

1939

1939 Southern Illinois State Normal University Bulletin (Summer Session)

Southern Illinois State Normal University

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Bulletin

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E OF ILLINOIS • HENRY HORNER
GOVERNOR

SOUTHERN ILLINOIS STATE
NORMAL UNIVERSITY

Summer Session

STATE OF ILLINOIS
HENRY HORNER, GOVERNOR

Southern Illinois State Normal University Bulletin

VOLUME XXXIII

CARBONDALE, ILLINOIS, APRIL, 1939

NUMBER 2

ANNOUNCEMENT OF THE SUMMER SESSION

June 12 to August 4, 1939

PUBLISHED QUARTERLY BY THE UNIVERSITY
JANUARY APRIL JULY OCTOBER

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[Printed by authority of the State of Illinois.]

CALENDAR

1939-40

Mid-Spring Session

1939

| | | |
|----------------|------------------|----------------------------------|
| April 29, | Saturday | Registration, Mid-Spring |
| May 28, | Sunday | Baccalaureate Service |
| May 30-June 1, | Tuesday-Thursday | Final Examinations |
| June 2, | Friday | Sixty-fourth Annual Commencement |

Summer Session, 1939

| | | |
|-------------|-----------------|------------------------------|
| June 12, | Monday | Registration, Summer Session |
| June 13, | Tuesday | Instruction begun |
| August 3-4, | Thursday-Friday | Final Examinations |

Fall Quarter

| | | |
|-----------------|-------------------|----------------------------|
| Sept. 11-13, | Monday-Wednesday | Registration, Fall Quarter |
| Sept. 14, | Thursday | Instruction begun |
| Oct. 20-21, | Friday-Saturday | Homecoming |
| Nov. 28-29, | Tuesday-Wednesday | Final Examinations |
| Nov. 30-Dec. 1, | Thursday-Friday | Thanksgiving Recess |

Winter Quarter

| | | |
|-------------|-----------------|------------------------------|
| Dec. 4, | Monday | Registration, Winter Quarter |
| Dec. 5, | Tuesday | Instruction begun |
| Dec. 23, | Saturday | Christmas vacation begun |
| 1940 | | |
| Jan. 8, | Monday | Instruction resumed |
| March 7-8, | Thursday-Friday | Final Examinations |
| March 9-17, | | Spring vacation |

Spring Quarter

| | | |
|-----------|------------------|---------------------------------|
| March 18, | Monday | Registration, Spring Quarter |
| March 19, | Tuesday | Instruction begun |
| June 2, | Sunday | Baccalaureate Service |
| June 4-6, | Tuesday-Thursday | Final Examinations |
| June 7, | Friday | Sixty-fifth Annual Commencement |

Summer Session, 1940

| | | |
|-----------|-----------------|------------------------------|
| June 10, | Monday | Registration, Summer Session |
| June 11, | Tuesday | Instruction begun |
| Aug. 1-2, | Thursday-Friday | Final Examinations |

CARBONDALE, ILLINOIS

SAZ
A5
1939-40

SOUTHERN ILLINOIS STATE NORMAL UNIVERSITY

STATE OF ILLINOIS

HENRY HORNER
Governor

ADMINISTRATIVE OFFICERS OF THE SUMMER SESSION

ROSCOE PULLIAMPresident
G. D. WHAM.....Dean Emeritus of the Faculty
T. W. ABBOTT.....Director of Extension
ALICE DIGIOVANNA.....Secretary to the President
E. G. LENTZ.....Dean of Men
B. W. MERWIN.....Director of Training Schools
EDWARD V. MILES, JR.....Business Manager
WILLIS G. SWARTZ.....Chairman of Faculty Senate
MARJORIE SHANKRegistrar
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LUCY K. WOODY.....Dean of Women

NORMAL SCHOOL BOARD

JOHN J. HALLIHAN.....Director of Registration and Education
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LUCIEN A. FILE.....Co-ordinator

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.

C1085



PRESIDENT'S FOREWORD

One of the most creditable things about the teachers of the United States is the effort that they continually make to improve their own training by attending summer schools. Our public schools began a century ago almost entirely without adequately educated teachers. Within the memory of people now living, very low standards of training were still acceptable for teaching in almost all of the schools of the Middle West. During the past thirty years, almost entirely because of the efforts of the teachers themselves, this situation has been changed completely. The training of teachers has been immeasurably improved, and today our schools are largely taught by highly trained, well educated, keenly intelligent professional people.

In spite of this highly satisfactory improvement, the summer of 1939 will see tens of thousands of teachers attending summer sessions in teachers colleges and universities all over the country. The teachers of America are still hard at work improving their preparation. It is safe to say that no other profession spends as much money and energy on furthering its own improvement as is spent by the members of our profession.

Southern Illinois State Normal University is proud of the fact that through the years it has played a very important part in this most notable improvement in a great profession. Again, this year, we submit the summer session offerings of Southern Illinois State Normal University to the teachers of Southern Illinois and to students who want to utilize a part of the summer vacation to advance their standing in the College.

This year the responsible committees of the faculty and the administration have given more than the usual amount of thought to planning both the class work and the extra-class activities of the summer session. We hope that they have been reasonably successful in effecting noteworthy improvements, and that the Summer Term of 1939 will set a new standard for summer work at the College. Succeeding pages will give detailed information of all the activities that have been planned for the Summer Term.

As usual we are especially interested in mature teachers who are returning to school to get work that will give them a maximum amount of immediately practical help with their teaching problems. Such mature students will be given all the freedom of selection they desire and we hope that every such teacher who comes will find something here that will be both interesting and practical.

We respectfully submit this Summer Term Bulletin for the approval of the teachers of Illinois.

ATTRACTIONS OF THE 1939 SUMMER SESSION

Recreational Institute

The increasing demand for directors of recreational activities has led to the inauguration of a program for training students in this work. In addition to recreational work, practically every teacher is required to be in charge of some phase of extra-curricular activities. Students who have taken these recreational courses during the past two years report almost unanimously that they have utilized the material in taking care of their extra-curricular responsibilities in the school.

The college will offer a six-weeks' course this summer. One or two meetings will be held the first week of the term for organization purposes; then the course will run from the second through the seventh week, meeting four times a week, Monday, Tuesday, Wednesday and Thursday. In order to make the course available to all who wish it, the time of meeting has been set at two to four o'clock in the afternoon. It may be necessary to meet at night during the last week.

Of recent years there has been a marked increase in the amount of leisure time. This condition, coupled with the generally accepted knowledge that a creative avocation is essential to happiness and mental health, led the Federal Government to promote elaborate projects for recreational activities. Now it is desirable that the public schools carry forward and supplement the work of the government.



Constructing Kodaks



Recreation Institute, Summer 1938

In view of these facts, it is hoped that a large number of students will take advantage of this training.

The Summer Educational Conference

The Fourth Annual Conference of Southern Illinois Teachers and Administrators will be held June 20 and 21, on the College campus. Organized in 1936, this conference has become a valuable educational asset. Each year at least one educator of national reputation is secured to give a series of addresses.

The conferences are attended by administrators, teachers of the public schools, summer students, and college faculty members.

Among other entertainment features the committee plans a "stag" picnic in the form of an outdoor steak dinner for visitors, summer students, exhibitors, faculty, and teachers.

The Educational Exhibit

During the two days of the conference the usual educational exhibit will be held. Textbooks and other reference materials, instructional devices, visual education and general classroom equipment will be exhibited by outstanding companies in the various fields. Last year about two thousand people visited the exhibits of some forty-five companies. It is believed that the exhibits of past years



Stadium Dedication, 1938

have been of great value to summer students, visiting administrators, school board members, and teachers. An unusually good display is planned for this year.

A Major in Elementary Education

A year ago it was made possible for the students to present for graduation a major in elementary education. This innovation seemed desirable to accommodate those students who expected to teach in elementary schools but did not wish to major in any one academic field. The major in elementary education should include practical courses dealing with the schools in general but more especially with elementary and rural schools. Courses such as the following education courses are recommended for this purpose: 235, 325, 337, 340, 350, 360 and 380. Several other departments are offering courses aimed primarily for the training of elementary teachers.

Rural Demonstration School

The Practice Department will offer practice in observation work in rural education again this summer. The purpose of this work is to furnish an opportunity for the study of rural life, of the rural school and rural community, and to provide experience in them. One

of the schools located a short distance from Carbondale will be used as a demonstration school for four weeks of the summer session. Surveys, excursions, and contact with local people and community enterprises should furnish students the knowledge and techniques for creating among the people of a rural community an awareness of the potentialities of their environment. An effort will be made to make this work as practical and informal as possible. It will be given in the afternoons for four quarter-hours' credit.

Child Guidance Clinic

One of the most valuable services of the College to Southern Illinois is the Child Guidance Clinic held here in cooperation with the Chicago Institute for Juvenile Research and with the State Department of Public Welfare. Begun here three years ago, it will have its fifteenth session during three days of the summer term. The staff of experts sent out by the Institute includes Dr. Chester A. Reynolds, a psychiatrist, Dr. Andrew W. Brown, a psychologist, and Miss Esther Clemence, a psychiatric social worker. Dr. W. A. Thalman of this College will serve as director.

