

Bulletin  
University of Kentucky



Summer Session, 1927  
First Term: June 13 to July 16  
Second Term: July 18 to August 20

February, 1927

Published by the University of Kentucky, Lexington. Entered as Second Class Matter at the Post Office, Lexington, Ky., under the Act of July 16, 1894.

Acceptance for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917, authorized June 30, 1920.

Vol. 19

No. 1



## SUMMER SESSION CALENDAR

|           |           |  |
|-----------|-----------|--|
| Saturday  | May 13    | Last date for ex-service men to make application for free tuition and room rent.                           |
| Monday    | June 13   | Registration for first term.   |
| Tuesday   | June 14   | Classes begin.   |
| Thursday  | June 16   | Last date for making changes in registration or in schedule without payment of fee.                        |
| Monday    | June 20   | Last date upon which a student may register for credit for the first term's work.                          |
| Monday    | June 20   | Last date upon which a student may be dropped without a grade by the dean.                                 |
| Wednesday | June 22   | Last date on which a student may withdraw and receive a refund of matriculation fee for the first term.    |
| Friday    | July 15   | Registration for second term.  |
| Saturday  | July 16   | Examinations for first term.   |
| Monday    | July 18   | Classes begin.   |
| Thursday  | July 21   | Last date for making changes in registration or in schedule without payment of fee.                        |
| Saturday  | July 23   | Last date for registering for second term without special permission of heads of departments concerned.    |
| Saturday  | July 23   | Last date upon which a student may be dropped without a grade by the dean.                                 |
| Tuesday   | July 26   | Last date upon which a student may withdraw and receive a refund of matriculation fee for the second term. |
| Saturday  | August 20 | Examinations for the second term.  |



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## GENERAL INFORMATION

### LENGTH OF SESSION

The summer session of the University of Kentucky for 1927 will be ten weeks in length and will be divided into two terms, the first to begin June 13 and close July 16, and the second to begin July 18 and close August 20.

Classes during the summer session will begin at 7:30 a. m. The first hour will be from 7:30 to 8:20, the second hour from 8:30 to 9:20, the fifth hour closing at 12:20 daily.

The courses listed for each term may be found in this catalog. If eight or more students request for the second term any course not listed herein the University will try to offer such course.

### CLASSES OF COURSES

Courses will be offered for graduates and for undergraduates in the College of Agriculture, the College of Arts and Sciences, the College of Commerce, the College of Education, the College of Engineering and the College of Law.

### FOR WHOM PLANNED

The summer session program of the University of Kentucky has been planned to meet the needs of the following groups:

1. Teachers in the public schools who wish additional training in their special lines of work and who desire to work toward college degrees.
2. Teachers in private and parochial schools who wish additional training in their special lines of work and who desire to work toward college degrees.
3. Supervisors of grade school work in special subjects.
4. City superintendents who desire to acquaint themselves with recent progress in education and who have special problems for solution.
5. County superintendents who desire to study the problems of the organization and administration of rural education and problems relating to the social life of the community.
6. Teachers in junior colleges who desire additional training in the particular fields in which they work and who are working toward higher degrees.
7. Normal school and college teachers who desire additional training in their chosen fields and who are working toward advanced degrees.
8. Undergraduates in agriculture, arts and sciences, commerce, education, engineering and law who find it desirable to shorten the period of their college courses.
9. Persons desiring training for Y. M. C. A., Y. W. C. A. and social welfare service, including playground directors.



## A LARGER PROGRAM FOR 1927

The interest and enthusiasm manifested in the summer session program have led the University to plan a larger program for 1927. A greater variety and a greater number of both graduate and undergraduate courses are being offered in the 1927 summer session.

## ADMISSION

Students will be admitted to the University as their previous training warrants. They will be admitted to the freshman class, to advanced standing, to special courses as special students, or admitted as graduate students.

### TO THE FRESHMAN CLASS

An applicant for admission to the freshman class of any of the colleges of the University except the College of Law must offer credit for fifteen units of high school or other secondary school work, so chosen as to include the five basic units prescribed by all the colleges. Only students who hold certificates of graduation from an accredited high school will be admitted without examination. No student will be admitted as a candidate for a degree with less than fifteen units.

### TO THE COLLEGE OF LAW

An applicant for admission to the College of Law must offer sixty semester credits of college grade for full admission, six of which must be in English.

### TO ADVANCED STANDING

Candidates who can present equivalents of any part of the college work may secure advanced standing and thereby reduce the number of hours required for graduation. They may secure this advanced standing by one of two methods:

- a—By examination on each subject for which credit is desired.
- b—By transfer from a college or university. An official statement must be submitted to the Registrar certifying in detail the work for which credit is desired.

### AS SPECIAL STUDENTS

A graduate of another university or college may enter the University to pursue any special work. Other persons may be admitted as special students under the following conditions:

- a—They must be prepared to do the work desired, and give good reason for not taking a regular course.
- b—They must be at least twenty-one years of age.



## AS GRADUATE STUDENTS

The Graduate School is open to students who are graduates of this or any other university or college of recognized standing. Application for admission to this school should be made to the Registrar of the University, and should be accompanied by official certificates attesting the candidate's completion of an undergraduate course.

For further information, see statement of the Graduate School.

### BY CERTIFICATE

Persons who desire to enter the University by certificate instead of by examination must have their credits certified by the superintendent or principal of the school in which they may be secured. Blank forms for such certificates will be furnished by the Registrar of the University on application. These certificates should be properly made out, signed and mailed to the Registrar as early as possible and not later than one week before registration. Only graduates of accredited schools or those who have completed the accredited course will be admitted upon certificate. A diploma, such as is given at graduation to high school pupils, can not be substituted for this certificate.

### BY EXAMINATION

If not a graduate of an accredited high school the student must present entrance credits for 15 units, including those prescribed, and pass examinations in four subjects as follows:

1. ENGLISH (including composition).
2. MATHEMATICS (algebra and plane geometry).
3. TWO SUBJECTS of at least one unit each to be selected by the student. The list of entrance subjects may be procured from the Registrar.

If the student is not a graduate of the school from which he comes, he will not be admitted on entrance examinations within one year after leaving such school unless he presents a statement of honorable dismissal.

### RESIDENCE REQUIREMENTS FOR GRADUATION

Two semesters of work at the University of Kentucky will satisfy the residence requirements for the bachelor's or the master's degree. Three summer terms are considered equivalent to one semester. For the bachelor's degree thirty semester credits must be completed in the senior year (the work to be done in the college from which the student is to be graduated). For the master's degree, at least twenty-four credits must be completed, in addition to the thesis.



## REQUIREMENTS FOR GRADUATION

### COLLEGE OF ARTS AND SCIENCES

#### DEGREES

The college offers courses leading to the following degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Arts in Journalism, Bachelor of Science in Industrial Chemistry.

#### THE DEGREE OF BACHELOR OF ARTS

For the degree of Bachelor of Arts the student is required to gain a total of 127 credits and 127 points, that is, a standing of 1, subject to the following conditions:

#### OUTLINE OF REQUIREMENTS FOR GRADUATION

- I. GENERAL REQUIREMENTS
- |                        |                 |
|------------------------|-----------------|
| Matriculation Lectures | .3 credits      |
| Military science (men) | 5.6 credits     |
| Physical Education     | 2.8 credits     |
| Hygiene                | 2.6 credits     |
| English                | 6 to 12 credits |
- (12 if only 3 units entrance.)
- II. GROUP REQUIREMENTS Lower Division Freshman and Sophomore years.
1. Foreign Languages, 6 to 18 credits. (6 in 1 language if 3 or more units entrance; 12 if only 2 units entrance; 18 if only 1 or no unit entrance).  
French, German, Greek, Italian, Latin or Spanish.
  2. History and Social Sciences, 6 to 12 credits (6 in one department if 1 unit entrance in History; 12 including 6 credits in History, if no entrance in History).  
Economics, History, Political Science or Sociology.
  3. Mathematics, Philosophy or Psychology, 6 credits in one department.
  4. Physical Science, 6 to 10 credits in one department.  
Astronomy, Chemistry, Geology or Physics.
  5. Biological Science, 6 to 8 credits in one department.  
Bacteriology, Botany, Physiology or Zoology.
- III. MAJOR 20 credits, Upper Division, Junior and Senior years. Any department, exclusive of elementary courses.
- IV. MINORS 20 credits, Upper Division, Junior and Senior years. May be in two departments or related groups, exclusive of elementary courses. Consult Head of Major Department.



- V. ELECTIVES IN OTHER COLLEGES OF THE UNIVERSITY. Not more than 30 credits.
- VI. In the Arts-Education course the student must take 20 credits in one minor.
- VII. RESIDENCE RULE. The Senior year must be spent in residence in this college.
- VIII. TOTAL CREDITS REQUIRED, 127 credits.

#### COLLEGE OF AGRICULTURE

To receive the degree of Bachelor of Science in Agriculture, a student must complete 139.3 credits of work with a standing of 1.

These credits are classified as follows:

|                                      |               |
|--------------------------------------|---------------|
| Prescribed subjects, non-agriculture | 48.0 credits  |
| Prescribed subjects, agriculture     | 32.3 credits  |
| Electives required in agriculture    | 30.0 credits  |
| Free electives                       | 29.0 credits  |
|                                      | 139.3 credits |
| Total                                |               |

Students who have not had physics in high school will be required to take a six-credit course in college which will reduce the number of free elective credits to 23. The free electives may be in agriculture. It will thus be seen that there is opportunity to take work in agriculture amounting to 91.3 credits.

To receive the degree of Bachelor of Science in Home Economics, a student must complete 133.1 credits of work with a standing of 1.

The amount of work a student will be permitted to carry is indicated in outline of courses. However, if a student has maintained a standing of 2 during a semester, he may, upon permission of the dean, carry additional hours the following semester.

No student will be allowed to carry fewer than 12 credit hours of work exclusive of Military Science and Physical Education.

The maximum and minimum hours for special students are the same as for regular students.

Prior to the senior year all candidates for the degree in agriculture must satisfy the dean that they have had at least one year's work on the farm or work for two summer vacations of three months each.

A student desiring to do work in any department of instruction should select his courses of study upon the advice of the head of the department.



## COLLEGE OF ENGINEERING

### COURSES OF STUDY AND DEGREES

The College of Engineering offers instruction leading to the following baccalaureate degrees:

- Bachelor of Science in Civil Engineering.
- Bachelor of Science in Mechanical Engineering.
- Bachelor of Science in Mining Engineering.
- Bachelor of Science in Metallurgical Engineering.

The courses of study leading to these degrees are identical during the freshman and sophomore years. Familiarity with such fundamental subjects as chemistry, drawing, English, mathematics, physics and practical mechanics is essential to the successful study and practice of any branch of the engineering profession. Furthermore, after two years of college work a student is better able to make a definite choice of the branch of engineering which he is best fitted to follow. During the junior and senior years the courses are planned to give the special training that is best suited to each branch of the profession.

For a detailed description of the curriculum, write for a catalog of the regular session.

### COLLEGE OF LAW

The student must have pursued successfully the courses of study prescribed for the first and second years. In addition, the student must have pursued successfully such of the subjects offered for the third year as will entitle him to twenty-six credits, among which Private Corporations, Common and Statute Law of Kentucky, Property I, Property IV, and Constitutional Law are required.

First year: Contracts; Agency; Torts; Crimes; Property II; Pleading; Common and Statute Law of Kentucky.

Second year: Equity; Civil Procedure; Property III; Negotiable Instruments; Property V; Quasi Contracts; Evidence.

Third year: Sales; Property IV; Municipal Corporations; Trusts; Mortgages; Private Corporations; Constitutional Law; Suretyship; Conflict of Laws; Persons; Public Utilities; Partnership; Insurance; Damages; International Law; Corporate Organization and Operations; Federal Court Procedure; Legal Ethics; Mine Construction; Operation and Incidents.

### COLLEGE OF EDUCATION

The College of Education grants two degrees: A Bachelor of Arts in Education and a Bachelor of Science in Education.

Students who major in education and select their group work in English, mathematics, the social sciences, the natural sciences or the languages will be entitled to consideration for the degree of Bachelor of Arts in Education.



Students who major in education and select their group work in art education, agriculture, engineering or home economics will be entitled to consideration for the degree of Bachelor of Science in Education.

For a degree in education the student is required to present a total of 127 credits with a standing of 1.

