------|----------|--------|
300. COMPOSITION FOR HIGH SCHOOL TEACHERS. Study of the problems of composition in the senior high schools.
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|--------|---|-------|----------|-----------|
| 4 hrs. | 1 | MTWTF | 306 Main | SCHNEIDER |
|--------|---|-------|----------|-----------|
302. ENGLISH LITERATURE FROM THE BEGINNING TO 1400. A study of the important writings of the first eight hundred years of England's literary history.
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|--------|---|-------|----------|--------|
| 4 hrs. | 2 | MTWTF | 305 Main | BOWYER |
|--------|---|-------|----------|--------|

305. AMERICAN POETRY. A study of the chief trends in American poetry and of the works of individual authors.
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|--------|--------|-------|----------|------------|
| Credit | Period | Days | Room | Instructor |
| 4 hrs. | 4 | MTWTF | 306 Main | TENNEY |
328. PLAY PRODUCTION. A course for prospective play directors, for the emphasis is on play direction. The course includes a summary of the techniques of all the major theatre arts involved in play production.
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|--------|---|-------|----------|--------|
| 4 hrs. | 3 | MTWTF | 302 Main | MAGNUS |
|--------|---|-------|----------|--------|
341. ADVANCED SPEECH. The study and delivery of types of speeches.
- | | | | | |
|--------|---|-------|----------|--------|
| 4 hrs. | 5 | MTWTF | 305 Main | MAGNUS |
|--------|---|-------|----------|--------|
355. VICTORIAN NOVEL. A study of the backgrounds of the Victorian era and of the work of the major novelists from Dickens to Hardy, including a survey of numerous less important figures. Ten complete novels are read and special short reports given in class on additional material.
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|--------|---|-------|----------|--------|
| 4 hrs. | 1 | MTWTF | 301 Main | BARBER |
|--------|---|-------|----------|--------|
365. SHAKESPEARE. Plays for intensive classroom study and for outside reading will be selected from this list: *Midsummer Night's Dream*, *Taming of the Shrew*, *Henry IV*, part I, *Hamlet*, *Anthony and Cleopatra*, *Winter's Tale*.
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|--------|---|-------|----------|---------|
| 4 hrs. | 3 | MTWTF | 305 Main | BARBOUR |
|--------|---|-------|----------|---------|
370. MILTON. A study of the poetry of Milton, with emphasis on the forms, influences, and ethical values.
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|--------|---|-------|----------|----------|
| 4 hrs. | 4 | MTWTF | 305 Main | CRAWFORD |
|--------|---|-------|----------|----------|

Philosophy

310. INTRODUCTION TO REFLECTIVE THINKING. A study of reasoning processes in action: the logical principles involved in the solution of historical, scientific, ethical, and metaphysical problems.
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|--------|---|-------|----------|--------|
| 3 hrs. | 1 | MTThF | 305 Main | TENNEY |
|--------|---|-------|----------|--------|

FOREIGN LANGUAGE

VERA LOUISE PEACOCK, Ph.D.; FULLER COMBS, A.M.; J. CARY DAVIS, Ph.D.; ELISABETH DILL, M.M.; WILLIAM P. DALLMANN, Ph.D.

To major in a language a student must complete 36 hours in that language exclusive of 101, 102, 103. At least one senior college English and one senior college history course should be included in the language major.

A minor consists of 24 hours of the language exclusive of 101, 102, 103.

French

101 and 102. ELEMENTARY COURSE. Grammar, pronunciation, composition, conversation, reading of modern prose. A special combination of the first two terms of beginning French will be given the second and fifth hours. Students must elect both terms.

Credit	Period	Days	Room	Instructor
3 hrs.	2	MWThF	N. Aud.	KRAPPE
3 hrs.	5	MTThF	208 Main	KRAPPE

102. BEGINNING FRENCH. Second Term. Prerequisite: French 101 or one year of high school French.

3 hrs.	3	MTWTh	208 Main	KRAPPE
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103. BEGINNING FRENCH. Third Term. Prerequisite: French 102.

3 hrs.	1	MTThF		DILL
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151. SECOND-YEAR COMPOSITION AND READING. Grammar, composition, oral practice, rapid reading of modern authors. Prerequisite: French 103 or two years of high school French.

3 hrs.	4	MTWF	N. Aud.	PEACOCK
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220. FRENCH CONVERSATION. Conversation based largely on topics of current interest chosen from French newspapers and reviews. Prerequisite: French 151 or three years of high school French.

2 hrs.	4	MWF		DAVIS
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304. FRENCH CONTEMPORARY NOVEL. Study of the novel from 1889 to the present, with emphasis on symbolistic, regional, psychological, and sociological novels. Detailed study of Proust or Gide. Prerequisite: French 203.

3 hrs.	1	MTThF	N. Aud.	PEACOCK
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352. FRENCH CONVERSATION AND PHONETICS. A thorough study of the phonetic alphabet and of the formation of French sounds. Course conducted in French. Prerequisite: French 203.