The activities of the Bureau of Child Guidance may be summarized in the following way:

I. One general function of the clinic is to acquaint the college students and practice teachers with the nature of clinical work and with some of the diagnoses of individual cases. This is being done in two ways: a. In all of the introductory classes in psychology each term, a member of the bureau of Child Guidance presents a history of clinical development throughout the country calling special attention to the clinic here. In this discussion students are made acquainted with the blanks which are used for gathering the information which is necessary for each case. b. Also, we are encouraging practice teachers who are interested to write up case histories under the direction of their critics.

II. A second general function of the clinic is to make a detailed study of individual cases—some of which are from the various school units of Carbondale, others from different towns in Southern Illinois.

III. A general lecture relative to clinical problems, open to all students



**Photograph Using Recreational Institute
Kodak**

and others who are interested, will be presented by one of the members of the Professional Staff. Three seminars are scheduled, also. They will be conducted by the three members of the Professional Staff, who will bring with them a theoretical case study from their files at the Chicago Institute for Juvenile Research. At the seminars they will present the details and the diagnosis of the case. These meetings will be followed by an open forum, after which suggestions will be made as to what remedial procedures should be used to correct the difficulties.

Custodian-Engineer School

This summer the fourth annual Janitors' School will be held for a week at which time instruction will be given to school custodians on the maintenance and up-keep of school buildings. School boards and administrators are invited to send their custodians to the sessions and to feel free to attend any or all meetings, June 13 to June 16.

This work is highly practical and should lead to greater efficiency in care of school buildings through improved techniques and devices. In order that sufficient supplies may be secured and plans made for the janitors who take the work, the janitors are asked to enroll as early as possible.

Last year for the second time, the Janitor-School secured the services of Mr. J. C. Helm, former principal of the Minneapolis Janitors' Training School and now first maintenance engineer of Columbia University. It is expected that Mr. Helm will return this year and his work will be supplemented by a number of faculty members, school custodians and executives, as well as officials in a number of public enterprises. The officials of the Southern Illinois Engineer-Custodian organization will again help to make this series of meetings very practical.

As this is the only Custodian-Engineer School held in the state, it is hoped that many school boards will urge their building custodians to attend. In other states, considerable stress is placed on the work offered by similar schools, and attendance at such schools is one of the factors in salary increases for those in charge of building maintenance.

Cultural Opportunities

During the summer the college will continue its regular program of intellectual and artistic offerings. The program will include musical attractions and lectures by prominent figures of the lyceum platform. In order that students motoring to and from Carbondale each day may derive full benefit from them, all such attractions will be presented at the general assembly exercises. Admission to these entertainments is covered by the registration fee.

Recreation

For those students who have taught or studied through the regular school year, the S. I. N. U. summer recreation opportunities for 1939 promise a large amount of the carefree, joyous, yet stimulating activity which is ordinarily associated only with vacations, but which is here built integrally into the total summer program. Classes are generally over at one o'clock; in the long afternoons that follow, almost everyone now and then is able to find the hours needful for an intelligent recreation. The college is most happily situated, with respect to picturesqueness, on the northern fringe of the great Ozark hills where, in more than a thousand square miles, even the native Egyptian never ceases to discover new scenes, new activities, and new modes of life. Easily accessible east and west, are the great rivers, the Ohio and the Mississippi, rich in historical and legendary associations; and between these waters, from Carbondale southward, lies the land where, with respect to both man and nature, the North merges into the South. There man grows cotton and magnolias, and nature begins her plantations of bamboo cane and cypress trees.

To explore the natural history and the social and economic aspects of this region, is one of the opportunities of the summer term student. There will be trips, chiefly by bus, to coal and fluorspar mines, through orchard country, to historical spots, national forests, scenic country, the Crab Orchard Project, New Shawneetown on the move, erosion control areas, prisons, state hospitals, and other places of interest. The St. Louis Municipal Opera and Art Museum are also to be visited. The most ambitious single project contemplated will be a half-day trip by river steamer for the whole school.

On the campus there will also be an abundant and varied program of recreation. The Physical Education Department, under the direction of Mr. McAndrew, again sponsors a baseball league, a tennis tournament, and such other sports as may be desired. The baseball league, managed by Mr. Beyer, is open to all men. The tennis tournament, managed by Mr. Tenney, is open to all students; there will be matches in men's and women's singles and doubles, and in mixed doubles. The sports program for women, sponsored by the women's athletic department, provides opportunity for participation in a wide variety of games and sports in large and small groups, with tournaments where interest warrants. Other activities, some newly planned and others traditional at S. I. N. U., include a number of student dances, with good orchestras provided by the entertainment fee included in the tuition; two all-school parties, one of them an elaborate play night; concerts by the Department of Music; an enlarged program of group singing; modified chapel programs; a small but choice exhibit, changing twice a week, of fine products of modern arts, crafts, and manufacture; and, if they can be arranged, periodic showings of valuable motion pictures of other years.

For individual students who have cars, there are such sports as bass fishing in the nearby city reservoir lake, and exploring at leisure some of the places named below.

Points of Scenic Beauty

Fountain Bluff Drive
 Pine Hills Skyline Drive and
 LaRue Botanic Area
 The Pounds
 Karbers Ridge Drive
 Belle Smith Springs and
 Natural Bridge
 Alto Pass Drive
 Cave-in-Rock
 Williams Hill
 Rattle Snake Canyon
 Natural Bridge, Pomona
 Natural Bridge, Cypress
 Jackson Hollow
 Wild Cat Hills

Still House Hollow (Garden of
 the Gods and Bluffs)
 Cave Hill
 Giant City Park
 Fern Cliff
 Bald Knob
 Parker Tunnel
 Devil's Den
 Saltpeter Cave
 Big Lake
 Round Lake
 Fehrer Lake
 Allard Lake
 Loon Lake

Other Points or Projects of Interest

Anna Wild Turkey Hatchery
 Mt. Vernon Game Farm
 Horseshoe Lake Preserve
 Robbs Lake
 Crab Orchard Lake
 Moving of Shawneetown
 U. S. Dam and Locks, Golconda
 Dixon Springs Pasture and

Erosion Control Demonstration
 Project.
 Fort Massac
 Fort Kaskaskia
 Fort Chartres
 Fort Gage
 Cahokia Mounds

Buildings and Grounds

The College has recently dedicated a new athletic stadium in which it is hoped some pageants and musical entertainments as well as athletic events will be held during the Summer Term. The work of beautifying the entrance to the Shryock Auditorium is ready to begin. The remodeling of the Parkinson Physics Laboratory will have been completed by the beginning of the Summer Term and will give the College one of the finest physics laboratories in any of the Normal Schools in the State.

It is hoped that the Legislature will appropriate funds for a new Training School for the College this biennium.

GENERAL INFORMATION

Fees for the summer session total \$13.25 for all who sign the agreement to teach.

| | |
|---------------------------|--------|
| Registration Fee..... | \$7.50 |
| Student Activity Fee..... | 3.75 |
| Book Rental Fee..... | 2.00 |

| | |
|-------------|---------|
| Total | \$13.25 |
|-------------|---------|

For those who are not preparing to teach, the fees amount to \$24.50. These fees, exclusive of the book rental fee, are set by the Teachers College Board, and 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.

Holders of acceptable Lindley Scholarships or Normal School Scholarships do not pay the registration fee of \$7.50.

While this announcement of courses for the 1939 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 hour— 7:05-8:05 | 3rd hour— 9:50-10:50 |
| 2nd hour— 8:10-9:10 | 4th hour—10:55-11:55 |
| Assembly— 9:15-9:45 | 5th hour—12:00-1:00 |

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

GRADING SYSTEM

Grades are expressed in letters as follows:

| | |
|---|----------------|
| A, Excellent | 5 grade points |
| B, Good | 4 grade points |
| C, Fair | 3 grade points |
| D, Poor but passing..... | 2 grade points |
| E, Failure | 1 grade point |
| Fld., failing at time of withdrawal, course not completed | 1 grade point |
| N. C., not complete, passing at time of withdrawal. | |
| Drp., dropped by teacher as disciplinary measure. | |

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 physical education activities, are required for the degree. A student may prepare for high school teaching, in which case he must select an academic major and two minors (if the major is 48 hours, only one minor is required); 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 (Required)

Political Science 200—5 hours

Economics 205—5 hours

Sociology 101—5 hours

Humanities—15 Quarter Hours

Rhetoric 101, 102—6 hours

Literature 205, 209, 211, 212—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, 202, or Zoology 101, 105—5 hours

Geography 100—5 hours

Physical Sciences and Mathematics—12 Quarter Hours

Chemistry, Physics, or Math.

(12 hours selected from two departments)

Physical Education—6 Quarter Hours

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

Rhetoric—3 hours: 390

Psychology—8 hours: 206-4, 305-4

Education—12 hours: 315-4, 310-4. Elective—4 hours in any 300 or 400 Education course. (Education 320 is recommended but not required.)

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 should refer to outlines for rural teachers and for village and elementary school teachers published in the annual catalog.

Before a student may receive his bachelor's degree or be recommended for a certificate, he must have maintained a 2.75 average and secured grades not lower than C in subjects aggregating at least three-fourths of the required work, prescribed or elective.

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 Mr. Ted R. Ragsdale. 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. Dr. Barton advises the unclassified students, and Dr. 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. Stearns. High school students will register with Mr. Logan, and those in the elementary school with Mr. Cisne.