#### THE DEGREE OF BACHELOR OF ARTS IN EDUCATION

The following is the work required in all curricula leading to the degree of Bachelor of Arts in Education:

##### ARTS AND SCIENCES

|                              |     |         |
|------------------------------|-----|---------|
| English .....                | 6   | credits |
| Biological Sciences .....    | 6   | credits |
| Social Sciences .....        | 6   | credits |
| Psychology .....             | 3   | credits |
| Physical Education .....     | 1.4 | credits |
| General Hygiene .....        | 2.6 | credits |
| Military Science (Men) ..... | 5.6 | credits |

Total Academic Subjects .....30.6 credits

##### PROFESSIONAL SUBJECTS

|   |   |         |
|---|---|---------|
| Survey of Education .....   | 3 | credits |
| Educational Psychology .....  | 3 | credits |
| Principles of Education .....   | 3 | credits |
| Secondary Education .....   | 3 | credits |
| The Technique of Teaching .....   | 3 | credits |
| Special Methods, including Observation, Participation and Practice Teaching ..... | 3 | credits |
| Public Education in the United States .....                                       | 3 | credits |
| Electives in Education .....  | 3 | credits |

Total Education Subjects .....24 credits

##### GROUP ELECTIVES

|  |                  |
|--|------------------|
| Group Electives in Field of Major Teaching |                  |
| Interest .....                             | 24 to 30 credits |
| Group Electives in Field of Minor Teaching |                  |
| Interest .....                             | 15 to 18 credits |
| Free Electives .....                       | 25 to 34 credits |

#### COLLEGE OF COMMERCE

The degree of Bachelor of Science in Commerce is conferred upon students who present 127 credits with a standing of at least "1" and who complete all the required courses. Required subjects vary some-



what according to the curriculum selected. The minimum requirements are listed in the General-Business Curriculum of the General Catalog. Unless two units in the ancient or foreign languages are offered for entrance, one year of language in college is required. It is strongly recommended that all commerce students elect at least one year of language.

## THE GRADUATE SCHOOL

### THE GROWTH OF THE GRADUATE PROGRAM

The demand for graduate work at the University of Kentucky has grown rapidly in recent years. High school teachers, supervisors, principals and superintendents of schools, and teachers in normal schools and junior and senior colleges are seeking the education and training represented by higher degrees. To meet this demand, the several colleges of the University are providing larger programs of work for graduate students.

### ADMISSION TO THE GRADUATE SCHOOL

Graduates of the University of Kentucky are admitted to the Graduate School without examination. Graduates of other approved universities and colleges are admitted to the Graduate School upon filing with the Registrar of the University an official transcript of their undergraduate record. It is desirable that this record be sent some weeks in advance of the opening of the summer session. In some cases it is necessary to prescribe undergraduate courses as a further preparation for candidacy for the degree sought. This is required of students coming from institutions not on our accredited list and also of students whose undergraduate work has not sufficiently prepared them to proceed with graduate study in their major field.

College graduates who desire to confine their work to undergraduate courses and who do not expect to become candidates for higher degrees should not register in the Graduate School, but with the Dean of the College in which their courses are listed.

### GENERAL REQUIREMENTS FOR THE MASTER'S DEGREE

Candidates for the Master of Arts and Master of Science degrees are required to secure twenty-four credits in courses and 36 weeks in residence, and in addition write an acceptable thesis. Only courses numbered above 100 are given graduate credit. At least twelve credits must be done in the major subject. The thesis must be written in this field.

The graduate student is required to take the regular examination in courses and at the completion of the thesis is given an oral examination in his major and minor studies by an examining committee made up of the Dean of the Graduate School and his major and minor professors. At this time he is also expected to defend his thesis.



## TEACHERS' CERTIFICATES

The act governing the certification of teachers by the University of Kentucky passed by the General Assembly of 1926 provides for the issuance of certificates through the College of Education, University of Kentucky, as follows:

A COLLEGE ELEMENTARY CERTIFICATE, valid for two years of teaching in any elementary school of the State, shall be issued upon completion of at least thirty-two semester hours of work, including six semester hours in education. This certificate shall be renewed for two years upon completion of at least sixteen or more additional semester hours of college work, at least eight of which must be earned in residence.

A STANDARD CERTIFICATE, valid for three years of teaching in any public school of the Commonwealth, shall be issued upon completion of at least sixty-four semester hours of college work including twelve semester hours in education. This certificate shall be renewed upon evidence of thirty-two semester hours of college work including six semester hours of education. It may be extended for life when the applicant has met the requirements for a baccalaureate degree in the College of Education and presents in addition thereto three years of successful teaching experience after graduation from the University of Kentucky.

A COLLEGE CERTIFICATE, valid for three years of teaching in any public school of the Commonwealth, shall be issued to persons completing a curriculum in the College of Education and receiving a degree therefrom. This certificate shall be renewed for life after three years of successful experience in educational work in the public schools. Credit for one year of graduate work may be accepted in lieu of one year of successful experience as above provided.

## DESIGNATION OF COURSES

The courses in each department are numbered as in the University catalog, those primarily for undergraduates, from 1 to 99; those for both graduates and undergraduates, from 100 to 199; and those primarily for graduates from 200 on. All courses are fully described in the subsequent pages.

## STUDENT LOAD

The normal load for the average student is six semester hours for each term. Students presenting a standing of 2 (average of "B") or better will be allowed to carry seven semester hours either term, which will be the maximum load for summer session students. No student will be allowed to earn more than thirteen hours during the two terms.



No student will be allowed to carry more than the normal load without filing a petition for extra work with the dean of his college and having it approved by the Scholarship and Attendance Committee.

Persons entering five days late will be required to carry one credit less than the amount specified above.

#### REDUCED RAILROAD RATES

The Southeastern Passenger Association has granted railroad rates of one and one-half fare for round trip tickets for the summer session of 1927. This rate applies to the entire southeastern territory with the exception of stations in Virginia and in Washington, D. C. Tickets will be on sale June 9 to June 15, inclusive, and July 14 to July 20, inclusive. The final limit on all tickets will be August 26. These tickets must be validated by the regular passenger agent at Lexington before the return journey is commenced.

Please write to the Director of the Summer Session for proper identification blanks before you come to the summer session.

#### FEES

The tuition fee for each college, with the exception of the College of Law, is \$18.00 a term. In the College of Law, there is just one term of ten weeks and the fee is \$50.00 for the term.

Any student registering for a course in the College of Law shall pay the tuition fee for this College, namely, \$50.00. This applies not only to students majoring in law but to students in all other colleges.

#### REFUNDS

During the first eight days after the opening of either term of the summer session, students may receive a refund on the amount paid in fees, not to exceed 80% of all fees paid. In no case shall the amount refunded exceed 80%, and in no case will refunds be made after the first eight days.

#### LATE REGISTRATION

Students entering the University after the regular registration period will be charged an additional fee of \$2.00 for the first day and \$1.00 a day thereafter, the total not to exceed \$5.00.

No student will be permitted to matriculate later than one week after the opening of the term without special permission of the heads of departments concerned and the Dean of the College. No student will be allowed to register for credit for the first term's work after June 20 nor for the second term's work after July 23.



### CHANGES IN REGISTRATION

After three days following the regular registration period, a fee of \$2.00 will be charged for transfer from one college or school to another.

### LATE CLASSIFICATION FEE

Students who fail to arrange classification within the scheduled time will be charged a fee of \$2.00. No change in registration will be permitted after the dates indicated in the calendar.

### FEE FOR CHANGE IN CLASSIFICATION

After three days following the regular registration period a fee of \$2.00 will be charged for any change in schedule.

### MARKING SYSTEM

Results of work will be recorded in the Registrar's office as follows:

- A. Exceptionally high quality, valued at 3 points for each credit.
- B. Good, valued at 2 points for each credit.
- C. Fair, valued at 1 point for each credit.
- D. Unsatisfactory, indicates a deficiency and gives no points, but gives credit for graduation if with such credits the student's standing is 1 or more.
- E. Failure, valued at 0 points and no credits.
- I. Incomplete.
- X. Absent from examination.

The *standing* of a student is defined as the ratio of his total number of points to his total number of credits. For example, a student who makes an average mark of C thruout his course of 120 semester hours, would have 120 points and 120 credits, and a standing of *one*. An average mark of B would give the student 240 points and 120 credits and a standing of *two*. When a semester's work is to be considered "standing" is understood to be the ratio of the number of points gained to the number of credits scheduled.

### ROOM AND BOARD

The University residence halls will be open during the summer session. The rates will be as follows:

In the women's residence halls, \$1.50 to \$3.00 a week will be charged according to the room occupied. A deposit of \$5.00 should be sent to the Registrar. When such deposit is received, the room will be reserved and held until Monday evening, June 13. Rooms will not be held beyond that time unless special arrangements are made. All women students will be required to stay in the women's halls unless special permission is obtained from the Dean of Women.



In the men's hall, all rooms available may be had for only \$2.00 per week for each person in a room. A deposit of \$5.00 should be sent to the Dean of Men. When such deposit is received, the room will be reserved and held until Monday evening, June 13. Rooms will not be held beyond that time unless special arrangements are made.

Residence halls for both men and women are furnished, with the exception of linen and blankets. Students having rooms in halls will be expected to bring with them the following articles: Sheets, pillow slips, blankets and towels. All other necessary articles will be furnished.

**MEALS SERVED AT CAFETERIA.** Meals will be served at the University Cafeteria during the summer session.

**ROOMS AND BOARD IN LEXINGTON.** Accommodations for rooms and board in the University neighborhood may be had by inquiring at the office of the Dean of Men. Rooms may be had at rates varying from \$10.00 to \$25.00 a month. Board may be had at from \$5.00 to \$7.00 a week. All rooms listed have been inspected and certain standards maintained. Men who have not had reservations made at the dormitories should, on their arrival at the University, apply at the office of the Dean of Men for information as to available rooms.

**UNIVERSITY HEALTH SERVICE.** The services of a physician and nurse will be available to the students registered in the summer session during both terms. Consultations may be had at the offices of the Department of Hygiene.

#### PLACEMENT SERVICE

There is a constantly growing demand for the services of the graduates of the University of Kentucky. The institution receives more requests for teachers than it has applicants for positions. The Placement Service is operated through the College of Education, and every attempt is made to procure for the students and for the graduates of the University the type of employment which will enable each one to achieve the best results.

The University desires to be of greatest service to the public schools of Kentucky by training an efficient group of teachers and by placing each one of these in the type of position where he can do his best work. Each student in attendance at the University who desires a position should register with the Placement Service on the second floor of the Education Building. Superintendents and principals of schools desiring teachers should write to the Placement Service, College of Education, for the credentials of persons available.

#### EX-SERVICE MEN

Ex-service men, under the provisions of Kentucky Statutes, receive free tuition and room rent. This applies to the summer session as well



as to regular sessions. It applies only to persons who were residents of Kentucky at the time of their enlistment. In order to receive the benefits of the law, such persons must file written application with the Registrar of the University at least thirty days prior to the opening of the summer session. Such application must be accompanied by the certificate of discharge.

#### RECREATION FOR SUMMER SESSION STUDENTS

The teachers of Kentucky should be acquainted with Lexington and with the historical blue grass country surrounding it. The public school children should know more about Henry Clay and his work, should know the story of the battle at Bryan's Station and how the women saved the day by marching out in a band to carry water back into the fort when they were besieged by Indians.

The teachers of Kentucky should see the picturesque capitol at Frankfort only thirty miles from Lexington; should see the high bridge across Kentucky River, for many years the highest and today the second highest bridge in the world. They should see and know more about the beautiful stock farms of the blue grass, the home of the thoroughbred horses.

Lexington is connected with all the other cities of the blue grass region by interurban and motor bus lines, thus making it possible to get out into the country quickly, easily and at a small cost. The University is planning a series of trips for its summer school students in order to offer them the opportunity to become acquainted with the blue grass section and to learn to know its wealth of beauty and attractions.



## COLLEGE OF ARTS AND SCIENCES

PAUL P. BOYD, M. A., Ph. D., Dean

### ANATOMY AND PHYSIOLOGY

S 1a. GENERAL PHYSIOLOGY. Lectures, demonstrations and recitations. First term. Two credits. Professor Scherago.

### ANCIENT LANGUAGES AND LITERATURE

S 150a. TEACHERS' COURSE IN LATIN; BASED ON FIRST YEAR WORK. A hasty review of Bennett's Beginners' Book, and the reading of Selections from the last three books of Caesar. Discussion of the principles of teaching Latin, stressing the connection between Latin and English, the merits of the different texts, etc. First term. Two credits. Professor Jones.

S 150b. TEACHERS' COURSE IN LATIN; BASED ON THE SECOND YEAR WORK. This course will follow closely the recommendations of the Classical League Investigating Committee. A considerable amount of easy Latin will be read, taken from several authors. Discussion of Latin exhibits and other means of arousing interest in the work. Second term. Two credits.