5 hrs.	3	MTWTF	N. Aud.	PEACOCK
	4	Th		

353. ADVANCED COMPOSITION AND CONVERSATION. Oral and written composition of a practical nature for advanced students. Intensive study of idiomatic expression and current usage. Prerequisite: French 351 and 352.

4 hrs.	2	MTWTF	S. Aud.	DAVIS
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German

101 and 102. ELEMENTARY COURSE. Grammar, pronunciation, composition, conversation, reading of modern prose. A special combination of the first two terms of beginning German will be given first and fourth hours. Students must elect both terms.

3 hrs.	1	MTTF	208 Main	DALLMANN
3 hrs.	4	MTuWF	208 Main	DALLMANN

103. BEGINNING GERMAN. Third term. Prerequisite: German 102.
 Credit Period Days Room Instructor
 3 hrs. 2 MWThF 208 Main DALLMANN

Latin

127. ORATIONS OF CICERO. Prerequisite: two years of high school Latin.
 4 hrs. 3 MTWTF S. Aud. COMBS
335. AENEID. Books 7-12. Prerequisite: Two years of college Latin.
 4 hrs. 4 MTWTF S. Aud. COMBS
342. ADVANCED COMPOSITION. Prerequisite: Two years of college Latin.
 4 hrs. 1 MTWTF S. Aud. COMBS

Language

320. GENERAL LANGUAGE. A course in general language, giving a rapid survey of the origin and development of human speech and writing, a treatment of the process of language, a short sketch of the history of English with particular reference to its composite character as a result of borrowings from other languages, together with a comparative study of the elements of several languages, including introductory lessons in Latin, French, Spanish, Italian, and German.

This course is designed especially for students who will teach in elementary and rural schools.

4 hrs. 5 MTWTF S. Aud. DAVIS

GEOGRAPHY

THOMAS FRANK BARTON, Ph.D.; FLEMIN W. COX, A.M.; ANNEMARIE E. KRAUSE, M.S.; EMERSON HALL, M.S.

100. GEOGRAPHIC FUNDAMENTALS. Prerequisite to all other geography courses. The orderly arrangement of the earth is described and interpreted by climatic regions. The primary physical features, namely, weather and climate, landforms, soil, water bodies, minerals and native animal and plant life are treated as to world distribution, influence upon each other and upon man. Two additional hours a week are spent in the laboratory. One Saturday field trip is required.

5 hrs. 2 MTWTF 207 Main KRAUSE

200. GEOGRAPHY OF NORTH AMERICA. An economic and regional study of North America in which the physical and cultural environments are described and interpreted. Emphasis is placed upon features, patterns, associations, and functions. Considerable emphasis is given to the methods of presenting the subject in the grades.

3 hrs. 1 MTWF HALL

205. **PHYSIOGRAPHY.** A study of physiographic features, with an interpretation of their origin, and an explanation of their influences upon climate, vegetation, soils, and minerals. Students planning to take geology should take this course. This is a laboratory course. One field trip is required.

Credit	Period	Days	Room	Instructor
4 hrs.	3	MTWTF	215 Main	Cox

210. **ECONOMIC GEOGRAPHY.** An introduction to Economic Geography. Geographic conditions affecting industries, production and world trade. Text: Economic Geography by Whitbeck and Finch.

4 hrs.	3	MTWTF	214 Main	KRAUSE
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300. **PHYSICAL GEOLOGY.** Takes into consideration materials composing the earth and the agencies and processes involved in the present physical condition of the earth's surface. Practical problems that man must face in the use of the earth, such as cultivation, construction, drainage, location, etc., are stressed. This course or 205 is a prerequisite to geology 301 and 302. Laboratory and field work required.

4 hrs.	1	MTWTF	215 Main	BARTON
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304 (305) **ADVANCED ECONOMIC AND SOCIAL GEOGRAPHY.** A study of the adjustments and maladjustments made by man in attempting to fit himself advantageously to his physical environment or to change the physical environment to meet his needs. Agricultural, industrial, and commercial geographic topics are discussed with emphasis on land utilization.

3 hrs.	5	MTTF	214 Main	KRAUSE
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316. **GEOGRAPHY OF SOUTH AMERICA.** An economic and regional study of South America. It treats very briefly the political, economic, and historical growth of each country and emphasizes the relation of living conditions, economic activities, and foreign trade to the physical environment. Text: South America by Jones.

3 hrs.	4	MTWF	214 Main	HALL
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320. **GEOGRAPHY OF AFRICA.** Life conditions as influenced by location, relief, climate, soils, and minerals. Vast mineral resources and rapid development of South Africa. Almost complete domination of European countries in Africa.

3 hrs.	1	MTTF	214 Main	Cox
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321. **GEOGRAPHY OF AUSTRALIA.** A study of the only continent which lies wholly in the Southern Hemisphere and which has, therefore, unusual climatic and economic conditions. It is an important part of the British Empire and holds a vital place in the economic and political life of the Pacific.

2 hrs.	2	TWT	214 Main	Cox
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- 324 (325) RESTORATION AND CONSERVATION OF NATURAL RESOURCES. A survey of the major resources of the United States, the history of their exploration and exploitation, their influence on the development of the nation, and the problems of their conservation and restoration, especially water, minerals, forest, grass, soil, and wild life resources. State and national resources planning board reports will be used to vitalize the course.