BOARD AND ROOM

Women may secure board and room at Anthony Hall for \$6.00 a week. Anyone interested should write to Miss Julia M. Barber, 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.; ROBERT C. CASSELL, Ph.D.

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. (First half of course.)

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 2 hrs. | 1 | MWT | 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.

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|--------|---|-------|------------|-----------|
| 4 hrs. | 4 | WF | 104-5 Main | MUCKELROY |
| | 5 | MTWTF | | CASSELL |

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.

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| 4 hrs. | 3 | MTWTF | 105 Main | CASSELL |
|--------|---|-------|----------|---------|

326. **DISEASES OF FRUITS AND VEGETABLES.** A study of the life history, identification, and practical control of the important disease-causing organisms of fruits and vegetables in Southern Illinois and adjoining regions. Diseases of fungus, bacterial, virus, insect, and physiological origin are treated according to their relative importance.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|------------|------------|
| 4 hrs. | 1 | MW | 105 Main | CASSELL |
| | 2 | MTWTF | 104-5 Main | |

330. **PROBLEMS IN DAIRY FARMING.** Balance of factors on a dairy farm, buildings, fields, rotation of crops, pastures, relative or value of breeds. Prerequisites, Agronomy 101 and Animal Husbandry 105 or 231.

340. **GENETICS.** Scope, methods, and application of genetics. Physical basis of heredity, variations, mutations, pure line selection, environmental influences. Mendelian applications, sex, linkage, hybridization, defects and diseases, vigor, and principles of plant and animal selection and breeding.

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|--------|---|-------|----------|-----------|
| 4 hrs. | 2 | MTWTF | 104 Main | MUCKELROY |
|--------|---|-------|----------|-----------|

350. **FARM MANAGEMENT.** Factors in production, types of farming, organization and direction, economic use of farm machinery, balance of crops and livestock, market conditions, sectional and seasonal production.

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|--------|---|-------|----------|-----------|
| 4 hrs. | 3 | 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.

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|--------|--------|-------|----------|------------|
| Credit | Period | Days | Room | Instructor |
| 4 hrs. | 5 | MTWTF | 201 Main | WILLIAMS |

115. ELEMENTARY WATER COLOR. A study of the theory, harmony, and application of water color.

| | | | | |
|--------|---|-------|----------|-------|
| 4 hrs. | 3 | MTWTF | 202 Main | ROACH |
|--------|---|-------|----------|-------|

120. ART APPRECIATION. This is a course in art appreciation for freshmen to develop an intelligent understanding of the aesthetic expression of man in architecture, sculpture, and painting instead of merely an emotional reaction, by the presentation of types of such expressions by use of lantern slides, prints, and occasional trips to St. Louis.

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| 3 hrs. | 4 | MWTF | 203 Main | SHRYOCK |
|--------|---|------|----------|---------|

220. ADVANCED WATER COLOR. Manipulation of water-color, using still-life and nature. Prerequisite, Art 115.

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|--------|---|-------|----------|---------|
| 5 hrs. | 1 | MTWTF | 203 Main | SHRYOCK |
| | 3 | W | | |

300. ART EDUCATION IN THE PUBLIC SCHOOLS. This course 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.

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|--------|--------|-------|----------|------------|
| Credit | Period | Days | Room | Instructor |
| 4 hrs. | 1 | MTWTF | 202 Main | ROACH |

325. ELEMENTS OF COMPOSITION. A course in landscape painting or combining the figure with landscape. Mediums: Oil or water color. Prerequisite, Art 250 or 220.

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|--------|---|-------|----------|----------|
| 4 hrs. | 2 | MTWTF | 201 Main | WILLIAMS |
|--------|---|-------|----------|----------|

355. ELEMENTS OF COMPOSITIONS. A continuation of 220 or 250 including still life, landscape, costumed figure in water color or oil.

| | | | | |
|--------|---|-------|----------|---------|
| 4 hrs. | 3 | MTWTF | 203 Main | SHRYOCK |
|--------|---|-------|----------|---------|

370. (240) ART APPRECIATION. A course designed to recognize and evaluate universal qualities in all art forms. A study will be made of a selected group of buildings, sculptures and paintings of the past, and of the present as found in the United States and Europe. Recommended for teachers and students of related subjects. Prerequisite, none.

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|--------|---|-------|----------|----------|
| 4 hrs. | 3 | MTWTF | 201 Main | WILLIAMS |
|--------|---|-------|----------|----------|

BOTANY

WILLIAM M. BAILEY, Ph.D.; MARTHA SCOTT, M.S.;
W. B. WELCH, Ph.D.

101. GENERAL BOTANY. An introductory course in botany consisting of a study of the vegetative organs of the higher seed plants, their forms and structures, physiological activities, and relations to their environments. Attention is given to the identification of the common trees by their leaf and stem characters. Laboratory and field studies, and recitations.

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|--------|--------|-------|---------------|------------|
| Credit | Period | Days | Room | Instructor |
| 5 hrs. | 3-4 | MTWTF | 102-3 Science | WELCH |

202. (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.

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|--------|-----|-------|---------------|-------|
| 5 hrs. | 1-2 | MTWTF | 102-3 Science | WELCH |
|--------|-----|-------|---------------|-------|

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.

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|--------|-----|-------|---------------|--------|
| 5 hrs. | 3-4 | MTWTF | 102-3 Science | BAILEY |
|--------|-----|-------|---------------|--------|

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 202, and Zoology 101 or 105.

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| 5 hrs. | 1-2 | MTWTF | 102-3 Science | SCOTT |
|--------|-----|-------|---------------|-------|

330. PLANT PHYSIOLOGY. A study of photosynthesis, plant pigments, plant foods, respiration, plant enzymes, growth and movement in plants. Prerequisites, Botany 101 and 202. Desirable antecedents, chemistry and physics.

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| 5 hrs. | 5-6 | MTWTF | 102-3 Science | BAILEY |
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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.

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|--------|--------|-------|---------------|------------|
| Credit | Period | Days | Room | Instructor |
| 4 hrs. | 1 | TT | 210 Parkinson | ABBOTT |
| | 2 | MTWTF | 203 | |

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|---------------|------------|
| 4 hrs. | 3 | MTWTF | 203 Parkinson | SCOTT |
| | 4 | MW | 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.

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| 4 hrs. | 4 | MTWTF | 202 Parkinson | VAN LENTE |
| | 5 | TT | 201 | |

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.

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| 4 hrs. | 3 | MTWTF | 202 Parkinson | NECKERS |
| | 4 | MWF | 201 | |

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

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| 4 hrs. | 3 | MW | 204 Parkinson | ABBOTT |
| | 4 | MTWTF | 203 | |

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.

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| 5 hrs. | 2 | MTWTF | 205 Parkinson | VAN LENTE |
| | 3 | MTWTF | 202 | |

COMMERCE

T. L. BYRANT, A.M.

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 2 hrs. | 2 | MWF | 309 Main | |

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. Credit toward graduation for commerce majors and minors only.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 1 | MTWTF | 307 Main | |

105. BEGINNING SHORTHAND. This course is offered for those students who have had no previous training in the subject. The work is devoted to the study of the Gregg Manual. Credit toward graduation for commerce majors and minors only.

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|--------|---|-------|----------|--|
| 4 hrs. | 5 | MTWTF | 307 Main | |
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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.

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|--------|---|-------|----------|--|
| 4 hrs. | 4 | MTWTF | 309 Main | |
|--------|---|-------|----------|--|

205. ACCOUNTING. Elements of accounting. The first part of the course is a study of the personal use and social use of budgeting and record keeping. The last part of the course is a study of accounting principles as applied to the single proprietorship form of business organization. A discussion of simple business activities which brings out the need for accounting records and reports is followed by an explanation and development of the basic principles of accounting.

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| 4 hrs. | 5 | MTWTF | 309 Main | |
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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.

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| 4 hrs. | 3 | MTWTF | 309 Main | BRYANT |
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305. ADVANCED ACCOUNTING. A second year course in accounting designed to give intensive study in theory and practice. This course deals with partnerships, ventures, corporations, investments, actuarial science, analysis of statements for credit and investment purposes. The first year's work will be reviewed during the first two weeks.

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| 4 hrs. | 5 | MTWTF | 309 Main | BRYANT |
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315. 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. Prerequisite, one year of instruction in typewriting. 2 hrs. 318. 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. 2 hrs.

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| 4 hrs. | 3 | MTWTF | 307 Main | |
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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 its closing. The students will be given practice in sales talks in class.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 1 | MTWTF | 309 Main | BRYANT |

ECONOMICS

HARRY G. BRAINARD, Ph.D.; M. J. SEGAL, Ph.D.; J. W. DILLOW, M. A.

205. **PRINCIPLES OF ECONOMICS.** The principles which underlie the production, exchange, and distribution of wealth.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 5 hrs. | 1 | MTWTF | 101 Main | DILLOW |
| | 3 | W | | |
| 5 hrs. | 2 | MTWTF | 101 Main | BRAINARD |
| | 4 | Tu | | |
| 5 hrs. | 5 | MTWTF | 101 Main | SEGAL |
| | 2 | Th | 102 Main | |

206. **ECONOMIC PROBLEMS.** A continuation of Economics 205, which emphasizes such economic problems as foreign trade, tariff policy, taxation, labor movements, and railroad regulations. This course is recommended for students interested in present day economic problems. Prerequisite, Economics 205.