S 3. CICERO AND SALLUST. The four speeches of Cicero against Catiline will be read and, also, Sallust's Catiline. A comparative study of the orator and the historian. Both terms. Two credits. Professor Jones.

S 4a. SELECTIONS FROM OVID AND VIRGIL. This has proven to be one of our most interesting Latin courses. Ovid gives us mythology at first hand and Virgil portrays the traditions and aspirations of the Romans. Both terms. Two credits. Professor Jones.

S 5. LIVY. Talks on foundation and development of the Roman State; the methods and aims of ancient writers of history as compared with those of today. Both terms. Two credits. Professor Jones. (If the students prefer, Horace may be elected instead of Livy).

S 109. LATIN LITERATURE (SELECTIONS). The authors studied will be selected by the class. Primarily for graduates. Open also to qualified undergraduates. First term. Two credits. Professor Jones.

S 110. LATIN LITERATURE (SELECTIONS). This is a reading course and the authors selected will be such as are new to the members of the class. For graduates and for properly qualified undergraduates. Second term. Two credits.

S 51. ELEMENTARY GREEK. Declensions, conjugations, rules of syntax. English derivatives from Greek words will be noted. Both terms. Two credits. Professor Jones.

One other course will be offered the second term. It may be Latin Composition, or a reading course in either Latin or Greek, as the students elect. Two credits.



## ART

13a. DRAWING AND PAINTING. Expression by line, light and shade color. Drawing from objects, cast, still life. Perspective figure drawing, outdoor sketching. Mediums—charcoal, crayons, water color, oil. First term. Two credits. Miss Meyer.

23a. PROBLEMS IN ART STRUCTURE. A study of the underlying principles of art through their application, line, tone, color. Arrangements involving the use of good proportion, harmony, balance, rhythm, repetition, subordination, etc. Original design for textiles, mosaic, interior decoration, costume, etc. First term. Two credits. Miss Meyer.

S 10. THE TEACHING OF ART IN PUBLIC SCHOOLS. A course designed for public school teachers who offer instruction in art education. First term. Two credits. Miss Meyer.

## BACTERIOLOGY

8. BACTERIA IN RELATION TO MAN. An elementary course in bacteriology dealing in a general way with the relation of microorganisms to man and his environment. The development of the science of bacteriology; the role of microorganisms in the constructive and destructive processes in nature; the forms, structure and functions of microorganisms; the relation of microorganisms to industry; relation of microorganisms to disease. This course does not fulfill the requirements for advanced work in bacteriology. Two credits. Second term. Doctor Weaver.

102. GENERAL BACTERIOLOGY. Morphology, classification physiology, observation and cultivation of bacteria and related microorganisms; their relation to certain fermentations and to the preservation of food; their influence on the plant food in the soil. Microorganisms in milk, water, air, and soil. Relation of microorganisms to disease; sources and modes of infection; use of germicidal agents; theories of immunity. Prerequisite, Chemistry 1b. First term. Four credits. Professor Scherago.

103. PATHOGENIC BACTERIOLOGY. Cultivation, morphology, means of identification, powers of resistance, pathogenesis, distribution, channels of infection and means of dissemination of pathogenic microorganisms, especially those related to the specific infectious diseases of man and animals. Study of preparation, standardization and uses of vaccines, toxins, antitoxins and other biological products related to the diagnosis, prevention and treatment of specific infectious diseases. Application of the various phenomena of immunity in the diagnosis of infectious diseases; agglutination, precipitation and complement fixation reactions. Anaphylaxis. Prerequisite, course 102 or 2b. Second term. Four credits. Doctor Weaver.



107. BACTERIOLOGY OF WATER AND SEWAGE. The microflora of water; importance of the colon-typhoid group of bacteria in water; methods of water analysis and interpretation of results; special media used in isolating and identifying the colon-typhoid group of bacteria; methods of water purification; microflora of sewage; methods of sewage analysis; methods of sewage disposal; bacteriological study of swimming pools; methods of analysis; effect of treatment on bacterial content; regulations concerning swimming pools. Water purification plants, sewage disposal plants and swimming pools will be visited and studied. Prerequisite, Bacteriology 102 or 2b. Four credits. First term. Professor Scherago.

201a. RESEARCH IN BACTERIOLOGY. Five credits by appointment. Second term. Doctor Weaver.

### BOTANY

1a. GENERAL BOTANY. This is the first semester's work of the general course in botany and involves a critical study of the lower forms of plant life, such as the algae, fungi and the moss plants. Attention is given to the physiology, structure, method of reproduction and economic importance. First term. Four credits. Professor McFarland, Mr. Pennebaker.

1b. GENERAL BOTANY. This is a continuation of Botany 1a and involves a detailed study of the ferns, fern allies and the seed plants. Considerable attention is given to methods of reproduction and course of development. Some account of heredity is given. Second term. Four credits. Professor McFarland, Mr. Pennebaker.

20. DENDROLOGY (TREE STUDY). This course is designed to give the student a thorough knowledge of the native and exotic trees of the State. Lectures will be given in the field when the weather permits. Practice in using various keys and the making of keys will be given during the course. Besides the regular lectures, two all-day field trips will be required. One of these trips will be to Natural Bridge and the other will be taken somewhere along the Kentucky River. No prerequisites. First and second terms. Two credits. Professor McFarland.

### CHEMISTRY

1a. GENERAL INORGANIC CHEMISTRY. Lectures, classroom and laboratory work. First term. Five credits. Assistant Professor Mitchell.

1b. GENERAL INORGANIC CHEMISTRY. Continuation of Chemistry 1a. Chemistry of the metals. Lectures, classroom and laboratory work. Prerequisite, Chemistry 1a. Second term. Five credits. Assistant Professor Mitchell.

4. QUALITATIVE ANALYSIS. Laboratory work accompanied by recitation periods. Prerequisite, Chemistry 1b. First term. Four credits. Mr. Zimmerman.



7. ORGANIC CHEMISTRY. An elementary course for non-professional students. Prerequisite, Chemistry 1b. First and second terms. Five credits. Assistant Professor Barkenbus.

8. QUANTITATIVE ANALYSIS. Prerequisite, Chemistry 4. Recitation and laboratory work. Five credits. First term. Assistant Professor Bedford.

109. QUANTITATIVE ANALYSIS. Prerequisite, Chemistry 8. Recitation and laboratory work. Five credits. First term. Assistant Professor Bedford.

### ENGLISH LANGUAGE AND LITERATURE

S 1a. ENGLISH COMPOSITION. Practice in writing correct and clear English. Accuracy of expression is desired rather than proficiency in style. A textbook will be used, but the instruction will be based upon the study of representative English masterpieces. Required of all freshmen. Two credits. Both terms. Mr. Ramsey.

S 1b. ENGLISH COMPOSITION. This course is a continuation of English 1a. Required of all freshmen. This course with English 1a is prerequisite to all other courses in English. Two credits. Both terms. Mr. Ramsey.

S 2a. ADVANCED COMPOSITION. This is an advanced course in composition. Prerequisite, English 1a, 1b. Two credits. Second term. Associate Professor Knight.

S 3a. HISTORY OF ENGLISH LITERATURE. This course designed to give the student a general survey of English literature from the old English period to the present. Readings from selected masterpieces. Prerequisite, English 1a or 1b. Two credits. Both terms. First term. Mr. Yates. Second term, Mr. Kelley.

S 3b. HISTORY OF ENGLISH LITERATURE. This course is a continuation of course 3a. Both courses are prerequisite to all other courses in literature. Two credits. First term, Mr. Kelley.

26. LIBRARY METHODS FOR TEACHERS. Two credits. First term. Miss King.

105. BROWNING. An intensive study of the art and teaching of Browning. Two credits. First term, Professor Dantzler.

S 106. ROMANTICISM. A study of the English romantic movement from its beginning to its culmination in the poets of the early nineteenth century. Two credits. First term, Associate Professor Brady.

S 110. SHAKESPEARE. Shakespeare's plays are studied in an effort to appreciate drama and art. Two credits. First term, Professor Farquhar.

S 111. THE ENGLISH NOVEL. A study of the development of the novel. Two credits. Second term, Associate Professor Knight.



S 114. AMERICAN LITERATURE. The literature of America is studied in its relation to national life and thought. The leading authors will be studied in class while the minor writers will constitute parallel reading. Two credits. Second term, Mr. Kelley.

S 116. CONTEMPORARY DRAMA. Problems in the development of contemporary drama. Two credits. First term, Professor Farquhar.

S 120. PRONUNCIATION OF MODERN ENGLISH. A study of present-day pronunciation with a view to determine a standard of correct pronunciation. Two credits. First term, Professor Dantzler.

S 130a. COMPARATIVE LITERATURE. Contributions of Greek and Roman thought to modern civilization. Classics read in translation. Two credits. First term, Associate Professor Brady.

S 134. DEVELOPMENT OF THE ESSAY. Two credits. First term, Associate Professor Brady.

S 137. EDGAR ALLAN POE. An intensive study of the work of Poe. Two credits. First term, Professor Farquhar.

S 140. ENGLISH LITERATURE FROM 1660 TO 1774. A survey of those literary types which have their origin or are developed in the Augustan age. Two credits. Second term, Mr. Kelley.

S 201a. LITERARY CRITICISM. A course for graduate students only in literary criticism. Two credits. First term, Professor Farquhar.

S 207. SPENSER. For graduates only. Two credits. First term, Professor Dantzler.

## GEOLOGY

S 2a. ELEMENTARY GEOLOGY. A study of those forces and processes which determine the surface features of the earth, and which in the past have contributed to the present topography. Emphasis is placed on the application of an understanding of these processes to the interpretation of earth history. First term. Two credits. Mr. Murphy.

16a. MINERAL RESOURCES. An elementary study of the metallic mineral resources of the United States with respect to their origin, geologic occurrence, distribution and uses. The course includes a short introduction to the geological principles involved in the formation of mineral deposits. No prerequisite. First term. Two credits. Mr. Murphy.

S 18. ELEMENTS OF GEOGRAPHY. An introductory study of the influence of physical environment on man. It is the purpose of the course to develop a conception of the various types of environment, such as climate, land forms, soils, surface and ground waters, mineral resources, and native vegetation, and their influence on the life and activities of man. First term. Two credits. Mr. Murphy.



## GERMAN LANGUAGE AND LITERATURE

S 1a. ELEMENTARY GERMAN. Six hours a week. First term. Two credits. Professor Melcher.

S 1b. ELEMENTARY GERMAN. Six hours a week. First term. Two credits. Professor Melcher.

S 2a. INTERMEDIATE GERMAN. Six hours a week. First term. Two credits. Professor Melcher.

S 2b. INTERMEDIATE GERMAN. Six hours a week. First term. Two credits. Professor Melcher.

S 3a. COMPOSITION AND READING. Six hours a week. First term. Two credits. Professor Melcher.

S 3b. COMPOSITION AND READING. Six hours a week. First term. Two credits. Professor Melcher.

S 4a. ADVANCED READING AND COMPOSITION. Six hours a week. First term. Two credits. Professor Melcher.

S 6. SCIENTIFIC AND JOURNALISTIC GERMAN. Six hours a week. First term. Two credits. Professor Melcher.

Any of the above courses will be offered both terms of the summer school if the demand is sufficient; more advanced courses may also be arranged for on the same conditions.

## HISTORY

### A—AMERICAN HISTORY

40. HISTORY OF KENTUCKY. A general review of the principal elements and factors which have entered into the building of Kentucky as a commonwealth and as a unit in the nation. A paper will be required. First term. Two credits. Professor Coulter.

S 160. THE CIVIL WAR PERIOD IN KENTUCKY. A close study of neutrality, war, and readjustment with emphasis on political, economic, and social developments in Kentucky, 1860-1872. First term. Two credits. Professor Coulter.

S 165. THE AMERICAN CIVIL WAR. The raising of troops and the major strategies of the war, with more particular attention to such subjects as slavery, foreign affairs, politics, and economic developments. Topics will be assigned for investigation in the sources as far as possible, and reports will be required. First term. Two credits. Professor Coulter.

### B—EUROPEAN HISTORY

S 4b. MODERN EUROPE. A general elementary survey of European History from 1648. Designed primarily for 1st and 2nd year students. Text: Schevill, A History of Modern Europe. Both terms. Two credits, each term. Professor Clyde.



S 119b. NINETEENTH CENTURY. An advanced survey of imperialism in the 19th and 20th centuries with particular attention to the years 1878-1914. No text required but the student will be expected to have or to acquire a working knowledge of Hayes: Political and Social History of Modern Europe. Vol. 2. Open to 3rd and 4th year and graduate students. First term. Two credits. Professor Clyde.