Credit	Period	Days	Room	Instructor
3 hrs.	2	MWTF	215 Main	BARTON

326. THE WESTERN RANGE. A practical and timely yet scientific study is made of the western range, which includes approximately the western half of the United States. After analyzing the present situation, the course presents a feasible program for the restoration and conservation of the Western Range. A treatment of this complex question should introduce to the student methods by which he can treat similar problems he will encounter in our modern world.

2 hrs.	3	TWT	207 Main	BARTON
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330. PROBLEMS OF POLITICAL GEOGRAPHY. A study of the political units of the world, which set forth the location and resources of independent political units, dominions, colonies, and mandates and the effect of geographic factors upon the commercial, social, and other relations that exist between the various political units. Text: *The New World*, Bowman.

3 hrs.	5	MTWT	215 Main	COX
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340. GEOGRAPHY FOR KINDERGARTEN AND PRIMARY TEACHERS. Designed to provide the teacher with a rich supply of material to enliven and make interesting the geography work in the kindergarten and primary levels; and to give the student practice in putting into simple language description and interpretation of the physical phenomena which will stimulate interest in nature and the activities of man.

3 hrs.	4	MTWTF	215 Main	BARTON
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HISTORY

RICHARD L. BEYER, Ph.D.; SARA S. BAKER, M.A.; CHARLES J. PARDEE, A.M.; CLARENCE H. CRAMER, Ph.D.; JOHN I. WRIGHT, A.M.; SHERMAN B. BARNES, Ph.D.

- 105A. MODERN EUROPE. A survey of European history from the Renaissance to modern times. Required of all history majors.

5 hrs.	1	MTWTF	206 Main	BARNES
	2	Tu		
5 hrs.	2	MTWTF	209 Main	PARDEE
	1	W		
5 hrs.	4	MTWTF	310 Main	BEYER
	3	F		

- 110A. AMERICAN HISTORY. A survey of American history from the Revolutionary War to 1936. Required of all history majors.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 5 hrs. | 2 | MTWTF | 206 Main | BAKER |
| | 1 | W | | |
| 5 hrs. | 4 | MTWTF | 206 Main | CRAMER |
| | 3 | F | | |
| 5 hrs. | 5 | MTWTF | 310 Main | WRIGHT |
205. HISTORY OF ILLINOIS. A study of the history of the state from 818 to the present. Especially recommended for grade-school teachers.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|------|------------|
| 3 hrs. | 2 | MWThF | | WRIGHT |
210. METHODS OF TEACHING HISTORY. Designed to aid history instructors by providing actual contacts with historical material and by suggesting means for the presentation of history to grade and high school students.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 3 hrs. | 3 | MTWTh | 209 Main | WRIGHT |
305. GREEK HISTORY. The first of a series of two courses dealing with the ancient world.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 3 hrs. | 4 | MTWF | 209 Main | PARDEE |
306. ROMAN HISTORY. A continuation of the study of the ancient world.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 3 hrs. | 1 | MTThF | 209 Main | PARDEE |
310. THE MIDDLE AGES. An examination of Europe from the ancient world to approximately 1300.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 3 hrs. | 3 | MTWTh | 310 Main | BARNES |
315. RENAISSANCE AND REFORMATION. A study of the Renaissance of culture and of the Protestant Revolt of the sixteenth century.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 3 hrs. | 2 | MWThF | 310 Main | BEYER |
330. MIDDLE PERIOD OF AMERICAN HISTORY, 1815-1860. A study of those conflicting sectional and nationalistic forces which characterized this period.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 3 hrs. | 5 | MTWF | 209 Main | BAKER |
335. RECENT AMERICAN HISTORY. One of two courses dealing with the major developments in American history since the Civil War.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 3 hrs. | 1 | MTThF | 310 Main | CRAMER |
343. HISTORY OF THE WEST. A second course on the history of the American frontier. The frontier in the National Period is emphasized.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 3 hrs. | 5 | MTWF | 206 Main | BEYER |

350. **WORLD WAR AND RECONSTRUCTION.** An analysis of the world since the Great War.

Credit	Period	Days	Room	Instructor
3 hrs.	3	MTWTh	206 Main	CRAMER

376. **HISTORY OF CULTURE.** The rise of modern science and philosophy; eighteenth century faith in liberty, humanity, nature, and progress; the romantic revolt; social science, social ideals; humanitarianism and historiography in nineteenth and twentieth centuries. Includes analysis of institutions, problems, and controlling conceptions of the twentieth century.

3 hrs.	4	MTWF	Main	BARNES
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HOUSEHOLD ARTS

LUCY K. WOODY, M.A.; MARY LOUISE BARNES, M.S.

105. **FOODS AND COOKERY.** A general course in foods and cookery for freshmen and unclassified students. Text: Justin, Rust and Vail, Foods—an Introductory College Course. An elective course not counted on the major.

3 hrs.	4	TT	110 Main	BARNES
	4-5	MW		

225. **SURVEY COURSE.** A survey course in Household Arts, planned to give to students in junior college units of work in foods, textiles, clothing, and family relations; so organized that it may be used by teachers in the grades to enrich various subjects.