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| 3 hrs. | 3 | MTTF | 101 Main | BRAINARD |
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320. **THE CORPORATION IN MODERN SOCIETY.** The first part of the course deals with the organization, structure, and operation of the corporation. The final section of the course is concerned with the place of the corporation in society, its functions and its responsibilities. Special study is made of legislation affecting the corporation. Prerequisites, Economics 205 and 206.

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| 3 hrs. | 4 | MWTF | 101 Main | BRAINARD |
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370. **BUSINESS CYCLES.** In this course an economic analysis is made of the major business fluctuations in the United States, including an examination of the price changes, inflation, deflation, and governmental action during the cycles. Prerequisites, Economics 205 and 206.

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| 3 hrs. | 2 | MTWF | 102 Main | SEGAL |
|--------|---|------|----------|-------|

EDUCATION

F. G. WARREN, A.M.; W. A. THALMAN, Ph.D.; TED R. RAGSDALE, A.M.; LOUIS W. GELLERMANN, Ph.D.; W. G. CISNE, A. M.; TROY L. STEARNS, A.M.; DOUGLAS E. LAWSON, A.M.; MARY E. ENTSMINGER, A.M.; SINA M. MOTT, Ph.D.

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 3 | MTWTF | 213 Main | GELLERMANN |
| 4 hrs. | 5 | MTWTF | 213 Main | WARREN |

215. 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 206.

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| 4 hrs. | 4 | MTWTF | Allyn Bldg. | ENTSMINGER |
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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 206.

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|--------|---|-------|---------------|----------|
| 4 hrs. | 4 | MTWTF | 105 Parkinson | THALMAN |
| 4 hrs. | 5 | MTWTF | 213 Main | RAGSDALE |
| 4 hrs. | 5 | MTWTF | 213 Main | LAWSON |

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 organizations, management, and discipline peculiar to the high school. Text: Draper and Robert's Principles of American Secondary Education, or its equivalent. Prerequisite, Education 305.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|---------------|------------|
| 4 hrs. | 1 | MTWTF | 213 Main | WARREN |
| 4 hrs. | 1 | MTWTF | 105 Parkinson | THALMAN |

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.

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| 4 hrs. | 2 | MTWTF | 213 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 321.

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| 4 hrs. | 3 | MTWTF | 213 Main | WARREN |
|--------|---|-------|----------|--------|

321. (220) **ELEMENTARY SCHOOL 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 206.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|---------------|------------|
| 4 hrs. | 2 | MTWTF | 105 Parkinson | THALMAN |

325. **SCHOOL ADMINISTRATION.** A course designed primarily for those who look forward to positions as supervisors, principals, or superintendents. Text: Bolton, Cole, and Jessup's The Beginning Superintendent. Prerequisite, Education 305.

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| 4 hrs. | 5 | MTWTF | Allyn Bldg. | CISNE |
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335. **PROBLEMS IN RURAL EDUCATION.** An advanced course dealing with practical problems in rural education. Discussions will be centered around persistent problems of rural teachers in Southern Illinois. A plan of action for betterment of programs in rural schools will be considered in the treatment of each of the following topics: organization and management; curriculum adjustment to meet local conditions; selection and use of materials and equipment; intra-school, home, and community relationships; evaluating pupil progress; the teacher's responsibility with reference to her own growth and work. Text: Gustin and Hayes' Activities in the Public School. Prerequisites, at least one course in psychology, at last one course in education, and teaching experience.

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| 4 hrs. | 4 | MTWTF | 213 Main | STEARNS |
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337. **READING FOR THE ELEMENTARY SCHOOL.** In this course emphasis is placed on the principles of reading instruction, on the factors that condition reading, such as experience, individual ability, skills leading to better reading, together with grade placement of aims and materials. Attention will be given to approved techniques of approach, and to diagnostic and remedial treatment. Problem cases in reading will be studied. A definite attempt will be made to bring to the class methods developed by recent research and practice. Text: McKee's Reading and Literature in the Elementary School. Prerequisites, Psychology 206 and 305; and Education 215 or 315.

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| 4 hrs. | 3 | MTWTF | 213 Main | RAGSDALE |
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340. **CHILD PSYCHOLOGY.** An advanced course dealing with the original nature, activities, development, and personality of normal and abnormal children through adolescence. Critical evaluations of methods, theories, and interpretations. Text: Morgan's Child Psychology, or its equivalent. Prerequisite, Education 305.

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| 4 hrs. | 4 | MTWTF | 213 Main | GELLERMANN |
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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. Texts: Groves and Blanchard's *Introduction to Mental Hygiene*, and Groves and Blanchard's *Readings in Mental Hygiene*. Prerequisite, Education 305.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 1 | MTWTF | 213 Main | GELLERMANN |

371. **FOUNDATIONS OF EDUCATION.** This course is designed to meet the need of students of education by giving an overview of the various areas of education. Problems in educational philosophy, educational sociology, psychology, administration and curriculum development will be discussed with emphasis on recent trends. A syllabus will serve as a departure for class discussions. Diversified readings in each area will be expected. Prerequisites, at least two courses in education and junior standing. A joint offering by F. Barnes, Bosley, Merwin, Ragsdale, Stearns, Warren, and others.

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| 3 hrs. | 2 | MTWF | 213 Main | STEARNS and Others. |
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380. **KINDERGARTEN EDUCATION.** This course considers the child as a reacting growing organism in a physical social environment. It aims at an understanding of the mechanisms and functional changes in the development of the pre-school child. The two hours in the kindergarten will be used in the study of a few children and in checking these observations with the literature in the field.

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| 4 hrs. | 1 | MTWTF | Allyn | MOTT |
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KINDERGARTEN PRACTICE. Students taking Kindergarten Education may register also for four hours of practice teaching credit (observation). Students should consult the instructor before registering for this course.

ENGLISH

JULIA NEELY, M.A.; MARY CRAWFORD, A.M.; ESTHER M. POWER, A.M.; EDITH S. KRAPPE, M.A.; CHARLES D. TENNEY, Ph.D.; DOROTHY B. MAGNUS, M.A.; WILLIAM B. SCHNEIDER, Ph.D.; JULIA M. BARBER, M.A.

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

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|------|------------|
| 3 hrs. | 5 | TWTF | Main | KRAPPE |

102. RHETORIC. Exposition with the emphasis on the annotated research paper.
 Credit Period Days Room Instructor
 3 hrs. 4 MWTF Main CRAWFORD
205. MASTERPIECES OF ENGLISH AND AMERICAN POETRY. An examination of the masterpieces of English and American poetry with emphasis on technique, type, and period.
 3 hrs. 1 MTWT Main TENNEY
209. MASTERPIECES OF WORLD LITERATURE. An examination of masterpieces of various literatures in various periods.
 3 hrs. 3 MTTF Main KRAPPE
211. INTRODUCTORY COURSE IN FICTION. An examination of readable novels, designed to acquaint the student with all aspects of artistic excellence in this literary form.
 3 hrs. 2 MTWF Main SCHNEIDER
212. READINGS IN MODERN LITERATURE. Designed to acquaint the student with the principal forms, ideas, and writers of contemporary America and England, with occasional excursions into the literature of other countries also. The course is not to be taken if the student has had 104.
 3 hrs. 1 MTWT Main POWER
218. COMPOSITION FOR ELEMENTARY SCHOOL TEACHERS. Study of the problems of composition in the grade schools.
 3 hrs. 3 MTTF Main BARBER
300. COMPOSITION FOR HIGH SCHOOL TEACHERS. Study of the problems of composition in the senior high schools.
 3 hrs. 4 MWTF 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. Required of all majors.
 3 hrs. 2 MTWF Main KRAPPE
305. AMERICAN POETRY. A study of the chief trends in American poetry and of the works of individual authors. Recommended for non-English majors.
 4 hrs. 3 MTWTF Main POWER
316. A SURVEY OF ENGLISH LITERATURE. Required of English majors at the beginning of the major. Students who have had 201 are exempt.
 3 hrs. 2 MTWF Main NEELY
317. A SURVEY OF ENGLISH LITERATURE (continued). Required of English majors at the beginning of the major. Students who have had 202 are exempt. Prerequisite, English 316.
 3 hrs. 3 MTTF Main CRAWFORD

360. ENGLISH DRAMA TO 1642. Lecture and reading course. Representative plays will be read showing the development of the drama from the Greek and Roman to 1642.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|------|------------|
| 4 hrs. | 4 | MTWTF | Main | TENNEY |

366. SHAKESPEARE. Plays for intensive classroom study and for outside reading will be selected from this list: Richard III, Much Ado About Nothing, Twelfth Night, As You Like It, Othello, King Lear, The Tempest. Recommended for non-English majors.

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| 4 hrs. | 4 | MTWTF | Main | NEELY |
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368. ENGLISH SOCIAL LITERATURE OF THE NINETEENTH CENTURY. A study of English prose and poetry which touches the principal social, political, economic, and religious problems of the century.