205. SEMINAR IN AMERICAN FAR EASTERN RELATIONS. An investigation from source materials of one or more topics in American diplomacy in the Far East. Background reading—Dennett, Americans in Eastern Asia. Three hours, open only to graduate students. First term. Two credits. Professor Clyde.

S 120. TWENTIETH CENTURY. A course in recent history, largely continuing the development of course 119b. Second term. Two credits. Professor Clyde.

#### HYGIENE AND PUBLIC HEALTH

1a. HYGIENE. This course includes the historical development of the scientific facts upon which the present-day preventive medicine is builded; the various theories of disease, the fundamental principles of biology and bacteriology; the methods whereby diseases are disseminated; methods of entrance into the body; theories of immunity, etc. First term. 1.3 credits. Associate Professor Zwick.

1b. HYGIENE. Continuation of 1a. A statistical method of approach to the problems in the field of hygiene, emphasizing the importance of the morbidity and mortality occurring from various causes through the lack of application of preventive medicine. Second term. 1.3 credits. Assistant Professor Rhodes.

105a. ADVANCED HYGIENE. 1a and 1b prerequisites. This course deals with the specific problems in the field of hygiene and the methods of prevention in each field. First term. Two credits. Associate Professor Zwick.

105b. ADVANCED HYGIENE. 105a prerequisite. Continuation of 105a. Second term. Two credits. Assistant Professor Rhodes.

#### JOURNALISM

S 1a. FIRST YEAR JOURNALISM. Typewriting, Reporting. First term. Two credits. Professor Grehan.

S 1b. FIRST YEAR JOURNALISM. Reporting, advanced. Second term. Two credits. Mr. Griffin.

S 2a. SECOND YEAR JOURNALISM. Etymology, study of words, spelling. First term. Two credits. Professor Grehan.

S 2b. SECOND YEAR JOURNALISM. Second term. Two credits. Mr. Griffin.

S 3a. THIRD YEAR JOURNALISM. Verbal criticism. First term. Two credits. Professor Grehan.



S 3b. THIRD YEAR JOURNALISM. Copy reading, proof reading, headlining, make-up of newspaper. Second term. Two credits. Mr. Griffin.

#### MATHEMATICS

S 1. ELEMENTARY ALGEBRA. This course is designed for those who enter the University with only one unit of high school mathematics, and is prerequisite for Mathematics 4 and 5. Open only to college students. Quadratics and beyond. Second term. Two credits. Professor Davis.

S 2. SOLID GEOMETRY. This is given primarily for engineering students who enter conditioned in solid geometry. It is a prerequisite for analytics. Second term. Two credits. Professor Davis.

S 4. PLANE TRIGONOMETRY. A thorough course in plane trigonometry supplemented by enough algebra to fill out a semester's work. For Arts and Sciences and Engineering students. Prerequisite, one and one-half units of entrance algebra. First term. Four credits. Mr. Canaday.

S 5. COLLEGE ALGEBRA. Elementary algebra is first reviewed in a way to give greater clearness as to assumptions, the number concept, and to introduce graphs and determinants. Following this, topics are taken up that will, together with those included in Mathematics 4, furnish the student with a fairly complete view of the subject. Prerequisite, one and one-half units of entrance algebra. First term. Four credits. Mr. Canaday.

S 6. ANALYTIC GEOMETRY. A course in which particular emphasis is laid on the graphical representation of the various types of functions. The derivative is introduced as a tool for study. Prerequisites, Mathematics 2, 4 and 5. First term. Four credits. Miss Cooper.

S 7a. DIFFERENTIAL CALCULUS. A course covering most of the subject as presented in the larger texts and including much drill work in the solution of problems. Some work in integration is done. Engineering students take this in the second semester of the sophomore year. Prerequisites, Mathematics 4, 5 and 6. First term. Four credits. Associate Professor LeSturgeon.

S 7b. INTEGRAL CALCULUS. A continuation of 7a. Both terms. Two credits. Professor Davis and Mr. Brown.

S 14. MATHEMATICS OF FINANCE. First term. 4 credits. Mr. Brown.

\*S 111. HIGHER ALGEBRA. First term. Two credits. Associate Professor LeSturgeon.

\*S 107. PROJECTIVE GEOMETRY. First term. Two credits. Associate Professor LeSturgeon.

\*S 106a. ADVANCED CALCULUS. First term. Two credits. Associate Professor LeSturgeon.

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NOTE.—Only one of the courses marked \* will be given the first term.



## MUSIC

This department seeks not only to supply means of self-expression but also practical and technical assistance toward the development of men and women who wish to serve as supervisors of music, leaders of bands and orchestras, and as choir directors.

13a. SIGHT READING. An elementary course in music designed for those who have had no previous musical instruction. Helpful to those who wish to express themselves either vocally or instrumentally. Includes teaching of notes, time, etc. First term. Two credits. Professor Lampert.

8a. CHORUS. Selections for mixed voices will be studied for public presentation. First term. One-half credit. Professor Lampert.

2a. MUSICAL APPRECIATION. The object of this course is to provide material and methods for teaching history and appreciation of music in schools, and to enable all, even though unable to play an instrument, to become acquainted with the art and really enjoy good music when they hear it. First term. One credit. Professor Lampert.

3a. HARMONY. The aim of this course is to give practice in chord combination and writing of melodies. This work forms the basis for the study of musical theory in the public schools. First term. Two credits. Professor Lampert.

4a. PUBLIC SCHOOL MUSIC. This course is not only for those who wish to fit themselves for the supervision of music in the public school, but is also designed for teachers in the grades. Two credits. Professor Lampert.

## PHILOSOPHY

S 102. LOGIC. A study of The Fundamental Principles of Deductive and Inductive Logic, The values of the syllogism and a priori reasoning, and The Principles of Inductive Reasoning, especially as applied in modern science. First term. Two credits. Mr. Wild.

S 103. ETHICS. A study of the origin of morals, right and wrong, good and bad, professional codes of ethics, the individual and the State's attitude on moral questions, good citizenship, Kant's Categorical Imperative and the live moral problems of the day. First term. Two credits. Mr. Wild.

S 101. HISTORY OF PHILOSOPHY. A rapid survey of modern philosophy from Bruno to the present day, with special stress on Bacon, Descartes, Spinoza, Locke, Hume, Kant, Hegel and The Pragmatists. First term. Two credits. Mr. Wild.

## PHYSICAL EDUCATION AND ATHLETICS

S 8. PRINCIPLES OF COACHING BASKET BALL. Instruction will be given in basket ball with the idea of fitting men to coach. The course will cover passing, goal throwing, dribbling, team play, how to condi-



tion a team, and the different styles of play used by the leading coaches. Open to men and women. Lectures and practical work. First term. One and one-half credits. Professor Boles.

S 9. PRINCIPLES OF COACHING FOOTBALL. The theoretical work will take up the rules from the standpoint of the coach, players and officials; the several styles of offense and defense with consideration for their special strength and weaknesses; generalship and strategy. The practical work will include training, conditioning and players' equipment; punting, drop kicking, place kicking, kick-off, and forward passing; tackling dummy and charging sled; special drills for linesmen, ends and back, following the ball, interferences and team work; fundamental plays, freak plays, and signal systems. Lectures and practical work. First term. One and one-half credits. Professor Boles.

10. PLAYS AND GAMES FOR GRADED AND RURAL SCHOOLS. The possibilities of exercise for graded and rural schools will be shown. Both theoretical and practical work will be given. First term. Two credits. Professor Boles.

#### PHYSICS

1a. GENERAL ELEMENTARY PHYSICS. For students who have had no previous training in physics. The course covers elementary theory of mechanics and heat. Lectures and recitations two hours daily. Laboratory six hours per week. First term. Five credits. Professor Webb.

1b. GENERAL ELEMENTARY PHYSICS. Prerequisite, Physics 1a. A continuation of Physics 1a, covering electricity, sound and light. Lecture and recitation two hours daily. Laboratory six hours per week. Second term. Five credits. Professor Webb.

3a. GENERAL COLLEGE PHYSICS. Prerequisite, one year of high school physics and Mathematics 2 and 3. Course covers mechanics, heat and wave motion with particular emphasis on the solution of problems. Lecture and recitation two hours daily. First term. Four credits. Associate Professor States.

3b. GENERAL COLLEGE PHYSICS. Prerequisite, Physics 3a. A continuation of Physics 3a, covering electricity, sound and light. Lecture and demonstrations two hours daily. Second term. Four credits. Associate Professor States.

S 5. MEASUREMENTS IN MECHANICS AND HEAT. Prerequisite, credit in or simultaneous study of Physics 3a. Lecture two hours per week. Laboratory eight hours per week. First term. Two credits. Associate Professor States.

S 6. ELECTRICAL MEASUREMENTS. Prerequisite, Physics 3a and 5, and credit in or simultaneous study of Physics 3b. Lectures two hours per week. Laboratory eight hours per week. Second term. Two credits. Associate Professor States.



S 51a. INTRODUCTION TO PHYSICS. A non-mathematical, non-laboratory introduction to Physics, consisting of five demonstration lectures and one recitation per week, covering the subject of mechanics, heat and sound. Lectures are arranged to stimulate interest in the science of Physics by making its introduction popular, as well as scientific. Content and method of presentation should be helpful and of interest to all teachers of General Science, Physics and Chemistry in High Schools. First term. Two credits. Professor Webb.

S 51b. INTRODUCTION TO PHYSICS. A continuation of S 51a. Second term. Two credits. Professor Webb.

114a. RADIO COMMUNICATION. The lectures and recitations cover: (1) The fundamental concepts of the subject of electricity, emphasis being placed upon those features which deal directly with radio problems. Current, potential difference, quantity, capacity, mutual and self induction, etc., will be discussed with special reference to their importance in wireless circuits. (2) A brief discussion of the fundamental mathematics essential for the proper treatment of high frequency alternating currents and radio circuits. (3) The application of (1) and (2) to radio circuits. A discussion of the theory of transmission and reception of wireless waves. The theory of the detector and amplification properties of the vacuum tube. Lecture and recitation 3 hours per week, laboratory 4 hours per week. Two credits. Associate Professor States.

114b. RADIO COMMUNICATION. A continuation of S 113a. Second term. Two credits. Associate Professor States.

#### POLITICAL SCIENCE

S 15a. PROBLEMS OF CITIZENSHIP. This course is designed especially for an introductory course in the field of Political Science, but will be found very helpful to students who do not have an opportunity to take courses in government. The problems dealt with are the newspaper, the negro problem, feminism and the woman movement, capital and labor, socialism, international relations. First term. Two credits. Assistant Professor Vandenbosch.

S 15b. PROBLEMS OF CITIZENSHIP. A continuation of course S 15a. Second term. Two credits. Assistant Professor Vandenbosch.

S 51a. AMERICAN GOVERNMENT. A study of the foundation of the American federal government, and a closeup view of the machinery of the federal government at work. First term. Two credits.

S 51b. AMERICAN GOVERNMENT. A continuation of course S 51a, with a part of the time devoted to the work of the state and local governments. Second term. Two credits. Assistant Professor Vandenbosch.



S 150. INTERNATIONAL LAW. An elementary course in international law, with case-book and text. First term. Two credits. Assistant Professor Vandenbosch.

S 155a. COMPARATIVE GOVERNMENT. A study of the governments of Europe, contrasted with the government of the United States, and with each other. First term. Two credits.

S 155b. COMPARATIVE GOVERNMENT. A continuation of course 155a. Second term. Two credits. Assistant Professor Vandenbosch.

S 170. POLITICAL PARTIES. A study of the history and organization of the political parties in the United States, and their influence upon the operation of the government. First term. Two credits.

S 173. PUBLIC OPINION—AND EXTRA-LEGAL GOVERNMENT. A study of the place of public opinion in America, the agencies for creating it, and the methods of expressing it. First term. Two credits. Assistant Professor Vandenbosch.

#### PSYCHOLOGY

S 1. INTRODUCTORY PSYCHOLOGY. For those who have never had psychology in college. The course covers in an elementary way the main facts and laws of normal human behavior. Recitations and demonstrations. First term. Four credits. Mr. Charles.

S 7. PSYCHOLOGY OF THE CHILD. A study of the child in infancy, childhood and adolescence. Consideration of the problems of behavior arising during these periods and the ways of meeting them. The significance of individual differences in relation to native tendencies and training. An introductory course in psychology is a prerequisite. First term. Two credits. Professor Dockeray.