4 hrs.	3	MTWTF	110 Main	BARNES
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230. **COSTUME DESIGN AND DRAPING.** Design of dresses both in pencil and in inexpensive materials on dress forms. Dresses are planned from the standpoint of becomingness to the individual. A study of historic costume accompanies the laboratory work. For majors. Prerequisites: Art 105 and 110 or 115 and H. A. 127.

4 hrs.	4-5	MTWTF	112 Main	WOODY
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325. **ORGANIZATION AND MANAGEMENT OF THE HOUSEHOLD.** A study of the family income and household equipment and activities with special emphasis on the economic aspects of managing a home. No prerequisite.

4 hrs.	2	MTWTF	112-110 Main	WOODY & BARNES
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INDUSTRIAL ARTS

LOUIS C. PETERSEN, B.S.; J. HENRY SCHROEDER, M.S.

Courses in Industrial Arts are offered in the summer term for teachers in service, prospective teachers of Industrial Arts and prospective engineers.

101. **MECHANICAL DRAWING.** A course on the college level for beginners. It includes lettering, orthographic projection, developed surfaces, sectional views, and working drawings.

4 hrs.	3-4	MTWTF	112	PETERSEN
			Parkinson Lab.	

201. **ELEMENTARY CONSTRUCTION.** Training in doing such types of occupational handwork as are teachable in the ordinary classroom. The purpose of this course is to suggest means of enlivening other school subjects. Lettering, paper-cutting, booklet-making, braiding, weaving, basketry, wood-toy-making, coloring, and finishing.

Credit	Period	Days	Room	Instructor
3 hrs.	2	MWThF	112 Parkinson Lab.	SCHROEDER

211. **BENCH WOODWORK.** A course for beginners in Industrial Arts. It includes the care and use of tools, use of power driven machines, study of principles of construction, and practice in making simple articles of furniture that involve typical joints and standard methods of fitting, assembling, and finishing.

4 hrs.	3-4	MTWTF	110 Parkinson Lab.	SCHROEDER
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221. **ART METAL WORK.** A course for beginners in metal work. It includes the study of properties of various metals, and practice in making such metal articles as embody typical shop operations required in shaping metal. The work involves processes in forming curves, stretching, raising, punching, drilling, riveting, sawing, filing, annealing, hardening, tempering, soldering, etching, and coloring metals.

4 hrs.	1-2	MTWTF	110 Parkinson Lab.	PETERSEN
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314. **PATTERN MAKING.** A course for advanced students of Industrial Arts and of engineering. It includes practice in making such patterns as embody draft, shrinkage, finish, core prints, core boxes and core making, foundry practice, and metal casting.

4 hrs.	1-2	MTWTF	110 Parkinson Lab.	PETERSEN
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MATHEMATICS

JOHN R. MAYOR, Ph.D.; ALICE KELSEY WRIGHT, A.M.;
J. R. PURDY, Ph.D.

111. **ELEMENTARY MATHEMATICAL ANALYSIS I.** The fundamental notions of elementary college mathematics with applications to related fields; the meaning and uses of algebraic theory, trigonometry, analytic geometry; the elementary notions of the calculus. Prerequisite: High school algebra (1 year) and plane geometry (1 year).

4 hrs.	5	MTWTF	314 Main	MAYOR
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112. **ELEMENTARY MATHEMATICAL ANALYSIS II.** A continuation of topics considered in Math. 111, particularly trigonometry. Prerequisite: Math. 111.

4 hrs.	3	MTWTF	314 Main	WRIGHT
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113. **ELEMENTARY MATHEMATICAL ANALYSIS III.** A continuation of topics considered in Math. 111, 112, with particular emphasis on problems in analytic geometry. Prerequisite: Students who have completed Math. 102 will not receive credit for Math. 111; students who have completed Math. 105 or trigonometry in high school will not receive credit for Math. 112. Any student who has completed Math. 105, but not Math. 102, will receive full credit for Math. 111 and Math. 113. Courses 111 and 112 may be taken simultaneously.

Credit	Period	Days	Room	Instructor
4 hrs.	1	MTWTF	311 Main	WRIGHT

210. **MATHEMATICS FOR TEACHERS.** Historical and logical development of some important mathematical concepts, arithmetic methods, and a few statistical notions. This course is given particularly for elementary school teachers and is recommended by the curriculum committee for all two-year students as well as those in the four-year elementary school curriculum. It carries full college credit. Students who have had Math. 110, cannot count Math. 210 for the two-year certificate, but may count it toward a degree.

4 hrs.	2	MTWTF	314 Main	MAYOR
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230. **SOLID ANALYTIC GEOMETRY.** Co-ordinate geometry of curves and surfaces in space of three dimensions, with emphasis on straight lines, planes, and quadric surfaces. Prerequisite: Math. 113 or 201.

4 hrs.	4	MTWTF	311 Main	WRIGHT
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251. **CALCULUS I.** The elements of differential calculus with applications. Prerequisite: Math. 113 or 201.