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| 4 hrs. | 1 | MTWTF | Main | SCHNEIDER |
|--------|---|-------|------|-----------|

370. MILTON. A study of the poetry of Milton, with emphasis on the forms, influences, and ethical values.

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| 4 hrs. | 2 | MTWTF | Main | CRAWFORD |
|--------|---|-------|------|----------|

377. COMPARATIVE LITERATURE, TWENTIETH CENTURY. A study of the development of naturalism in the novel. Twelve novels will be read, six European and six American. Recommended for non-English majors.

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| 4 hrs. | 5 | MTWTF | Main | BARBER |
|--------|---|-------|------|--------|

390. ADVANCED RHETORIC. A course required of students who wish to teach and who have not had nine quarter hours of rhetoric.

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| 3 hrs. | 1 | MTWT | Main | NEELY |
|--------|---|------|------|-------|

Philosophy

345. PHILOSOPHY OF ART. A survey of present-day theories of aesthetics, together with discussion of recent examples of music, painting, and literature in terms of the theories behind them.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|------|------------|
| 3 hrs. | 3 | MTTF | Main | TENNEY |

Speech

210. FUNDAMENTALS OF SPEECH. A service course for the improvement of the individual student's speech habits, designed to meet his particular speech needs and abilities, based on the results of diagnostic tests. Open to junior college students. Recommended for rural and two-year course, as well as for English majors. This course is accepted for credit on both a major and a minor in English.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|-------------|------------|
| 3 hrs. | 3 | MTTF | Old Science | MAGNUS |

328. **PLAY PRODUCTION.** A course for prospective play directors, with emphasis on play direction. This course includes a summary of the techniques of all the major theatre arts involved in play production. This course or 230 is accepted for credit on an English major.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-------------|------------|
| 4 hrs. | 2 | MTWTF | Old Science | MAGNUS |

336. **CREATIVE DRAMATICS FOR CHILDREN.** This course aims to offer prospective teachers as well as teachers in service a knowledge of techniques and devices for using dramatic materials with children in a way that will stimulate the greatest creative activity. (Speech 230 or Speech 328 is recommended as a prerequisite.)

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|--------|---|------|-------------|--------|
| 3 hrs. | 5 | TWTF | Old Science | MAGNUS |
|--------|---|------|-------------|--------|

FOREIGN LANGUAGE

VERA LOUISE PEACOCK, Ph.D.; MADELEINE SMITH, A.M.; J. CARY DAVIS, Ph.D.; 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 | MTWF | N. Audit. | DAVIS |
| 3 hrs. | 5 | TWTF | N. Audit. | DAVIS |

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

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| 3 hrs. | 3 | MTTF | N. Audit. | PEACOCK |
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103. **BEGINNING FRENCH.** Third Term. Prerequisite, French 102.

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|--------|---|------|-----------|-------|
| 3 hrs. | 5 | TWTF | S. Audit. | SMITH |
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151. **SECOND-YEAR COMPOSITION AND READING.** Prerequisite, French 103 or two years of high school French.

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| 3 hrs. | 3 | MTTF | Main 210 | SMITH |
|--------|---|------|----------|-------|

304. FRENCH CONTEMPORARY NOVEL. Study of the novel from 1889 to the present, with emphasis on the symbolistic, regional, psychological, and sociological novels. Detailed study of Proust. Prerequisite, French 203.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|-----------|------------|
| 3 hrs. | 1 | MTWT | N. Audit. | PEACOCK |

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 5 hrs. | 2 | MTWTF | N. Audit. | PEACOCK |
| | 4 | Tu | N. Audit. | |

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 3 hrs. | 1 | MTWT | Main 210 | DALLMANN |
| 3 hrs. | 4 | MWTF | Main 210 | DALLMANN |

103. BEGINNING GERMAN. Third Term. Prerequisite, German 102.

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| 3 hrs. | 2 | MTWF | Main 210 | DALLMANN |
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Latin

127. CICERO'S ORATIONS. Prerequisite, Latin 106 or two years of high school Latin.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 4 hrs. | 4 | MTWTF | S. Audit. | SMITH |

335. VERGIL'S AENEID. Books 7-12.

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| 4 hrs. | 3 | MTWTF | S. Audit. | DAVIS |
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GEOGRAPHY

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

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 5 hrs. | 3 | MTWTF | 207 Main | KRAUSE |

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. | 2 | MTWTF | 214 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.

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| 4 hrs. | 1 | MTWTF | 215 Main | KRAUSE |
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300. **PHYSICAL GEOLOGY.** This course 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, etc., are stressed. Laboratory and field work are required. This course or 205 is a prerequisite to Geology 301 and 302.

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|--------|---|-------|----------|------|
| 4 hrs. | 1 | MTWTF | 214 Main | HALL |
|--------|---|-------|----------|------|

314. **GEOGRAPHY OF NORTH AMERICA.** In this course considerable emphasis is given to the methods of presenting the subject in the grades. This continent is taught in Illinois in the sixth grade and other continents in the seventh and eighth. 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.

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|--------|---|------|----------|--------|
| 3 hrs. | 2 | MTWF | 207 Main | KRAUSE |
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315. **GEOGRAPHY OF EUROPE.** Europe is studied intensively by regions. The description, interpretation, utilization, and interdependence of each region are discussed. Present and possible future significance of the continent receives attention.

| | | | | |
|--------|---|------|----------|-----|
| 3 hrs. | 5 | TWTF | 207 Main | Cox |
|--------|---|------|----------|-----|

318. **GEOGRAPHY OF ASIA.** Life conditions and economic development as influenced by location, climate, relief, size, shape, and other natural conditions.

| | | | | |
|--------|---|------|----------|-----|
| 3 hrs. | 3 | MTTF | 214 Main | Cox |
|--------|---|------|----------|-----|

324. (325) **RESTORATION AND CONSERVATION OF NATURAL RESOURCES.** A survey of the major resources of the United States, and the problems of their conservation and restoration, especially water, minerals, forest, grass, soil, and wild life resources. State and natural resources planning board reports will be used to vitalize the course.

| | | | | |
|--------|---|-------|----------|--------|
| 4 hrs. | 4 | MTWTF | 214 Main | BARTON |
|--------|---|-------|----------|--------|

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 the nature and activities of man. Prerequisites, Geography 100 and 205.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 3 hrs. | 2 | MTWF | 215 Main | BARTON |

341. INTERMEDIATE GRADE GEOGRAPHY. This course is similar to Geography 340 except that it is adapted to those teaching or expecting to teach in the intermediate grades. Not to be taken by students who have had Geography 340.

| | | | | |
|--------|---|------|----------|------------|
| 3 hrs. | 3 | MTTF | 215 Main | ENTSMINGER |
| 3 hrs. | 5 | TWTF | 215 Main | ENTSMINGER |

HISTORY

RICHARD L. BEYER, Ph.D.; E. G. LENTZ, A.M.; 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.

Meeting places for classes will be posted on the departmental bulletin board in front of Room 204, Main Building, on Registration day.

- 105A. MODERN EUROPE. Ordinarily this course is given as a survey of European history from the Renaissance to the present. This summer, for the benefit of those who wish better understanding of the developments in contemporary Europe, emphasis will be given recent trends in the Old World. Required of all history majors.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|------|------------|
| 5 hrs. | 1 | MTWTF | Main | BARNES |
| | 3 | W | | |
| 5 hrs. | 3 | MTWTF | Main | BEYER |
| | 5 | M | | |
| 5 hrs. | 4 | MTWTF | Main | PARDEE |
| | 1 | F | | |

- 110A. AMERICAN HISTORY. A survey of American history from the Revolutionary War to 1939. Required of all history majors.

| | | | | |
|--------|---|-------|------|--------|
| 5 hrs. | 2 | MTWTF | Main | BAKER |
| | 4 | Tu | | |
| 5 hrs. | 4 | MTWTF | Main | CRAMER |
| | 5 | M | | |
| 5 hrs. | 5 | MTWTF | Main | WRIGHT |
| | 3 | W | | |

208. (205) HISTORY OF ILLINOIS. A study of the history of this state from 1818 to the present. Especially recommended for grade school teachers.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|------|------------|
| 5 hrs. | 2 | MTWTF | Main | WRIGHT |
| | 4 | Tu | | |

305. ANCIENT CIVILIZATION. This is the second course in a series in ancient history. Emphasis is placed on Ancient Greece. This course is a unit in itself and may be taken by students who have not had History 304.

| | | | | |
|--------|---|------|------|--------|
| 3 hrs. | 1 | MTWT | Main | PARDEE |
|--------|---|------|------|--------|

310. THE MIDDLE AGES. An examination of Europe from the close of the Ancient World to approximately 1300. This course is given as a five-hour course for the first time this summer.

| | | | | |
|--------|---|-------|------|--------|
| 5 hrs. | 4 | MTWTF | Main | BARNES |
| | 2 | Th | | |

320. THE FRENCH REVOLUTION. This course covers the period of European history from the Old Regime to the collapse of Napoleon's Empire.

| | | | | |
|--------|---|-------|------|-------|
| 4 hrs. | 2 | MTWTF | Main | LENTZ |
|--------|---|-------|------|-------|

325. AMERICAN COLONIAL HISTORY. A study of the transplanting of European institutions to America and their development in the New World.

| | | | | |
|--------|---|------|------|-------|
| 3 hrs. | 5 | TWTF | Main | BEYER |
|--------|---|------|------|-------|

330. MIDDLE PERIOD OF AMERICAN HISTORY, 1815-1860. This course deals with American life from the close of the War of 1812 down to the Civil War.

| | | | | |
|--------|---|------|------|-------|
| 3 hrs. | 3 | MTTF | Main | BAKER |
|--------|---|------|------|-------|

340. HISTORY OF AMERICAN DIPLOMACY. In this course the history of the foreign policy of the United States is traced from the War for Independence to the present.

| | | | | |
|--------|---|-------|------|--------|
| 5 hrs. | 1 | MTWTF | Main | CRAMER |
| | 3 | W | | |

344. EUROPEAN HISTORY, 1815-1870. A course that covers the period from the Congress of Vienna down to the unification of Italy and Germany.

| | | | | |
|--------|---|------|------|-------|
| 3 hrs. | 5 | TWTF | Main | BAKER |
|--------|---|------|------|-------|

345. EUROPEAN HISTORY, 1870-1914. A study of the important political, economic, and social developments in Europe in the era before the World War.

| | | | | |
|--------|---|------|------|--------|
| 3 hrs. | 3 | MTTF | Main | PARDEE |
|--------|---|------|------|--------|

Journalism

RICHARD L. BEYER, Ph.D.; ESTHER M. POWER, M.A.