S 104. SOCIAL PSYCHOLOGY. A study of the individual in his social group. Psychological analysis of social principles and forces which influence individual activity. Types of group behavior. An introductory course in psychology is a prerequisite. Second term. Two credits. Professor Dockeray.

S 107. PSYCHOLOGICAL INTERPRETATION (PERSONALITY). A study of the inherited and environmental factors that go to make up the integrated personality as well as the factors that result in common abnormalities of personality. Such traits as temperament, leadership, aggressiveness and reliability are considered. A clinic at the state hospital for the insane will be arranged. An introductory course in psychology is a prerequisite. First term. Two credits. Professor Dockeray.

108a. HUMAN MEASUREMENTS. Theory of intelligence with a study of individual and group tests of general mental ability. The history and significance of the testing movement. Especially useful for teachers in understanding the literature on intelligence tests of school children. An introductory course in psychology is a prerequisite. Second term. Two credits. Professor Dockeray.



109a. DIAGNOSIS OF DEVELOPMENT. A practice course in giving individual and group intelligence tests, in scoring them and in considering their bearing upon the care of particular children. The course in Human Measurements is a prerequisite or must be carried concurrently. Second term. Two credits. Professor Dockeray.

113. PSYCHOLOGY OF LEARNING. The nature of the learning process together with an analysis of the types of learning. Attention will be given to economical methods of learning, and transfer of training. The course will attempt to give teachers an understanding of the kind of progress which they should expect from school children. One hour lecture, one hour laboratory daily. An introductory course in psychology is a prerequisite or must be carried concurrently. First term. Three credits. Professor Dockeray and Mr. Charles.

#### ROMANCE LANGUAGES

S 1a. ELEMENTARY FRENCH. Open to freshmen. First term. Two credits. Assistant Professor Server.

S 1b. ELEMENTARY FRENCH. Continuation of French 1a. Prerequisite, one year of high school French or French 1a. Both terms. Two credits. Assistant Professor Horsfield and Mr. Holmes.

S 2a. INTERMEDIATE FRENCH. Prerequisite two years of high school French or two semesters of college French. First term. Two credits. Assistant Professor Horsfield.

S 2b. INTERMEDIATE FRENCH. Continuation of French 2a. Second term. Two credits. Mr. Holmes.

S 6a. FRENCH NOVEL AND DRAMA. First term. Two credits. Professor Zembrod.

S 110a. FRENCH LITERATURE OF 17TH CENTURY. First term. Two credits. Professor Zembrod.

S 5a. ELEMENTARY SPANISH. A course in Spanish for beginners. First term. Two credits. Assistant Professor Server.

S 5b. ELEMENTARY SPANISH. A continuation of Spanish 5a. First and second terms. Two credits. Assistant Professor Horsfield and Mr. Holmes.

S 7a. INTERMEDIATE SPANISH. First term. Two credits. Assistant Professor Server.

S 104a. SPANISH LITERATURE. First term. Two credits. Professor Zembrod.

#### SOCIOLOGY

S 1a. PRINCIPLES OF SOCIOLOGY. A study presenting the fundamental principles and aims of sociology, in a theoretical approach to the subject through a consideration of social evolution, social origins, social institutions, and social progress. First term. Two credits. Professor Best.



S 1b. PRINCIPLES OF SOCIOLOGY. An examination of certain practical, concrete social problems, such as the family, child welfare, recreational values, community organization, etc. Second term. Two credits. Professor Best.

S 101. SOCIAL DEPENDENCE. A study of poverty or social dependence, and of measures of relief afforded through charitable and philanthropic agencies, together with general or special measures for the prevention or elimination of poverty. Second term. Two credits. Professor Best.

S 103. CRIMINOLOGY. A study of crime and delinquency, and of the measures of punishment, reform and prevention. First term. Two credits. Professor Best.

S 102. SOCIAL PATHOLOGY. A study of sickness, accidents, and mental and physical defectiveness from a sociological point of view. First term. Two credits. Professor Best.

S 106. IMMIGRATION. A study of immigrant peoples and immigrant forces and of their effects upon American life. Second term. Two credits. Professor Best.

#### ZOOLOGY

1a. GENERAL ZOOLOGY. Recitations and laboratory. First term. Four credits. Mr. Brauer.

1b. GENERAL ZOOLOGY. Recitations and laboratory. Second term. Four credits. Mr. Brauer.

11. NATURE STUDY. Lectures, recitations and laboratory. Three credits. First term. Professor Allen.

101a. HISTOLOGY. Recitations and laboratory. Second term. Three credits. Mr. Brauer.

102. ORNITHOLOGY. Lectures, recitations and laboratory. Three credits. First term. Professor Funkhouser.

104. EMBRYOLOGY. Lectures and laboratory. Three credits. First term. Mr. Brauer.

106. EMBRYOLOGY. Lectures and laboratory. Four credits. First term. Mr. Brauer.

107a. COMPARATIVE ANATOMY. Lecture and laboratory. Four credits. First term. Professor Allen.

108a. PRINCIPLES OF ZOOLOGY. (Evolution) Lectures. Two credits. First term. Professor Funkhouser.

108b. PRINCIPLES OF ZOOLOGY (Heredity) Lectures. Two credits. Second term. Professor Funkhouser.

110a. INDIVIDUAL WORK. Three credits. First term. Professor Allen, Professor Funkhouser.

110b. INDIVIDUAL WORK. Three credits. Second term. Mr. Brauer, Professor Funkhouser.



## COLLEGE OF AGRICULTURE

THOMAS P. COOPER, B. S. in Agr., Dean and Director

### AGRONOMY

S 102. SOIL MANAGEMENT. A course presenting the latest practical results in soil investigations. Two credits. First term. Associate Professor Karraker.

106. FIELD CROP IMPROVEMENT. The application of the principles of genetics to plant improvement, technique of plant breeding and the results of plant breeding are studied. Prerequisites, a course in Farm Crops and one in Genetics. Two credits. First term. Assistant Professor Fergus.

### ANIMAL INDUSTRY

17. BREEDS OF LIVESTOCK. The origin, history and development of the breeds of livestock are studied. Practice is given in judging pure-bred animals. Required of freshmen in Agriculture. Three credits. First term. Assistant Professor Harris.

104. ANIMAL BREEDING AND ADVANCED GENETICS. A course in the principles of breeding as applied to livestock. The practical aspects of animal breeding are presented: Inbreeding, line-breeding, cross-breeding and breeding by selection. An analysis of some of the breeds will be made and the methods of successful breeders will be studied. Prerequisites, Breeds of Livestock, and Genetics. Four credits. First term. Professor Anderson.

107. SHEEP PRODUCTION. Three credits. First term. Assistant Professor Harris.

109.\* POULTRY JUDGING AND BREEDING. (Offered alternately with 112) The fundamental genetic principles involved in poultry breeding will be studied. The systematic culling and selective flock breeding to increase the production of the flock will be studied. In the laboratory work the time is divided between the judging of birds for exhibition points and egg production. Prerequisite, Farm Poultry Production or Genetics. Four credits. First term. Associate Professor Martin.

112.\* ADVANCED POULTRY PRODUCTION. (Offered alternately with 109). In this course the more advanced problems involved in incubation, brooding, poultry diseases, feeding and flock management will be considered. The laboratory work will consist of the actual operation of incubators and brooders, the treatment of diseased birds and the feeding of the laying flock. Prerequisite, Farm Poultry Production. Four credits. First term. Associate Professor Martin.

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\*Only one of these two courses will be given, depending upon the demand.



20. PRINCIPLES OF ANIMAL NUTRITION. A study is made of the classes of nutrients of feeding stuffs and the uses of each to the animal. A study is made of the processes of digestion, absorption and assimilation. Feedstuffs and nutritive ratios are discussed. The practical and scientific aspects of feeding various kinds of livestock are studied. Three credits. First term. Associate Professor Wilford.

119. GENETICS. The fundamental principles of heredity and variation are given in this course. Some questions discussed are reproduction, fertilization, variation, mutation, selection, pure lines, and hybrids. Three credits. First term. Professor Anderson.

#### FARM ECONOMICS

S 107a. SPECIAL PROBLEMS IN FARM MANAGEMENT. Problems assigned will bear on some phase of the general problem of efficient farm organization and management. Among the problems which may be considered are: (1) Input as related to output in farm organization and cost of production; (2) Choice and combination of enterprises as related to efficiency; (3) Land values as related to profits and other factors. Original data obtained by the Department of Farm Economics in various field studies will be available for use in the problems assigned. Two credits. First term. Mr. Finn.

#### HORTICULTURE

102b. POMOLOGY. This course will be equivalent to, and in large part identical with the course offered in the fall semester under the same number. Since it is given wholly within the growing season, the laboratory and field observations will be especially emphasized. The course includes a study of the fundamental physiological principles in such woody plants as vines and fruit trees, and especially the responses of the grape and the apple tree to variations in nutrition, as shown in growth, rest periods, fruit bud formation, self sterility, fruit setting, or in decline and death. The effect of fertilizing, pruning, training, thinning, spraying and other operations upon the growth and fruitfulness of such plants are studied also. The work of the term will be based upon Chandler's "Fruit Growing" accompanied by numerous references to other experimental data. First term. Four credits. Mr. Waltman.

#### MARKETING AND RURAL FINANCE

S 109. COOPERATIVE MARKETING. A study of the principles, methods and problems involved in the cooperative marketing of farm products. The plans of organization employed, the progress made and the problems encountered in the cooperative marketing of the important farm products are studied. Pooling plans and methods, essentials for success, marketing contracts, membership relations, financing problems, organization procedure, cooperative laws and incorporation are con-



sidered. Price control and price policies, monopolistic aspects and related questions are reviewed. Prerequisite, Marketing and Rural Finance 108. Two credits. First term. Professor Jesness.

S 111. AGRICULTURAL PRICES. A study of the factors influencing prices of farm products, of price movements and trends, and of price relationships. Factors affecting prices are reviewed. Consideration is given to governmental price-fixing, monopoly control and related questions. Market price determination for specific farm products is considered. Methods of price comparison are reviewed. The history of prices of specific farm products and cyclical tendencies are noted. Methods of assembling and disseminating crop and market information, intentions to plant reports and outlook statements are discussed. Progress in the forecasting of prices of farm products is considered. Prerequisite, Farm Economics 4. Two credits. First term. Professor Jesness.

### HOME ECONOMICS

3. FOOD AND NUTRITION. Prerequisite, Chemistry 7. Four credits. First term. Miss Hopkins.

S 9. FOODS. A course dealing with the selection and preparation of food, planning and serving meals, discussion and demonstration of desirable dishes for school lunches. Three credits. First term. Miss Dey.

S 10. CLOTHING. A study of underlying principles of clothing construction, selection of materials and relation of health to clothing. Three credits. First term. Miss Wade.

42. HOME MANAGEMENT. Students are required to live six weeks in the University practice house and perform all duties which form a part of the average home. Records are kept of expenditures and of time spent in the various activities. Prerequisites, Home Economics 6b, 4, 41. Five credits. First term. (Students who wish to take this work must arrange for it as soon as possible, as only a limited number can be taken care of, and the work at the practice house begins one week earlier than other classes.) Miss Dey.

105. SEMINAR IN NUTRITION. A study of present day knowledge of normal nutrition through readings showing results of research. One credit. First term. Miss Hopkins.

106. SEMINAR IN TEXTILES AND CLOTHING. Problems in selections. One credit. First term. Miss Wade.

121a. SPECIAL PROBLEMS IN HOME ECONOMICS. Two credits. First term. Miss Hopkins and others.



## COLLEGE OF ENGINEERING

F. PAUL ANDERSON, M. E., Dean

### CIVIL ENGINEERING

21. HYDRAULICS. This course consists of textbook exercises together with the solution of numerous problems covering the principles of hydrostatics and hydrodynamic pressure; the flow of water through orifices, nozzles, over weirs and through pipes and open channels; also the loss from friction and other sources. Prerequisites, Physics 3a, Mathematics 7a. Both terms. Two credits. Professor Johnson.

### DRAWING

1a. MECHANICAL DRAWING. (a) Freehand lettering; (b) exercises in the use of instruments; (c) projection from pictorial views and description; (d) exercises in tinting and shading; (e) tracing; (f) blue printing. First term. Two credits. Associate Professor Horine.

1b. MECHANICAL DRAWING. Continuation of Drawing 1a. First term. Two credits. Associate Professor Horine.

S 3. DESCRIPTIVE GEOMETRY. This work includes first, the discussion of descriptive geometry as a branch of pure mathematics; later comes a consideration of the application of descriptive geometry principles as an aid to engineering drawing. The lectures and recitations are supplemented by work in the drawing room. Prerequisite, Mathematics 2. First term. Four credits. Associate Professor Horine.