4 hrs.	3	MTWTF	311 Main	PURDY
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- 303 **CALCULUS III.** Applications of integral calculus, partial differentiation, series. Prerequisite: Math. 252 (302).

4 hrs.	1	MTWTF	314 Main	MAYOR
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- 305-6. **DIFFERENTIAL EQUATIONS.** A study of the more common types of ordinary differential equations, with emphasis on applications to problems of physics and geometry; a few topics in partial differential equations. A student must take both parts of this course in order to receive credit.

6 hrs.	2-5	MWTF & MTWF	311 Main	PURDY
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MUSIC

DAVID S. MCINTOSH, M.A.; HELEN E. MATTHES; WENDELL MARGRAVE, A.M.; ELISABETH DILL, M.M.

100.(205) THE ART OF ENJOYING MUSIC. A fundamental course in appreciation which should supply every potential music lover with a practical system of approach, having enough flexibility to allow for the unhampered development of personal tastes and preferences.

Credit	Period	Days	Room	Instructor
3 hrs.	5	MWThF	Audit. Stage	MCINTOSH

106. SIGHT SINGING AND EAR TRAINING. Designed for those students who have had Music 105 or its equivalent. Special emphasis on three and four-part sight singing. Students are also expected to master the technique of writing melodies from hearing them sung or played.

4 hrs.	4	MTWTF	Main 107	MARGRAVE
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110.(210) STUDY OF PRIMARY MUSIC MATERIALS. Designed to meet the music requirements demanded of the primary grade teacher. A study of the child voice, rhythm development, rote singing, sight singing, music appreciation. Prerequisite: Music 106 or previous training equivalent to that course.

4 hrs.	1	MTWTF	N. Audit.	MATTHES
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230. HARMONY. A continuation of 125. Harmonic progressions, the chord of the sixth and six-four, the dominant seventh and its inversions, and natural modulations.

4 hrs.	3	MTWTF	N. Audit.	MATTHES
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310. TECHNIC OF SCHOOL ORCHESTRAS AND BANDS. A study of all the orchestral instruments, the common band instruments, and scoring for the orchestra. The entire course is outlined and conducted in terms of the grade school and high school band and orchestra. Prerequisite: Music 125.

4 hrs.	1	MTWTF	Main 107	MARGRAVE
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370. PIANO CLASS. A course planned for teachers interested in studying piano class teaching technique, as well as those desiring to learn to play the piano. This course covers the work of Music 170, 171, and 172.

3 hrs.	4	MTWF	N. Audit.	DILL
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390. VOICE CLASS. The fundamentals of voice production, vowel formation, and effective song production. This course covers the work of Music 190, 191 and 192.

3 hrs.	3	MTWTh	S. Audit.	MCINTOSH
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ORCHESTRA.

0	2	MWThF	Stage	MCINTOSH
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PHYSICAL EDUCATION FOR MEN

WILLIAM McANDREW, A.B., LL.B.; LELAND P. LINGLE, M. A.;
VINCENT G. DIGIOVANNA, M.A.

145. PHYSICAL EDUCATION. The equivalent of 151, 152, 153. Required of all students. Baseball, track, tennis.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 2 hrs. | 2 | MWThF | Gymnasium | DIGIOVANNA |
| 2 hrs. | 3 | MTWTh | Gymnasium | McANDREW |
| 2 hrs. | 4 | MTWF | Gymnasium | DIGIOVANNA |
255. BASKETBALL COACHING. Theory and practice.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 4 hrs. | 4-5 | MTWTF | Gymnasium | McANDREW |
256. TRACK AND FIELD COACHING.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 4 hrs. | 3-4 | MTWTF | Gymnasium | LINGLE |
302. MATERIALS AND METHODS FOR TEACHING PHYSICAL EDUCATION ACTIVITIES IN JUNIOR AND SENIOR HIGH SCHOOLS.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 4 hrs. | 3 | MTWTF | Gymnasium | DIGIOVANNA |
303. KINESIOLOGY. The mechanical analysis of physical education activities through the study of joint and muscle action.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 4 hrs. | 2 | MTWTF | Gymnasium | LINGLE |

PHYSICAL EDUCATION FOR WOMEN

FRANCES D. ETHERIDGE, A.B., B.S.; DOROTHY M. MUZZEY, A.M.;
AILEEN CARPENTER, A.M.

- 103A. PHYSICAL EDUCATION. Individual course for such students as are unable to take regular physical education work. Continuation of 102A.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 1 hr. | 3 | MTWTh | Gymnasium | ETHERIDGE |
| 1 hr. | 4 | MTWF | Gymnasium | ETHERIDGE |
110. MATERIALS AND METHODS FOR PRIMARY TEACHERS. (Grades 1-3) Free rhythms, singing games, and story plays.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 1 hr. | 3 | MTWTh | Gymnasium | MUZZEY |
111. MATERIALS AND METHODS FOR ELEMENTARY TEACHERS. (Grades 4-7) Game skills, elementary games, and self-testing activities.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 1 hr. | 2 | MWThF | Gymnasium | ETHERIDGE |
112. MATERIALS AND METHODS FOR JUNIOR HIGH SCHOOL TEACHERS. Skills of major sports, soccer, basketball, and baseball. Games of low organization involving these skills. Discussions of rules of these sports.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|------|-----------|------------|
| 1 hr. | 4 | MTWF | Gymnasium | MUZZEY |
216. TENNIS.
- | Credit | Period | Days | Room | Instructor |
|--------|--------|------|-----------|------------|
| 1 hr. | 1 | MTTF | Gymnasium | MUZZEY |