No department of Journalism exists at this college, but occasionally courses are given by Mr. Beyer of the History Department and Miss Power of the English Department.

Meeting place for this class will be posted on both the History and English departments bulletin boards.

200. **PRINCIPLES OF JOURNALISM.** This course serves as an introduction to the field of journalism. In addition to a study of news and feature writing, this summer, for the benefit of teachers, extra attention is being accorded public relations work and problems that face the sponsors of high school papers. The course is elective. It will be counted towards graduation, but not for credit in any department.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|------|-------------|
| 4 hrs. | 2 | MTWTF | Main | BEYER-POWER |

HOUSEHOLD ARTS

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

127. **CLOTHING.** Underclothing and dresses in washable materials. Elaboration of plain commercial patterns. May be taken for 3 or 4 hours.

| Credit | Period | Days | Room | Instructor |
|-------------|--------|-------|----------|------------|
| 3 or 4 hrs. | 4-5 | MTWTF | 112 Main | WOODY |

206. **FOODS AND COOKERY.** A study of beverages, milk and its products, eggs, meat, fish, and poultry. Prerequisite for majors, one year of general chemistry; for others, one term of chemistry.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------------|----------|------------|
| 4 hrs. | 4 5 | MWTF TTF | 110 Main | BARNES |

225. **SURVEY COURSE.** A survey 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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 2 | MTWTF | 110 Main | BARNES |

230. **COSTUME DESIGN AND DRAPING.** The work includes designing dresses in pencil and in inexpensive materials on the dress form. Historic costume is studied. Art prerequisites required of major students but not of students who wish to have experience in draping and designing.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 2-3 | MTWTF | 112 Main | WOODY |

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.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|---------------|------------|
| 4 hrs. | 3-4 | MTWTF | 112 Parkinson | PETERSEN |

203. (201) **ARTS-CRAFTS.** 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, and marionette construction.

| | | | | |
|--------|---|------|---------------|-----------|
| 3 hrs. | 2 | MTWF | 112 Parkinson | 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 involves typical joints and standard methods of fitting, assembling, and finishing.

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|--------|-----|-------|---------------|-----------|
| 4 hrs. | 5-6 | MTWTF | 110 Parkinson | SCHROEDER |
|--------|-----|-------|---------------|-----------|

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 | PETERSEN |
|--------|-----|-------|---------------|----------|

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.

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|--------|-----|-------|---------------|----------|
| 4 hrs. | 1-2 | MTWTF | 110 Parkinson | PETERSEN |
|--------|-----|-------|---------------|----------|

MATHEMATICS

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

Students who are beginning college mathematics may choose Mathematics 106 or Mathematics 111. Mathematics 111 is recommended for those who may major in chemistry, physics, or mathematics. No student is allowed credit for both Mathematics 106 and 111.

106. GENERAL MATHEMATICS I. Algebra with emphasis on applications to problems of business. Graphs, systems of equations, quadratic equations, simple interest and discount. Prerequisite, high school algebra (1 year).

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 4 hrs. | 2 | MTWTF | 314 Main | WRIGHT |
| 4 hrs. | 3 | MTWTF | 311 Main | PURDY |

111. ELEMENTARY MATHEMATICAL ANALYSIS I. Elementary college mathematics with applications to physical problems. Meaning and uses of algebraic theory, introduction to derivatives, simple problems in integration, functions of first and second degree. zeros of polynomials. Prerequisite, high school mathematics (2 years).

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|--------|---|-------|----------|--------|
| 4 hrs. | 4 | MTWTF | 311 Main | WRIGHT |
|--------|---|-------|----------|--------|

112. ELEMENTARY MATHEMATICAL ANALYSIS II. Trigonometry and additional topics in algebra. Prerequisite, Mathematics 111 or 106.

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|--------|---|-------|----------|-------|
| 4 hrs. | 4 | MTWTF | 314 Main | MAYOR |
|--------|---|-------|----------|-------|

113. ELEMENTARY MATHEMATICAL ANALYSIS III. A study of the straight line, circle, conic sections, curves in polar coordinates and transformations. Prerequisite, Mathematics 112.

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|--------|---|-------|----------|--------|
| 5 hrs. | 1 | MTWTF | 311 Main | WRIGHT |
| | 3 | W | | |

206. MATHEMATICAL THEORY OF FINANCE. Application of algebra to problems of business including annuities, sinking funds, amortization, bonds, life annuities, and life insurance. Prerequisite, one term of college mathematics.

| | | | | |
|--------|---|-------|----------|-------|
| 4 hrs. | 2 | MTWTF | 311 Main | PURDY |
|--------|---|-------|----------|-------|

210. MATHEMATICS FOR TEACHERS. A professional treatment of the subject matter of arithmetic. Number concepts, historical developments of some topics of arithmetic, methods in arithmetic, arithmetic recreations. This course is planned primarily for elementary school teachers of mathematics.

| | | | | |
|--------|---|-------|-----|-------|
| 4 hrs. | 1 | MTWTF | 314 | MAYOR |
|--------|---|-------|-----|-------|

251. CALCULUS I. The elements of both differential and integral calculus with applications to geometry, physics, and other sciences. Prerequisite, Mathematics 113.

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|--------|---|-------|-----|-------|
| 4 hrs. | 5 | MTWTF | 311 | PURDY |
|--------|---|-------|-----|-------|

330. SYNTHETIC PROJECTIVE GEOMETRY. Introduction to the fundamental concepts of projective geometry; projection and section, principle of duality, harmonic forms, metric properties, conics, poles, and polars. Prerequisite, Mathematics 113.

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|--------|---|-------|-----|-------|
| 4 hrs. | 3 | MTWTF | 314 | MAYOR |
|--------|---|-------|-----|-------|

MUSIC

DAVID S. MCINTOSH, M.A.; HELEN E. MATTHES; WENDELL MARGRAVE, M.A.; EMERSON S. VAN CLEAVE, M.S. in Ed.

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 | TWTF | Audit. | MCINTOSH |

105. SIGHT SINGING, EAR TRAINING, AND THEORY. This course is offered to those students who have not had elementary training in music. It consists mainly of sight-reading simple songs and exercises, but also includes drill in pitch, rhythm, and theory. Required of all majors; no credit on major.

| | | | | |
|--------|---|-------|--------|------------|
| 4 hrs. | 3 | MTWTF | Audit. | VAN CLEAVE |
|--------|---|-------|--------|------------|

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.

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|--------|---|-------|---------|----------|
| 4 hrs. | 5 | MTWTF | Science | MARGRAVE |
|--------|---|-------|---------|----------|

215. STUDY OF INTERMEDIATE MUSIC MATERIALS. This course is designed to meet the music requirements demanded of the Intermediate Grade Teacher. The work covers two part singing, sight reading, three part singing, practice in the use of the minor mode, and music appreciation. Prerequisite, Music 106 or equivalent training.

| | | | | |
|--------|---|-------|--------|---------|
| 4 hrs. | 4 | MTWTF | Audit. | MATTHES |
|--------|---|-------|--------|---------|

220. RURAL SCHOOL MUSIC. Students planning to teach in rural schools and teachers of rural schools may take this course. Materials and problems will be studied, keeping in mind the limited time available and crowded quarters of the rural school. This course will also include elementary music theory.

| | | | | |
|--------|---|-------|--------|---------|
| 4 hrs. | 3 | MTWTF | Audit. | MATTHES |
|--------|---|-------|--------|---------|

- 225 (125). HARMONY. The work covers the formation of major and minor scales, a thorough study of intervals, the common chord, and harmonic progressions. Prerequisite, Music 106 or equivalent.

| | | | | |
|--------|---|-------|--------|------------|
| 4 hrs. | 5 | MTWTF | Audit. | VAN CLEAVE |
|--------|---|-------|--------|------------|

235. HISTORY OF MUSIC. A general course covering the important movements of uncivilized and ancient music, medieval music, the sixteenth century, the seventeenth century, the eighteenth century, and the early nineteenth century.

| | | | | |
|--------|---|-------|---------|----------|
| 4 hrs. | 4 | MTWTF | Science | MARGRAVE |
|--------|---|-------|---------|----------|

310. **TECHNIQUE OF SCHOOL ORCHESTRA AND BAND.** This course offers a study of all the orchestral instruments and 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 225.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|--------|------------|
| 4 hrs. | 4 | MTWTF | Audit. | McINTOSH |

350. **VIOLIN.** Class lessons. This class includes the numbers 150, 151, and 152.

| | | | | |
|--------|---|------|--------|------------|
| 3 hrs. | 4 | MWTF | Audit. | VAN CLEAVE |
|--------|---|------|--------|------------|

360. **WIND AND PERCUSSION.** Combines Music 160, 161, and 162.