4a. ADVANCED DRAWING. (a) Working drawings of parts of machines and complete machines, both detail and assembly; (b) technical sketching; (c) plotting of surveys. Prerequisite, Drawing 1b. First term. Two credits. Associate Professor Horine.

4b. ADVANCED DRAWING. Continuation of Drawing 4a. First term. Two credits. Associate Professor Horine.

### ELECTRICAL ENGINEERING

S 1. ELEMENTS OF ELECTRICAL ENGINEERING. A study of the fundamental laws of electrical engineering and of direct current generators, motors, and other apparatus. First term. Two credits. Professor Freeman.

2. DIRECT CURRENT DYNAMOS. A detailed study of the principles and of the construction of direct current generators and motors. Prerequisite, Electrical Engineering 1. Both terms. Two credits. Professor Freeman.

S 3. ALTERNATING CURRENTS. This work involves a study of the fundamental laws of alternating currents and of alternating current



measuring instruments, generators, motors, transformers and converters. Prerequisite, Electrical Engineering 1. Both terms. Two credits. Professor Freeman.

S 7. DYNAMO DESIGN. Includes all calculations necessary in the design of a direct current generator or motor together with a complete set of drawings. Electrical Engineering 2 must be taken at the same time. Both terms. Two credits. Professor Freeman.

9a. ELECTRICAL LABORATORY. A series of experiments with direct current apparatus. This course should be taken at the same time as Electrical Engineering S 1. First term. One credit. Professor Freeman and Mr. Watkins.

9b. ELECTRICAL LABORATORY. This is a continuation of course 9a and is intended to parallel course 3. Prerequisite, Electrical Engineering 9a. Electrical Engineering 3 must have been completed or be taken at the same time. Both terms. One credit. Professor Freeman and Mr. Watkins.

#### ENGINEERING MECHANICS

S 1. MECHANICS OF MATERIALS. A study of the laws governing the action of different materials of construction under the action of forces. Beams, columns, shafts and plates are analyzed with reference to their resistance and deformation when subjected to strains. Prerequisites, Mathematics 7a and Physics 3a. Both terms. Four credits. Professor Johnson.

S 4. KINEMATIC DESIGN. Designs of mechanisms and machine parts, particular attention being paid to training students in the drawing room practice existing in an up-to-date machine building establishment. Prerequisites, Drawing 4b and Engineering Mechanics 3. First term. Three credits. Associate Professor Horine.

S 6. ANALYTICAL MECHANICS. This subject is given with a view of encouraging original analysis, logical proofs and rational conclusions with respect to the treatment of equilibrium and motion of bodies under the action of forces. Prerequisites, Mathematics 7a and Physics 3a. Both terms. Four credits. Professor Johnson.

S 7. MACHINE DESIGN. Beginning with the design of simple machine parts this course extends into the design of more complicated elements, requiring some knowledge of the strength and rigidity of materials. The course is a continuation of Engineering Mechanics 4. The course terminates in the design of a complete machine. First term. Two credits. Associate Professor Horine.

#### MECHANICAL ENGINEERING

S 8. STEAM LABORATORY. This course includes a study of the apparatus used in connection with the steam engine. The experiments are intended to familiarize the student with the simple methods of



measuring heat units and determining mechanical power. Prerequisites, Physics 5, Chemistry 1b and Mathematics 7a. Both terms. One credits. Professor Freeman and Mr. Watkins.

#### PRACTICAL MECHANICS

S 7a. WOOD SHOP AND FOUNDRY. This course covers bench work, wood turning and pattern making. First term. Two credits. Assistant Professor Dicker.

S 7b. WOOD SHOP AND FOUNDRY. A continuation of course 7a. First term. Two credits. Assistant Professor Dicker.

8a. FORGE, MACHINE AND AUTOMOBILE SHOPS. Prerequisite, Practical Mechanics 7b. First term. Two credits. Mr. Thurman.

8b. FORGE, MACHINE AND AUTOMOBILE SHOPS. This is a continuation of course 8a. First term. Two credits. Mr. Thurman.



## COLLEGE OF LAW

CHARLES J. TURCK, A. M., LL. B., Dean

### SCOPE OF LAW COURSES

The courses offered in the summer session in law are exactly the equivalent in scope and in the kind and amount of work required as the same courses in the regular sessions of the College of Law. Approximately one-third of the year's work can be accomplished in the summer session. Students who attend three summer sessions will shorten the time required for obtaining the law degree by nine months, and by attending two regular academic sessions will be entitled to the degree of Bachelor of Laws.

The College of Law of the University of Kentucky is a member of the Association of American Law Schools, which embraces in its membership all the leading law schools of America, and is on the approved list of law schools prepared by the American Bar Association, as a grade "A" law school.

The requirement for entrance into the College of Law is two years of college work.

Provision has been made in the selection of courses for students beginning the study of law and for those who have had some training in legal study.

## COLLEGE OF LAW

### FOR FIRST YEAR STUDENTS

**CONTRACTS 1.**—This course covers offer and acceptance, form and consideration, the Statute of Frauds, mistake, misrepresentation and fraud. Two credits. Professor Roberts.

**COMMON LAW PLEADING**—This course covers the forms of actions of the common law, their development and scope, writs and process and the pleading and proceedings in an action. Two credits. Professor Chalkley.

**TORTS 1.**—This course covers injuries to person, or property, whether intentional or unintentional, and the doctrine of legal cause and certain defenses to tort action. Four credits. Professor Scarborough.

### FOR SECOND AND THIRD YEAR STUDENTS

**CONSTITUTIONAL LAW**—Among the subjects discussed will be the function of the judiciary, in interpreting constitutions, the separation and delegation of powers of government, personal liberty, the privileges and immunities of citizenship, due process of law, eminent domain,



federal taxation, interstate commerce, impairment of the obligations of contracts and retroactive laws. Four credits. Professor Chalkley.

EQUITY 1—This course covers the nature of equity jurisdiction, specific performance of contracts, part performance, consideration and laches. Two credits. Professor Roberts.

MUNICIPAL CORPORATIONS—This course includes the problems of legislative power over the municipality, implied powers, liability in tort and contracts, property rights, municipal undertakings and modes of action. Four credits. Professor Scarborough.

TRUSTS—This course covers the nature of a trust, express trusts, creation of trusts, resulting and constructive trusts. Four credits. Professor Roberts.



## COLLEGE OF EDUCATION

WILLIAM S. TAYLOR, PH. D., DEAN

### ADMINISTRATION

S 108. PUBLIC EDUCATION IN THE UNITED STATES. An extensive study of educational problems in Kentucky and a comparative study of Kentucky's school laws, regulations and decisions with those of other states. Both terms. Two credits. First term, Mr. Ackley. Second term, Mr. Leggett.

S 115. ADMINISTRATION AND SUPERVISION. A general course in school administration in smaller cities. Principles of constructive supervision will be developed. Both terms. Two credits. First term, Mr. Bradner. Second term, Mr. Leggett.

S 131. FINANCING PUBLIC EDUCATION. A critical study of the costs of education and of methods for providing funds to meet these costs. Second term. Two credits. Mr. Leggett.

S 143. COUNTY SCHOOL ADMINISTRATION. This course deals with the problems of the school administrator and is especially designed from the view point of the county superintendent. It has two aspects. (1) Principles of efficient county administration. (2) A discussion of the problems of the county superintendent's work. A partial list of the problems considered are: The most efficient local unit for administration, supervision, the school plant, public school finance, records and reports, attendance, publicity, office routine, etc. First term. Two credits. Professor Adams.

S 144. THE RURAL HIGH SCHOOL—ITS ORGANIZATION AND ADMINISTRATION. This course has a two-fold aspect: (1) What type of organization is most efficient for the rural high schools? The merits and defects of the 8-4, 6-3-3, 7-5, 6-6, and 6-2-4 types will be considered.

(2) Curriculum building in the rural high school. Here principles underlying sound curriculum construction will be stressed as well as the determinants of the curricula for the small high school. First term. Two credits. Professor Adams.

S 146. SCHOOL BUILDINGS AND EQUIPMENT. A study of modern standards for school buildings and their equipment; actual scoring of buildings will be done. First Term. Two credits. Professor Adams.

147. KENTUCKY SCHOOL LAW. First term. Two credits. Mr. Jones.

148. ADVISORS OF GIRLS AND DEANS OF WOMEN IN HIGH SCHOOLS AND NORMAL SCHOOLS. This course is designed to study the qualifications and training of the advisors of girls with particular reference to the development of that position in Kentucky high schools. Specific problems which confront teachers engaged in educational and personal



guidance of women and adolescent girls in health, religion, vocations, and social adjustments will be discussed. First term. Two credits. Mrs. McVey.

#### AGRICULTURAL EDUCATION

S 180. METHODS OF TEACHING VOCATIONAL AGRICULTURE. The purpose of this course is to acquaint the men with the job of the vocational agriculture teacher. First term. Two credits. Mr. Barnes.

S 187. ADVANCED PROBLEMS IN AGRICULTURAL EDUCATION. This course is designed for men who have had experience in teaching vocational agriculture in the high school. Part-time and short-course work, project planning, field trips, content of courses, and similar problems will be taken up as suits the needs of the group. First term. Two credits. Mr. Barnes.

#### EDUCATIONAL PSYCHOLOGY

S 116. EDUCATIONAL PSYCHOLOGY. A discussion of the learning process from the experimental and scientific points of view. Both terms. Two credits. Professor Ross.

S 122. EDUCATIONAL TESTS AND MEASUREMENTS. A course in the theory and practice of measuring educational products and processes. Both terms. Two credits. Professor Ross.

S 123. STATISTICAL METHODS IN EDUCATION. Both terms. Two credits. Professor Ross.

#### ELEMENTARY EDUCATION

36. READING IN THE PRIMARY GRADES. A practical course in methods of teaching oral and silent reading in the primary grades. Discussion of aims, type lessons, means of testing and appropriate reading material for each grade. Both terms. Two credits. Mrs. Duncan.

37. LANGUAGE, SPELLING AND WRITING IN THE PRIMARY GRADES. Discussion of principles and methods involved in teaching language, spelling and writing in the primary grades. Both terms. Two credits. Mrs. Duncan.

39. NUMBER WORK, HISTORY AND GEOGRAPHY IN THE PRIMARY GRADES. A course dealing with the fundamental principles and practices in teaching number work and hand work in the primary grades. Both terms. Two credits. Mrs. Duncan.

40. HISTORY AND GEOGRAPHY IN THE UPPER GRADES. This course has been planned primarily for rural and grade school teachers and will involve a critical study of methods and content in teaching history and geography in the University school. Both terms. Two credits. Miss Wheeler.



41. LANGUAGE AND LITERATURE IN THE UPPER GRADES. A critical study of the methods and content in language instruction and the study of literature in the elementary grades. Both terms. Two credits. Miss Wheeler.

42. ARITHMETIC IN THE ELEMENTARY SCHOOL. A course primarily for teachers who desire the training in methods in arithmetic for elementary school work. Both terms. Two credits. Miss Wheeler.

S 125. THE SUPERVISION OF ELEMENTARY EDUCATION. This course has been designed especially for teachers who are preparing for work in supervision or who desire a better understanding of the relationship between teacher and supervisor, and for supervisors and principals who are interested in a more thorough understanding of the fundamental principles that underlie the supervision of instruction in the elementary schools. First term. Two credits. Professor McMullen.

S 145. RURAL SCHOOL SUPERVISION. The work in this course is taken up from the view point of the supervisor in the rural field. Stress will be laid upon (1) the principles of organization for supervision in order to bring about greater economy of the supervisor's time, (2) an intensive discussion of the problems of the supervisor with suggestions on how to solve them, and (3) agencies through which the work of the supervisor may best function. First term. Two credits. Professor Adams.

#### HISTORY OF EDUCATION

S 117a. HISTORY OF EDUCATION. This course is a survey of the history of education from Greece to the beginning of education in America. First term. Two credits. Professor Noe.

S 110. MORAL AND ESTHETIC EDUCATION. An attempt is made in this course to familiarize the teachers through lectures and stereopticon slides, with the various types of architecture and schools of sculpture and painting. It is a course in appreciation of art for teachers. First term. Two credits. Professor Noe.

S 220. COMPARATIVE EDUCATION. A course giving comparisons of systems of education. First term. Two credits. Professor Noe.

#### HOME ECONOMICS EDUCATION

166. SEMINAR IN HOME ECONOMICS EDUCATION. Work on special problems in home economics education. Three discussion periods per week. First term. Two credits. Miss Hurd.