218. INDIVIDUAL SPORTS. Tennis, archery, and other recreational sports.

Credit	Period	Days	Room	Instructor
1 hr.	1	MTTF	Gymnasium	ETHERIDGE

243. CORRECTIVE GYMNASTIC AND FIRST AID. Application of posture examination procedure to schoolroom conditions. Exercises which tend to counteract and prevent faulty postural conditions. Elementary study of first aid.

4 hrs.	2	MTWTF	Gymnasium	CARPENTER
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245. PLAY AND RECREATIONAL LEADERSHIP. A general course for play leaders in the organization and management of play. The age interests and characteristics of childhood are studied in connection with the adaptation of games and play activities to the elementary schools. Prerequisite: Two terms of physical education work or consent of instructor.

4 hrs.	2	MTWTF	Gymnasium	MUZZEY
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PHYSICS AND ASTRONOMY

S. E. BOOMER, A.M.; CHARLOTTE ZIMMERSCHIED, A.M.;
O. B. YOUNG, Ph.D.

Physics

102. HEAT, LIGHT, AND ELECTRICITY. A continuation of 101, planned for those whose chief interests are in the Humanities. Mathematics and measurements are not stressed. The purpose of the course is to enable students to interpret intelligently common physical phenomena and to obtain some insight into scientific methods. It fulfills the general requirement in science and is especially recommended for students of home economics. Students who have had physics in high school are not admitted. It does not fulfill pre-medical and pre-engineering requirements, nor does it count toward a major or minor in physics.

4 hrs.	Lect. 3	TTF	303	YOUNG
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Parkinson Lab.

Lab. 3-4	MW	307
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206. MECHANICS AND SOUND. The courses 206, 207, and 208 constitute a year's work for those who have had high school physics. Mathematics 101 and 105 are desirable preceding or accompanying these courses, but they are not necessary. Foley's text and Taylor, Watson, and Howe's manual are used.

4 hrs.	Lect. 3	MWF	304	ZIMMERSCHIED
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Parkinson Lab.

Lab. 3-4	TT	307
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207. MAGNETISM AND ELECTRICITY.

4 hrs.	Lect. 1	MWF	304	BOOMER
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Parkinson Lab.

Lab. 1-2	TT	307
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208. HEAT AND LIGHT.

4 hrs.	Lect. 5	TTF	304	ZIMMERSCHIED
			Parkinson Lab.	and
	Lab. 5-6	MW	307	YOUNG

314. INTRODUCTION TO MODERN PHYSICS. A general survey of recent developments in physics. It includes such subjects as the electron, thermionics, the photo-electric effect, radioactivity and isotopes, astro-physics, relativity. Atomic Physics written by Physics Staff of Pittsburgh University is the text.

Credit	Period	Days	Room	Instructor
4 hrs.	2	MTWTF	304-307	YOUNG
			Parkinson Lab.	

316. HISTORY OF PHYSICS. A study of the development of physical thought, concepts and theories of past and present, and results and methods of contemporary physical research. This course should be especially valuable to those who desire to teach. Text: *Cajorie's History of Physics*, supplemented by other and more recent material.

4 hrs.	1	MTWTF	303-307	ZIMMERSCHIED
			Parkinson Lab.	

Astronomy

205. ASTRONOMY. A four hour survey course in astronomy covering the entire field much less thoroughly than is done in 201 and 202.

4 hrs.	4	MTWTF	304	BOOMER
			Parkinson Lab.	

PHYSIOLOGY AND HEALTH EDUCATION

MARIE A. HINRICHS, Ph.D., M.D.; FLORENCE E. DENNY, M.A., R.N.

201. COLLEGE PHYSIOLOGY. A study of the development of the human body and of the anatomy, physiology, and hygiene of the great systems which carry on its work. Lectures, recitations and laboratory work. Prerequisites: One term of either Freshman Botany or Freshman Zoology.

4 hrs.	3-4	MTWTF	202 Gym.	HINRICHS
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202. HEALTH EDUCATION. The meaning of health, its value to the individual and to the community; how it may be attained and how preserved. Special attention will be given to the hygiene of the mouth and teeth and to the organs of special sense. The principles of the prevention of communicable diseases will be taught and their application to the individual and to the community clearly demonstrated. This teaching will be adapted to the needs of the students themselves, for the improvement of their own health and detailed instructions will be given for the application of this work to the teaching of health in all of the grades of public schools. Lectures and recitations.

4 hrs.	2	MTWTF	201 Gym.	DENNY
4 hrs.	5	MTWTF	201 Gym.	HINRICHS

205. TEACHING OF HEALTH EDUCATION IN PUBLIC SCHOOLS. Designed as an aid in organizing materials for presentation of subject matter in grade school and high school.