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|--------|---|------|---------|----------|
| 3 hrs. | 1 | MTWT | Science | MARGRAVE |
|--------|---|------|---------|----------|

370. **PIANO.** Class lessons. This class includes numbers 170, 171, and 172.

| | | | | |
|--------|---|------|--------|---------|
| 3 hrs. | 1 | MTWT | Audit. | MATTHES |
|--------|---|------|--------|---------|

390. **VOICE.** Class lessons. This class includes 190, 191, and 192.

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|--------|---|------|--------|----------|
| 3 hrs. | 3 | MTTF | Audit. | McINTOSH |
|--------|---|------|--------|----------|

PHYSICAL EDUCATION FOR MEN

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

VINCENT G. DIGIOVANNA, M.A.; GLENN MARTIN, M.A.

Six hours of physical education activity credit are required of all students.

145. **PHYSICAL EDUCATION.** The equivalent of 151, 152, 153. Baseball, track, tennis.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|-----------|------------|
| 2 hrs. | 1 | MTWT | Gymnasium | MARTIN |
| 2 hrs. | 2 | MTWF | Gymnasium | MARTIN |
| 2 hrs. | 3 | MTTF | Gymnasium | MARTIN |
| 2 hrs. | 4 | MWTF | Gymnasium | MARTIN |

203. **GYMNASIUM ACTIVITIES I.** This course aims principally to develop individual technique in the activities listed. The materials covered are as follows: first, the practice of single line marching maneuvers; second, the practice of calisthenics; third, the practice of simple stunts and self-testing activities on the more popular pieces of heavy apparatus and the tumbling mats.

| | | | | |
|--------|-----|-------|-----------|------------|
| 4 hrs. | 1-2 | MTWTF | Gymnasium | DIGIOVANNA |
|--------|-----|-------|-----------|------------|

210. **TECHNIQUES OF BASKETBALL.** A practical course in basketball for freshmen and sophomores. The basic fundamentals of the game for techniques and skills are studied and practiced. Text: *Better Basketball*, by Allen.

| | | | | |
|--------|---|------|-----------|----------|
| 2 hrs. | 5 | TWTF | Gymnasium | McANDREW |
|--------|---|------|-----------|----------|

250. MATERIALS AND METHODS FOR TEACHING PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOLS. This course is study, demonstration, and practice of the physical education activities of children from six to fourteen years of age. It includes: first, a presentation and study of graded lists of activities adapted to the age periods of the child, and second, the organization, management, and methods in the leadership of the activities. Text: Physical Education for Elementary Schools, by Neilson and Van Hagen.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 4 hrs. | 4 | MTWTF | Gymnasium | DIGIOVANNA |

256. TRACK AND FIELD COACHING.

| | | | | |
|--------|-----|-------|-----------|--------|
| 4 hrs. | 3-4 | MTWTF | Gymnasium | LINGLE |
|--------|-----|-------|-----------|--------|

303. KINESIOLOGY. The mechanical analysis of physical education activities through the study of joint and muscle action.

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|--------|---|-------|-----------|--------|
| 4 hrs. | 2 | MTWTF | Gymnasium | LINGLE |
|--------|---|-------|-----------|--------|

325. RECREATION. A six weeks' course giving theory and practical application in leadership qualities essential for camp, club, and community work and extra-curricular activities. This course includes music, folk dancing, nature study, drama, story telling, puppetry, photography, physical activities, social recreation and craft work in leather, bone, archery, toys, basketry, and raffia work. The materials for the craft work must be furnished by the students. In general, a student may take only one activity per week; therefore, it will be necessary to make a selection of the two or three offered:

2nd week.....Music and Folk Dancing

3rd week.....Nature Study, Drama, and Story Telling

4th week.....Puppetry, Photography, and Art

5th week.....Leather, Bone, Archery, Toys, Basketry,
and Raffia

6th week.....Physical Activities

7th week.....Social Recreation

| | | | | |
|--------|-----------|-------|-----------|-------------------------|
| 4 hrs. | 2-4 P. M. | MTWTF | Gymnasium | MCANDREW and others. |
|--------|-----------|-------|-----------|-------------------------|

330. THEORY OF BASKETBALL. A discussion course in which the different methods of defense and offense are studied and analyzed. Coaching methods, training and officiating of the game are included. Text: Better Basketball, by Allen.

| | | | | |
|--------|---|-----|-----------|----------|
| 2 hrs. | 4 | MWF | Gymnasium | MCANDREW |
|--------|---|-----|-----------|----------|

PHYSICAL EDUCATION FOR WOMEN

FRANCES D. ETHERIDGE, M.A.; DOROTHY M. MUZZEY, A.M.

- 102A. PHYSICAL EDUCATION. Individual course for such students as are unable to take regular physical education work. Continuation of 101A.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|------|------------|
| 1 hr. | 3 | MTTF | Gym. | MUZZEY |

110. MATERIALS AND METHODS FOR PRIMARY TEACHERS. (Grades 1-3.) Free rhythms, singing games, and story plays.
 Credit Period Days Room Instructor
 1 hr. 4 MWTF Gym. MUZZEY
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.
 1 hr. 3 MTTF Gym. ETHERIDGE
214. ARCHERY.
 1 hr. 1 MTWT Gym. ETHERIDGE
216. TENNIS.
 1 hr. 1 MTWT Gym. MUZZEY
218. INDIVIDUAL SPORTS. Tennis, archery, and other recreational sports.
 1 hr. 2 MTWF Gym. ETHERIDGE
244. PRINCIPLES OF PHYSICAL EDUCATION. An introductory course in the principles of physical education consisting of a brief survey of the history, aims, and content of the physical education curriculum and of the place and function of the subject in education and community life.
 3 hrs. 4 MWTF Gym. ETHERIDGE
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 Gym. MUZZEY
325. RECREATION. Same as course 325 offered under Physical Education for Men.

PHYSICS

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

102. HEAT, LIGHT, AND ELECTRICITY. The purpose of the course is to enable students to interpret intelligently common physical phenomena and to obtain some insight into scientific methods. 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. 3 MTWTF 304 Parkinson ZIMMERSCHIED
 4 MW 311 Parkinson

207. **MAGNETISM AND ELECTRICITY.** This is a college course designed for those who have had high school physics or for those who plan advanced work in physics. Foley's text and Taylor, Watson, and Howe's manual are used.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|---------------|------------|
| 4 hrs. | 3 | MTWTF | 303 Parkinson | YOUNG |
| | 4 | TT | 311 Parkinson | |

208. **HEAT AND LIGHT.**

| | | | | |
|--------|---|-------|---------------|--------------|
| 4 hrs. | 5 | MTWTF | 304 Parkinson | YOUNG and |
| | 6 | MW | 311 Parkinson | ZIMMERSCHIED |

301. **MECHANICS.** An intensive study of forces, moments, translational and rotational motion, energy, friction, machine, elasticity of beams, mechanics of fluids. Supplementary material includes laboratory and demonstration experiments. Text: Jameson's Mechanics.

| | | | | |
|--------|---|-------|---------------|--------------|
| 4 hrs. | 1 | MTWTF | 304 Parkinson | ZIMMERSCHIED |
|--------|---|-------|---------------|--------------|

303. **HEAT.** A study and measurement of the fundamental quantities involved in heat. Also considerable attention to the principles and applications of thermodynamics. Draper's text.

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|--------|---|-------|---------------|-------|
| 4 hrs. | 2 | MTWTF | 303 Parkinson | YOUNG |
|--------|---|-------|---------------|-------|

PHYSIOLOGY AND HEALTH EDUCATION

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

200. **CONTROL OF COMMUNICABLE DISEASES IN PUBLIC SCHOOLS.** A study of the principles of prevention of the communicable diseases most prevalent in public schools and the application of these principles to the individual and the community.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|---------|------------|
| 2 hrs. | 3 | MTuF | 202 Gym | DENNY |

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 |

203. **PHYSICAL HANDICAPS TO LEARNING.** A course designed for teachers to aid in detecting physical causes in some cases of

scholastic failure. A study will be made of tests such as those for visual acuity, acuteness of hearing, speech defects, nasal obstruction, malnutrition, and where indicated, home problems will be considered. Alternate summer terms.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|---------|--------------------|
| 3 hrs. | 2 | MTWF | 202 Gym | HINRICHs, DENNY |

305. 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. Prerequisite, one term of either freshman botany or freshman zoology.

| | | | | |
|--------|---|-------|---------|----------|
| 4 hrs. | 3 | MTWTF | 202 Gym | HINRICHs |
|--------|---|-------|---------|----------|

306. 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.

| | | | | |
|--------|---|------|---------|-------|
| 3 hrs. | 5 | TWTF | 202 Gym | DENNY |
|--------|---|------|---------|-------|

POLITICAL SCIENCE

WILLIS G. SWARTZ, Ph.D.; ORVILLE ALEXANDER, Ph.D.