S 163. CURRENT PROBLEMS IN HOME-MAKING EDUCATION. A study of aims based on the needs and interests of girls in different types of schools; recent developments in home economics education; the rela-



tion of the home economics teacher and department to the rest of the school; co-ordination with the home; community activities contributing to home-making instruction; publicity and promotional work. First term. Two credits. Miss Hurd.

S 165. PROBLEMS IN VOCATIONAL HOME ECONOMICS EDUCATION. A professional course dealing with aims, methods and contemporary secondary educational theories and practices. Designed for those already engaged in teaching home economics. Lectures, class discussions, individual assignments and reports. First term. Two credits. Miss Hurd.

#### INDUSTRIAL EDUCATION

S 74. VOCATIONAL GUIDANCE. A course designed to give teachers, principals, superintendents and welfare workers a comprehensive view of the factors in vocational guidance, the agencies contributing to or influencing life choices and an analysis of the human and economic resources of a given civic unit. First term. Two credits. Professor May.

S 170. PART-TIME AND CONTINUATION EDUCATION. This is a course designed to meet the needs of teachers and administrators of part-time legislation. It includes the supplying of proper content, a discussion of methods and instructional management, and the finding of the auxiliary agencies essential to the teaching of part-time classes in urban school systems. First term. Two credits. Professor May.

S 171. VOCATIONAL EDUCATION. (Information Course.) Designed to inform students, teachers, administrators, welfare workers and laymen in general of the vocational educational movement in our country and abroad. First term. Two credits. Professor May.

#### PHILOSOPHY OF EDUCATION AND EDUCATIONAL SOCIOLOGY.

S 4. PRINCIPLES OF EDUCATION. A study of the principles of educational theory and practice. Required of students majoring in education. Both terms. Two credits. First term, Mr. Bradner. Second term, Professor Adams.

19a. MODERN EDUCATIONAL PROBLEMS. A lecture course dealing with new problems in education. No text is required. First term. One credit. Dean Taylor.

S 35. SURVEY OF EDUCATION. An orientation course introducing prospective teachers to the general field of education. First term. Two credits. Mr. Bradner.

114a. EDUCATIONAL SOCIOLOGY. A study of the development of the social mind with special reference to education. First term. Two credits. Dean Taylor.



114b. EDUCATIONAL SOCIOLOGY. A continuation of Education 114a. Second term. Two credits. Dean Taylor.

140a. PHILOSOPHY OF EDUCATION. An integrating course in modern educational philosophy conducted on the discussion plan. Particularly valuable for principals and superintendents. First term. Two credits. Professor McMullen.

140b. PHILOSOPHY OF EDUCATION. A continuation of 140a. Second term. Two credits. Professor Adams.

S 151. NORMAL SCHOOL PROBLEMS. A discussion of the modern development of the normal school; a comparison of the methods of different states; the relation of the training school to the academic department with special emphasis upon the problems of the critic teacher. First term. Two credits. Professor McMullen.

S 127a. PROBLEMS IN CURRICULUM BUILDING. A critical study of the content of the curriculum and of the principles which should guide us in curriculum building. First term. Two credits. Mr. Barnes.

S 127b. PROBLEMS IN CURRICULUM BUILDING. A critical study of the content of the curriculum and of the principles which should guide us in curriculum building. Two credits. Second term. Professor Adams.

130. THE TEACHING OF HEALTH IN PUBLIC SCHOOLS. A course dealing with the objectives of health education and methods of reaching these objectives through instruction. This course is intended primarily for teachers in the grades and high schools who are teaching this subject. Both terms. Two credits. Dr. Rush.

#### SECONDARY EDUCATION

38. SCOUTING AND SCOUTCRAFT. A course dealing with the aims and objectives of the boy scout and camp fire girl movements; the influence of these organizations on boys and girls; their value to the public school program; methods of achieving the desired goals through the scout movement. Both terms. Two credits. Mr. Gresham.

S 105. THE TECHNIQUE OF TEACHING. This course deals with methods of teaching in the high school. Motivation and the project method will be given special attention. Both terms. Two credits. First term, Mr. Ackley. Second term.

135. THE SOCIAL SCIENCES IN THE HIGH SCHOOL. A course dealing with the organization of the materials in history, elementary sociology and government to be offered on the secondary level. Special attention will be given to the objectives of each subject and methods of realizing desired ends. First term. Two credits. Mr. Holloway.

S 126. THE JUNIOR HIGH SCHOOL. This is a course designed to give to school administrators in general the plans underlying junior



high school organization, the development of junior high schools in the United States and their place in the public school program of the state. Both terms. Two credits. First term, Mr. Holloway. Second term.

S 150. THE SENIOR HIGH SCHOOL. This course is designed to give to school administrators and to instructors who plan to be high school principals a knowledge of the organization of the senior high school, the problems that arise in its administration, with particular emphasis upon such problems as the purpose of the home room, extra curricular activities in the senior high school, records and reports to be kept, and objectives of high school instruction. Both terms. Two credits. First term, Mr. Holloway. Second term.



## COLLEGE OF COMMERCE

EDWARD WIEST, A. M., PH. D., DEAN

S 1a. PRINCIPLES OF ECONOMICS. An examination of the fundamental principles of economics and the application of these principles to practical problems. Not open to freshmen. First term. Two credits. Professor Wiest.

S 1b. PRINCIPLES OF ECONOMICS. Continuation of 1a. Second term. Two credits. Professor Eberling.

S 2. ECONOMIC HISTORY OF EUROPE. A survey of conditions preceding the modern period with a more intensive study of the subsequent development of agriculture, industry, and finance; the effects of these several lines of development upon the national life. Open only to freshmen and sophomores. First term. Two credits. Professor Jennings.

S 8. ECONOMIC GEOGRAPHY. A brief study of the earth's physical characteristics and their relation to man's activities, including the effects of climate, natural resources, and means of transportation upon the development of social, political and economic phases of life. Second term. Two credits. Professor Jennings.

S 102. LABOR PROBLEMS. A study of the labor market in its industrial phases, including such directly related topics as immigration, unemployment and labor organizations. Prerequisite or concurrent course, Commerce 1. First term. Two credits. Professor Leland.

S 103. TRANSPORTATION. Growth of the railway net; pools and traffic associations; principles and practice of rate-making as exemplified by the decisions of the Interstate Commerce Commission and the courts; state and federal regulations, with comparison of policies in foreign countries. Prerequisite or concurrent course, Commerce 1. First term. Two credits. Professor Wiest.

S 104. PUBLIC FINANCE. A study of public receipts; public expenditures; the principles of taxation with special reference to their application to the tax systems, federal and state. Attention will be given to the current problems in taxation. Prerequisite, course 1. First term. Two credits. Professor Leland.

S 107. STATISTICAL METHOD. Training in the process of treating multiple phenomena with mathematical exactitude. The methods are illustrated with material from the fields of psychology, education, economics and sociology. An essential course for specialists in those fields. Not open to freshmen. First term. Two credits. Professor Leland.

S 110. BUSINESS CYCLES. In this course a study is made of the nature and characteristics of the economic factors which underlie the cyclical fluctuations in business conditions. Attention is also directed



toward the methods of business and investment forecasting and their practical application. Prerequisites, courses 1 and 107. Second term. Two credits. Professor Eberling.

S 116. BUSINESS ORGANIZATION. A study of business organization primarily from a social point of view. The course traces the origin and development of forms of business organization; treats the advantages and disadvantages of the various forms; includes a study of the trust or combination movement and its effects upon society. Prerequisite or concurrent, course 1. Second term. Two credits. Professor Eberling.

S 117. CORPORATION FINANCE. A study of the corporation primarily from the internal point of view. The course treats stocks and bonds; develops sound fiscal principles concerning the issues of securities, the management of the corporate income, the disbursement of dividends, the creation of sinking funds; and discusses reorganization procedure. Prerequisite or concurrent, course 1. First term. Two credits. Professor Wiest.

121. ECONOMIC HISTORY OF THE UNITED STATES PRIOR TO 1860. This course is intended primarily as an economic background for social science students. It studies in detail colonial industry and English commercial policy and traces the development of population, immigration, territorial acquisitions, agriculture, manufactures, tariff, labor, internal improvements, commerce, and money and banking. Open to upper classmen and graduates. First term. Two credits. Professor Jennings.

122. ECONOMIC HISTORY OF THE UNITED STATES SINCE 1860. This course is intended to supply an economic background for students of modern conditions. It studies in detail population growth, immigration, territorial acquisitions, agriculture, manufacture, industrial combinations, tariff, labor, commerce, transportation facilities, money and banking and conservation. Second term. Two credits. Professor Jennings.

S 123. ADVANCED ECONOMIC HISTORY OF EUROPE. This course is intended to serve as an economic background for students interested in European affairs. It discusses population, immigration, labor, agriculture, industry, and finance and the effects of the various lines of development upon national life. Open to Juniors, Seniors and Graduates. Second term. Two credits. Professor Jennings.



## SCHEDULE OF LECTURES AND RECITATIONS

### EXPLANATIONS AND ABBREVIATIONS

Colleges are arranged according to order in the catalog and the departments of each College are arranged alphabetically.

Days of recitations are indicated by the initial letters of the days, D, standing for daily. The buildings are indicated as follows: A, Administration; Arm, Armory; AC, Art Center; Agr., Agriculture; BH, Boyd Hall; CP, Campus Playhouse; C & P, Civil and Physics; E, Education; ES, Experiment Station; FEL, Farm Engineering Laboratory; KH, Kastle Hall; LB, Law Building; NG, New Gymnasium; WG, Women's Gymnasium; M, Mining; ML, Mining Laboratory; MH, Mechanical Hall; NH, Neville Hall; NS, New Shop; OC, Old Chemistry; PH, Patterson Hall; S, Science; SF, Stoll Field; SP, Stock Judging Pavilion; SL, Serum Laboratory; WH, White Hall.

### RECITATION HOURS

|              |             |
|--------------|-------------|
| First Hour:  | 7:30— 8:20  |
| Second Hour: | 8:30— 9:20  |
| Third Hour:  | 9:30—10:20  |
| Fourth Hour: | 10:30—11:20 |
| Fifth Hour:  | 11:30—12:20 |

### NOON HOUR

|               |            |
|---------------|------------|
| Sixth Hour:   | 1:30— 2:20 |
| Seventh Hour: | 2:30— 3:20 |
| Eighth Hour:  | 3:30— 4:20 |