Credit	Period	Days	Room	Instructor
3 hrs.	5	MTWF	202 Gym.	DENNY

206. HYGIENE OF THE HOME. Treats the subjects of child hygiene in the pre-school age, home nursing and first aid.

2 hrs.	2	MWF	202 Gym.	HINRICHS
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POLITICAL SCIENCE

WILLIS G. SWARTZ, Ph.D.; HARLEY R. TEEL, A.M.

200. POLITICAL PROBLEMS. A study of those governmental problems which are of greatest concern to the average citizen. Required for graduation.

5 hrs.	1	MTWTF	102 Main	TEEL
	2	Tu		

5 hrs.	2	MTWTF	102A Main	SWARTZ
	4	Th		

5 hrs.	3	MTWTF	102 Main	TEEL
	4	Th		

5 hrs.	5	MTWTF	102 Main	TEEL
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360. PUBLIC ADMINISTRATION. A study of the increasingly important problems of national, state and local administration.

3 hrs.	4	MTWF	102A Main	SWARTZ
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390. COMPARATIVE GOVERNMENT. Comparative study of the leading democratic governments and dictatorships in Europe.

3 hrs.	3	MTWT	102A Main	SWARTZ
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SOCIOLOGY

R. D. BOWDEN, Ph.D.

101. INTRODUCTORY SOCIOLOGY. An introduction to a study of group life, social institutions, social interaction and controls, and social disorganization.

5 hrs.	2	MTWTF	101	BOWDEN
	1	W		

5 hrs.	4	MTWTF	101	BOWDEN
	3	F		

201. RURAL SOCIOLOGY. A study of rural social life, origin of the farming class and their problems, farm populations, and rural community groups.

3 hrs.	1	MTThF	102A	BOWDEN
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ZOOLOGY

MARY M. STEAGALL, Ph.D.; HILDA A. STEIN, M.S.;
WILLARD M. GERSBACHER, Ph.D.

105. **GENERAL INVERTEBRATE MORPHOLOGY.** A course which acquaints the student with microscopic forms found in practically all water, the small forms in water and on land, and with the larger invertebrates, such as insects, mollusks, crayfish, spiders and centipedes. The course gives 5 hours credit, starting the mid-spring term with 2½ hours credit, and continuing through the summer, giving an additional 2½ hours, thus making it possible for one entering at the mid-spring term to earn five hours credit in zoology.
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|---------|--------|-------|---------------|------------|
| Credit | Period | Days | Room | Instructor |
| 2½ hrs. | 3 | MTWTF | 7a-7b Science | STEIN |
220. **FIELD ZOOLOGY.** A course which covers the vertebrates and a few of the invertebrates of Southern Illinois. Classification and habitat are particularly stressed. Especially designed to acquaint teachers with animals typical of the entire Middle West. Required of majors in zoology. Prerequisites: Zoology 101 and 105.
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|--------|-----|-------|-----------|-------|
| 5 hrs. | 1-2 | MTWTF | 6 Science | STEIN |
|--------|-----|-------|-----------|-------|
321. **HISTOLOGICAL TECHNIQUE.** A course in the making of slides for microscopic examination of small animals and the study of structure of organs and tissues. Methods of injection of material may also be studied.
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|--------|-----|-------|------------|----------|
| 5 hrs. | 4-5 | MTWTF | 31 Science | STEAGALL |
|--------|-----|-------|------------|----------|
325. **GENERAL MORPHOLOGY OF VERTEBRATES AND INVERTEBRATES.** Emphasis will be placed on the study of the structures of animals found in the Mississippi Valley and on their relations to the rest of the Animal Kingdom. A visit is made to the St. Louis Zoological Gardens. This is a 5 hour credit course for seniors and juniors who have not had the opportunity of taking Zoology 101 and 105.
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|--------|-----|-------|---------------|------------|
| 5 hrs. | 3-4 | MTWTF | 7a-7b Science | GERBSACHER |
|--------|-----|-------|---------------|------------|
340. **ADVANCED ORNITHOLOGY.** The study of bird species both native and introduced, not in the nesting season. Emphasis on the habitat, association, overlapping of northern and southern species, and on those structures adapting birds to aerial and arboreal conditions. Chapman's, "Land Birds East of the Rockies", new edition; library reading. Laboratory consists of at least four week-end trips to various lake and wooded places among the Ozark Hills. Prerequisite: Zoology 210.
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|--------|---|-------|------------|----------|
| 4 hrs. | 1 | MTWTF | 7a Science | STEAGALL |
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PRACTICE DEPARTMENT

Bruce W. Merwin, Ph.D., Director of Training Schools. F. G. Warren, A.M., Principal, University High School; Florence A. Wells, A.M., English; C. C. Logan, B.S., Science; May S. Hawkins, M.A., Social Science; M. Alberta Gibbons, A.M., Mathematics; J. Henry Schroeder, M.S., Industrial Arts and Sciences; Hal Hall, M.B.A., Commerce, Physical Education; Troy Stearns, A.M., Social Science.