200. CONTEMPORARY POLITICAL PROBLEMS. Designed to meet the 5-hour political science requirement.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 5 hrs. | 1 | MTWTF | Main 102A | SWARTZ |
| | 3 | W | | |
| 5 hrs. | 2 | MTWTF | Main 102A | ALEXANDER |
| | 4 | Tu | | |
| 5 hrs. | 5 | MTWTF | Main 102A | SWARTZ |
| | 2 | Th | | |

231. AMERICAN NATIONAL GOVERNMENT. A survey of the organization and operation of our Federal system.

| | | | | |
|--------|---|-------|-----------|-----------|
| 4 hrs. | 3 | MTWTF | Main 102A | ALEXANDER |
|--------|---|-------|-----------|-----------|

395. CONSTITUTIONAL LAW. A study and interpretation of the important Constitutional decisions, based upon the case method.

| | | | | |
|--------|---|------|-----------|-----------|
| 3 hrs. | 4 | MWTF | Main 102A | ALEXANDER |
|--------|---|------|-----------|-----------|

SOCIOLOGY

R. D. BOWDEN, Ph.D.; TROY L. STEARNS, A.M.;
VICTOR RANDOLPH, A.M.

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

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|----------|------------|
| 5 hrs. | 2 | MTWTF | 101 Main | BOWDEN |
| | 5 | M | | |
| 5 hrs. | 4 | MTWTF | 101 Main | BOWDEN |
| | 1 | F | | |

201. **RURAL SOCIOLOGY.** A study of rural social life, origin of the farming class and their problems, farm populations, and rural community groups. Prerequisite, Sociology 101.

| Credit | Period | Days | Room | Instructor |
|--------|--------|------|----------|------------|
| 3 hrs. | 1 | MTWT | 101 Main | RANDOLPH |

330. **PROPAGANDA ANALYSIS.** This course presents a study of the technique of controlling public opinion and a partial study of results of such control. Differentiation between indoctrination and propaganda will be stressed.

| | | | | |
|--------|---|------|----------|----------|
| 3 hrs. | 5 | TWTF | 102 Main | RANDOLPH |
|--------|---|------|----------|----------|

340. **EDUCATIONAL SOCIOLOGY.** A study of educational institutions in their relationship to the nature and functions of other societal institutions. Prerequisites, Sociology 101 and one 200-course.

| | | | | |
|--------|---|------|----------|---------|
| 3 hrs. | 3 | MTTF | 102 Main | STEARNS |
|--------|---|------|----------|---------|

ZOOLOGY

HILDA A. STEIN, M.S.; MARTHA SCOTT, M.S.;
WILLARD M. GERSBACHER, Ph.D.

101. **GENERAL VERTEBRATE ZOOLOGY.** This course deals with the salient facts of vertebrate studies, taking note of apparent evolutionary development. Forms of each Chordate type will be studied, and especial emphasis will be placed on the frog as the type of all groups above amphibians. Especial individual studies are required of selected forms and groups of animals.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|---------------|------------|
| 5 hrs. | 3 | MTWTF | 7a-7b Science | STEIN |
| | 4 | MWTF | | |

200. **COMPARATIVE VERTEBRATE ANATOMY.** Studies of comparative skeletal and muscular structures are made from a phylogenetic and evolutionary viewpoint. Prerequisite, Zoology 101, or its equivalent.

| | | | | |
|--------|---|-------|---------------|-------|
| 5 hrs. | 5 | MTWTF | 7a-7b Science | SCOTT |
| | 6 | MTWT | | |

215. **ENTOMOLOGY.** Identification of the local insects, the study of the critical points in the life histories of insects and their relation to human health and wealth. Prerequisite, Zoology 105, or its equivalent. Text: An Introduction to Entomology, Comstock.

| | | | | |
|--------|---|------|-----------|-------|
| 4 hrs. | 1 | MTTF | 6 Science | STEIN |
| | 2 | MTWF | | |

300. VERTEBRATE EMBRYOLOGY. Chick and pig embryos are used as types. Emphasis is placed on the ontogeny of the individual and its relation to vertebrate phylogeny. Prerequisite, Zoology 101, or its equivalent.

| Credit | Period | Days | Room | Instructor |
|--------|--------|-------|-----------|------------|
| 5 hrs. | 3 | MTWTF | Science | GERSBACHER |
| | 4 | MWTF | 3rd Floor | |

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 will be made to the St. Louis Zoological Gardens. This is a five hour course for seniors and juniors who have not had the opportunity of taking Zoology 101 and 105.

| | | | | |
|--------|---|-------|---------------|------------|
| 5 hrs. | 1 | MTWTF | 7a-7b Science | GERSBACHER |
| | 2 | MTWF | | |

PRACTICE DEPARTMENT

Bruce W. Merwin, Ph.D., Director of Training Schools. C. C. Logan, B.S., Science, Acting Principal, University High School; Florence A. Wells, A.M., English; M. Alberta Gibbons, A.M., Mathematics; J. Henry Schroeder, M.S., Industrial Arts and Sciences; Ward Dillow, M.A., Social Science; E. E. Hall, M.S., Geography; Charles Patterson, B.Ed., Music; Dilla Hall, M.S., Principal, Junior High School, Mathematics; Gladys L. Smith, M.A., Social Science; Victor Randolph, A.M., Social Science; Douglas Lawson, M.A., Social Science; Fred Cagle, M.S., Biology.

W. G. Cisne, A.M., Superintendent, Elementary Training School; Madge Troutt, A.M.; Louise Bach, A.M.; Ora Rogers, A.M.; Mary E. Entsminger, M.A.; Ruth Husband Fufts, A.M.; Lula R. Clark; Sina M. Mott, Ph.D.; Fred Barnes, A.M.; Rockwell McCreight, A.M.

Troy Stearns, A.M., Superintendent of Rural Training Schools; Harley R. Teel, A.M.

The Practice Department will offer practice work in four fields: rural, high school, elementary school, and kindergarten. As the facilities are limited, preference in assignment will be given those about to graduate.

Work for the Kindergarten Primary Certificate will be given in the Allyn Kindergarten. This will be taken in combination with practice. One hour per day will be spent in attending a regular class, Education 380, and one and one-half hours per day in actual practice.

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. Three hours a day for four weeks will give 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. The following courses will very likely be offered: General Science; Physical Geography; Physiology; Music Appreciation; Economics; Sociology; Community Problems; Commercial Arithmetic; Public Speaking; Creative Writing; Business English; Commercial Law; Commercial Geography; Junior Business; and Consumers Education.

During six weeks of the summer session, work from kindergarten to the seventh grade 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 two to a study of special methods and discussions of the class work completed.

MID-SPRING SESSION**April 29 to June 2, 1939**

A short mid-spring session is scheduled for this year. The regular registration day will be Saturday, April 29. Classes will begin on Monday, May 1. It is expected that no students will register late. A regular two-hour course will meet five days a week for 4 weeks. Mid-spring students will be expected to attend classes on Monday of the last week and take final examinations according to the schedule of the regular spring term, Tuesday to Thursday, May 30 to June 1. The normal load will be six hours of credit.

AGRICULTURE

- 210, Soils and Animals—2 hrs., 6th period, Muckelroy; 2 hrs., 5th and 6th periods, Cassell.

ART

- 370, Advertising Design—2 hrs., 4th period, Williams.

BOTANY

- 101, General Botany—5 hrs., 5th and 6th and other periods, Marberry.
203, Systematic Botany—2½ hrs., 7th and 8th periods, Bailey.

EDUCATION

- 305, Advanced Educational Psychology—4hrs., 5th and 7th periods, Randolph.
325, School Administration—4 hrs., 1st and 4th periods, Bosley.
335, Problems in Rural Education—4 hrs., 2nd and 3rd periods, Stearns.

ENGLISH

- 300, Composition for Teachers—3 or 4 hrs., 2nd and 3rd periods, Power.
306, American Drama—4 hrs., 1st and 4th periods, Kellogg and Faner.
321, British Poets, 1830 to 1880—3rd and 6th periods, Schneider and Tenney.

FOREIGN LANGUAGE

- 320, General Language—4 hrs., 1st and 4th periods, Davis.
Students may be admitted to all advanced French classes upon consultation with the instructor.

HISTORY

- 210, Methods of Teaching History—3 hrs., 1st and 4th periods, Wright.
310, The Middle Ages—3 hrs., 3rd and 6th periods, Barnes.
330, American History, 1815-1860—3 hrs, 2nd and 5th periods, Baker.

INDUSTRIAL ARTS

203, Arts-Crafts—3 hrs., 4th period, Petersen.

PHYSICS

208, Heat and Light—2 hrs., 6th and 7th periods, Young.

208, Heat and Light—2 hrs., 1st and 2nd periods, Zimmerschied.

PHYSIOLOGY AND HEALTH EDUCATION

306 (205), Teaching of Health Education in Public Schools—
3 hrs., 1st and 4th periods, Denny.

POLITICAL SCIENCE

235, Illinois State Government—2 hrs., 2nd period, Swartz.

SOCIOLOGY

201, Sociology of Rural Life—3 hrs., 3rd and 5th periods, Randolph.



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