W. G. Cisne, A.M., Superintendent, Elementary Training School Dilla Hall, M. S., Principal, Junior High School; Madge Troutt, A.M.; Louise Bach, A.M.; Ora Rogers, A.M.; Mary E. Entsminger, M.A.; Ruth Husband Fults, A.M.; Lula R. Clark; Ruby Van Trump, A.M.; Sina M. Mott, Ph.D.

The Practice Department will offer practice work in both the elementary school and the high school. However, the facilities are limited, and preference will be given those about to graduate.

Work for the Limited Elementary Certificate will ordinarily be given in the Allyn Elementary School. One and one-half hours a day are necessary for four quarter hours of credit. For the Limited High School Certificate practice work is taken in the University High School.

The University High School will offer several of the standard courses and also some that are not usually given by the smaller high schools. Thus it is easy for a high school student to find courses that he has not had but which may be applied to graduation. The usual load is one-half unit, but many students take a full unit of work by attending class four hours a day for the eight weeks session. A list of the offerings may be secured from Mr. F. G. Warren, Principal of the University High School, Carbondale, Illinois.

During the first six weeks of the summer session, work in grades II to VII inclusive will be offered. This work will provide reviews and enrichment of the curriculum. Much stress will be placed upon excursions, unit activities, and dramatization. Student teachers work the entire eight weeks, devoting the last two to a study of special methods and discussions of the class work completed.

MID-SPRING SESSION**April 26 to June 4, 1937**

A session of six weeks, the last half of the spring quarter, permits a student to earn eight quarter hours of credit. The following subjects will be available, the figure after the descriptive title indicating the number of quarter hours of credit in each case:

AGRICULTURE

- 103, Forage Crops—2 hrs., 6th period, Muckelroy.
- 265, Swine Husbandry—2 hrs., 3rd period, Muckelroy.

ART

- 105, Freehand Drawing—2½ hrs., 5th period, Roach.
- 110, Principles of Design—2½ hrs., 3rd period, Williams.
- 205, Art Education in the Public Schools—2 hrs., 7th period, Roach.

- 220, Advanced Water Color—2½ hrs., 1st period, Shryock.
 240, Art Appreciation for Teachers—2 hrs., 7th period, Williams.
 245, Advanced Freehand Drawing—2½ hrs., 4th period, Shryock.

BOTANY

- 101, General Botany—5 hrs., 1st-2nd and 7th-8th periods,
 Goddard.
 203, General Botany—2½ hrs., 3rd-4th periods, Bailey.

COMMERCE

- 101, Handwriting, 7th period, Ogden.
 205, Elements of Accounting—2 hrs., 4th period, Ogden.
 212, Commercial Law—2 hrs., 3rd period, Bryant.
 325, Business Administration—2 hrs., 5th period, Bryant.

EDUCATION

- 210, Principles of Education—4 hrs., 2nd and 5th periods,
 Brown.

ENGLISH

- 101, Theory and Practice of the Types of Composition—3 hrs.,
 2nd and 5th periods, Krappe.
 102, Theory and Practice of the Types of Composition—3 hrs.,
 2nd and 5th periods, Neely.
 209, Types of World Literature—3 hrs., 1st and 4th periods,
 Power.
 213, Children's Literature—3 hrs., 3rd and 6th periods, Bowyer.
 300, Advanced Composition—3 hrs., 4th and 7th periods, Cox.
 321, British Poets, 1830-1880—4 hrs., 2nd and 5th periods,
 Schneider.

FOREIGN LANGUAGE

- French 101, Elementary Course—3 hrs., 2nd and 5th periods,
 Smith.
 Language 320, General Language—4 hrs., 1st and 4th periods,
 Davis.

GEOGRAPHY

- 205, Physiography—2 hrs., 2nd or 6th periods, Cox, Krause.

HISTORY

- 205, Illinois History—3 hrs., 2nd and 5th periods, Wright.
 376, History of Culture, 1600-1937—3 hrs., 3rd and 6th periods,
 Barnes.

HOUSEHOLD ARTS

- 120, Elementary Nutrition and Cookery—2 hrs., 2nd period,
 Barnes.

MATHEMATICS

- 207, Elementary Mathematical Statistics—3 hrs., 1st and 4th
 periods, Mayor.
 210, Mathematics for Teachers—2 hrs., 3rd period, Mayor.
 310-311, Teaching of Algebra and Geometry—2 hrs., 2nd period,
 Gibbons.

PHYSICAL EDUCATION

Gymnasium for Men—2nd, 3rd, 4th, 6th, and 7th periods.

Gymnasium or Women—all periods.

P. Ed. 256 (For Men), Track and Field—2 hrs., 6th and 7th periods, Lingle.

P. Ed. 245 (For Women), Supervision in Elementary Schools—2 hrs., 1st or 5th periods, Muzzey.

PHYSICS

208, Heat and Light—4 hrs., 1st-2nd and 6th-7th periods, Zimmerschied, Young.

ZOOLOGY

105, General Invertebrate Morphology—2½ hrs., 5th and 6th periods, Stein.

201, Comparative Vertebrate Anatomy II—2½ hrs., 3rd and 4th periods, Gersbacher.