**FIRST TERM**  
**COLLEGE OF ARTS AND SCIENCES**

| Course No.                             | SUBJECT  | Credit | Hour          | Days     | Bldg. | Room No. | Instructor             |
|--|--|--------|---------------|----------|-------|----------|------------------------|
| <b>ANATOMY AND PHYSIOLOGY</b>          |  |        |               |          |       |          |                        |
| S1a                                    | General Physiology .....                       | 2      | 5             | D        | S     | 207      | Scherago               |
| <b>ANCIENT LANGUAGES</b>               |  |        |               |          |       |          |                        |
| S150a                                  | Teachers' Course in Latin.....                 | 2      | 1             | D        | A     | 303      | Jones                  |
| S3                                     | Cicero and Sallust .....                       | 2      | 2             | D        | A     | 303      | Jones                  |
| S4a                                    | Ovid and Vergil .....                          | 2      | 4             | D        | A     | 303      | Jones                  |
| S5                                     | Livy .....                                     | 2      | 3             | D        | A     | 303      | Jones                  |
| S51                                    | Elementary Greek .....                         | 2      | Appt.         | D        | A     | 303      | Jones                  |
| S109                                   | Latin Literature .....                         | 2      | 5             | D        | A     | 303      | Jones                  |
| <b>ART</b>                             |  |        |               |          |       |          |                        |
| 13a                                    | Drawing and Painting.....                      | 2      | 1, 2          | D        | AC    |          | Meyer                  |
| 23a                                    | { Problems in Art Structure.....               | 2      | 4             | D        | AC    |          | Meyer                  |
|  | { Art Structure, Lab. ....                     |        |               | By Appt. | AC    |          | Meyer                  |
| S10                                    | The Teaching of Art in Public<br>Schools ..... | 2      | 3             | D        | AC    |          | Meyer                  |
| <b>BACTERIOLOGY</b>                    |  |        |               |          |       |          |                        |
| 102 <sub>1</sub>                       | General Bacteriology, Lec.....                 | 4      | 2             | D        | KH    | 111      | Scherago               |
| 102 <sub>2</sub>                       | General Bacteriology, Lab.....                 |        | 3, 4          | D        | KH    | Sb12     | Scherago               |
| 107 <sub>1</sub>                       | Bacteriology of Water and<br>Sewage, Lec. .... | 4      | 1             | D        | KH    | Sb11     | Scherago               |
| 107 <sub>2</sub>                       | Bacteriology of Water and<br>Sewage, Lab. .... |        | 4, 5          | D        | KH    | Sb111    | Scherago               |
| <b>BOTANY</b>                          |  |        |               |          |       |          |                        |
| 20 <sub>1</sub>                        | Dendrology, Sec. I.....                        | 2      | 1             | D        | WH    | 101      | McFarland              |
| 1a <sub>1</sub>                        | General Botany, Lec.-Rec. ....                 | 4      | 4             | D        | WH    | 101      | McFarland              |
| 1a <sub>2</sub>                        | General Botany, Lab. ....                      |        | 2, 3          | D        | WH    | 102      | McFarland              |
| 20a                                    | Dendrology, Sec. II.....                       | 2      | 5             | D        | WH    | 101      | McFarland              |
| <b>CHEMISTRY</b>                       |  |        |               |          |       |          |                        |
| 1a                                     | General Inorganic Chemistry.....               | 5      | 1, 2, 3, 4    | D        | KH    |          | Mitchell and<br>others |
| 4                                      | Qualitative Analysis .....                     | 4      | 1, 2, 3, 4    | D        | KH    |          | Zimmerman              |
| 7                                      | Organic Chemistry .....                        | 5      | 1, 2, 3, 4    | D        | KH    |          | Barkenbus              |
| 8                                      | Quantitative Analysis .....                    | 5      | 1, 2, 3, 4, 5 | D        | KH    |          | Bedford                |
| 109                                    | Quantitative Analysis .....                    | 5      | 1, 2, 3, 4, 5 | D        | KH    |          | Bedford                |
| <b>ENGLISH LANGUAGE AND LITERATURE</b> |  |        |               |          |       |          |                        |
| S1a <sub>1</sub>                       | English Composition .....                      | 2      | 1             | D        | A     | 6        | Ramsay                 |
| S1a <sub>2</sub>                       | English Composition .....                      | 2      | 2             | D        | A     | 6        | Ramsay                 |
| S1b                                    | English Composition .....                      | 2      | 3             | D        | A     | 6        | Ramsay                 |
| S3a <sub>1</sub>                       | History of English Literature....              | 2      | 1             | D        | A     | 4        | Yates                  |
| S3a <sub>2</sub>                       | History of English Literature....              | 2      | 3             | D        | A     | 4        | Yates                  |
| S3b                                    | History of English Literature....              | 2      | 2             | D        | A     | 4        | Yates                  |
| 26                                     | Library Methods for Teachers..                 | 2      | 1             | D        | NH    | 205      | King                   |



COLLEGE OF ARTS AND SCIENCES—Continued

| Course No. | SUBJECT  | Credit | Hour            | Days     | Bldg. | Room No. | Instructor |
|------------|--|--------|-----------------|----------|-------|----------|------------|
|            | ENG. LANG. & LITER.—Cont.  |        |                 |          |       |          |            |
| 105        | Browning .....   | 2      | 2               | D        | A     | 205      | Dantzler   |
| S106       | Romanticism .....  | 2      | 2               | D        | A     | 301      | Brady      |
| S116       | Contemporary Drama .....   | 2      | 2               | D        | A     | 302      | Farquhar   |
| S120       | Pronunciation of Modern English .....  | 2      | 1               | D        | A     | 205      | Dantzler   |
| S130a      | Comparative Literature.....  | 2      | 3               | D        | A     | 301      | Brady      |
| S134       | Development of the Essay.....  | 2      | 4               | D        | A     | 301      | Brady      |
| 137        | Edgar Allan Poe.....   | 2      | 1               | D        | A     | 302      | Farquhar   |
| S201a      | Literary Criticism .....   | 2      | 4               | D        | A     | 302      | Farquhar   |
| S207       | Spenser .....  | 2      | 3               | D        | A     | 205      | Dantzler   |
|            | GEOLOGY  |        |                 |          |       |          |            |
| S2a        | Elementary Geology .....   | 2      | 2               | D        | S     | 203      | Murphy     |
| S18        | Elements of Géography .....  | 2      | 3               | D        | S     | 203      | Murphy     |
| 16a        | Mineral Resources .....  | 2      | 5               | D        | S     | 203      | Murphy     |
|            | GERMAN LANGUAGE AND LITERATURE   |        |                 |          |       |          |            |
| S1a        | Elementary German .....  | 2      | 1               | D        | A     | 304      | Melcher    |
| S1b        | Elementary German .....  | 2      | 2               | D        | A     | 304      | Melcher    |
| S2a        | Intermediate German .....  | 2      | 3               | D        | A     | 304      | Melcher    |
| S2b        | Intermediate German .....  | 2      | 3               | D        | A     | 304      | Melcher    |
| S3a        | Composition and Reading.....   | 2      | 4               | D        | A     | 304      | Melcher    |
| S3b        | Composition and Reading.....   | 2      | 4               | D        | A     | 304      | Melcher    |
| S4a        | Adv. Reading and Composition..   | 2      |                 | By Appt. | A     | 304      | Melcher    |
| S6         | Scientific German .....  | 2      |                 | By Appt. | A     | 304      | Melcher    |
|            | Special arrangements will be made for students who cannot accommodate themselves to this schedule. |        |                 |          |       |          |            |
|            | HISTORY  |        |                 |          |       |          |            |
| 40         | History of Kentucky.....   | 2      | 1               | D        | A     | 203      | Coulter    |
| S160       | Civil War Period (Ky.) .....   | 2      | 3               | D        | A     | 203      | Coulter    |
| S165       | American Civil War .....   | 2      | 4               | D        | A     | 203      | Coulter    |
| S4b        | Modern Europe .....  | 2      | 2               | D        | A     | 203      | Clyde      |
| S119b      | Nineteenth Century .....   | 2      | 4               | D        | A     | 4        | Clyde      |
| 205        | Far East .....   | 2      | 3:30 to 5 p. m. | D        | Lib.  |          | Clyde      |
|            | HYGIENE  |        |                 |          |       |          |            |
| 1a         | Hygiene .....  | 1.3    | 1               | D        | NH    | 302      | Zwick      |
| 105a       | Advanced Hygiene .....   | 2      | 2               | D        | NH    | 302      | Zwick      |
|            | JOURNALISM   |        |                 |          |       |          |            |
| S1a        | First Year Journalism .....  | 2      | 2               | D        | S     | 1        | Grehan     |
| S2a        | Second Year Journalism .....   | 2      | 3               | D        | S     | 1        | Grehan     |
| S3a        | Third Year Journalism .....  | 2      | 4               | D        | S     | 1        | Grehan     |



COLLEGE OF ARTS AND SCIENCES—Continued

| Course No.                              | SUBJECT  | Credit | Hour | Days | Bldg.     | Room No. | Instructor       |
|---|--|--------|------|------|-----------|----------|------------------|
| <b>MATHEMATICS</b>                      |  |        |      |      |           |          |                  |
| S6                                      | Analytic Geometry .....  | 4      | 1, 2 | D    | C&P       | 308      | Cooper           |
| S5                                      | College Algebra .....  | 4      | 4, 5 | D    | C&P       | 310      | Canaday          |
| S7a                                     | Differential Calculus .....  | 4      | 3, 4 | D    | C&P       | 308      | LeStourgeon      |
| S7b                                     | Integral Calculus .....  | 2      | 1    | D    | C&P       | 310      | Brown            |
| S4                                      | Plane Trigonometry .....   | 4      | 2, 3 | D    | C&P       | 305      | Canaday          |
| S14                                     | Math. of Finance .....   | 4      | 2, 3 | D    | C&P       | 310      | Brown            |
| *S106a                                  | Advanced Calculus .....  | 2      | 5    | D    | C&P       | 308      | LeStourgeon      |
| *S107a                                  | Projective Geometry .....  | 2      | 5    | D    | C&P       | 308      | LeStourgeon      |
| *S111                                   | Higher Algebra .....   | 2      | 5    | D    | C&P       | 308      | LeStourgeon      |
|   | Note:—Only one of the courses marked with * will be given. Choice will be left to class. |        |      |      |           |          |                  |
| <b>MUSIC</b>                            |  |        |      |      |           |          |                  |
| 13a                                     | Sight Reading .....  | 2      | 1    | D    | Mus. Bld. |          | Lampert          |
| 2a                                      | Music Appreciation .....   | 1      | 2    | MWF  | Mus. Bld. |          | Lampert          |
| 3a                                      | Harmony .....  | 2      | 3    | D    | Mus. Bld. |          | Lampert          |
| 4a                                      | Public School Music .....  | 2      | 4    | D    | Mus. Bld. |          | Lampert          |
| 8a                                      | Chorus .....   | .5     | 6    | MWF  | Mus. Bld. |          | Lampert          |
| <b>PHILOSOPHY</b>                       |  |        |      |      |           |          |                  |
| S102                                    | Logic .....  | 2      | 3    | D    | A         | 204      | Wild             |
| S103                                    | Ethics .....   | 2      | 4    | D    | A         | 205      | Wild             |
| S101                                    | History of Philosophy .....  | 2      | 5    | D    | A         | 205      | Wild             |
| <b>PHYSICAL EDUCATION AND ATHLETICS</b> |  |        |      |      |           |          |                  |
| S8                                      | Prin. of Coaching Basketball (Men and Women) .....                                       | 1.5    | 3    | D    | BB        |          | Boles            |
| S9                                      | Prin. of Coaching Football.....  | 1.5    | 4    | D    | BB        |          | Boles            |
| 10                                      | Plays and Games for Graded and Rural Schools .....                                       | 2      | 5    | D    | BB        |          | Boles            |
| <b>PHYSICS</b>                          |  |        |      |      |           |          |                  |
| 1a                                      | Gen. Elem. Phy., Lec.....  | 5      | 1    | D    | C&P       | 200      | Webb             |
| 1a                                      | Gen. Elem. Phy., Rec.....  |        | 2    | D    | C&P       | 200      | Webb             |
| 1a                                      | Gen. Elem. Phy., Lab.....  |        | 3, 4 | MWF  | C&P       | 203      | Webb and Asst.   |
| 3a                                      | Gen. Col. Phy., Lec. & Rec.....  | 4      | 3, 4 | D    | C&P       | 200      | States           |
| S5                                      | Meas. in Mech. & Heat., Lec.....   | 2      | 1    | TTh  | C&P       | 103      | States           |
| S5                                      | Meas. in Mech. & Heat., Lab.....   |        | 1, 2 | MWF  | C&P       | 105      | States and Asst. |
|   |  |        | 2    | TTh  |           |          |                  |
| S51a                                    | Introduction to Physics, Lec.....  | 2      | 1    | D    | C&P       | 200      | Webb             |
| 114a                                    | Radio Communication, Lec.....  | 2      | 5    | MWF  | C&P       | 200      | States           |
| 114a                                    | Radio Communication, Lab.....  |        | 1, 2 | MW   | C&P       | 3        | States           |
| <b>POLITICAL SCIENCE</b>                |  |        |      |      |           |          |                  |
| S15a                                    | Problems of Citizenship.....   | 2      | 4    | D    | A         | 204      | Vandenbosch      |
| S173                                    | Public Opinion .....   | 2      | 1    | D    | A         | 202      | Vandenbosch      |
| S51a                                    | American Government .....  | 2      | 2    | D    | A         | 202      | Lewis            |
| S150                                    | International Law .....  | 2      | 2    | D    | A         | 204      | Vandenbosch      |
| S155a                                   | Comparative Government .....   | 2      | 4    | D    | A         | 202      | Lewis            |
| S170                                    | Political Parties .....  | 2      | 3    | D    | A         | 202      | Lewis            |



COLLEGE OF ARTS AND SCIENCES—Continued

| Course No.                       | SUBJECT   | Credit | Hour      | Days | Bldg. | Room No. | Instructor           |
|----------------------------------|---|--------|-----------|------|-------|----------|----------------------|
| PSYCHOLOGY                       |   |        |           |      |       |          |                      |
| S1                               | Introductory Psychology .....                       | 4      | 1, 2      | D    | NH    | 306      | Charles              |
| S7                               | Psychology of the Child.....                        | 2      | 2         | D    | NH    | 304      | Dockeray             |
| S107                             | Psychological Interpretation<br>(Personality) ..... | 2      | 1         | D    | NH    | 304      | Dockeray             |
| 113                              | Psychology of Learning { Rec...<br>{ Lab...         | 3      | 4         | D    | NH    | 304      | Dockeray             |
|                                  |   |        | By Appt.  | D    | NH    | 206      | Charles              |
| ROMANCE LANGUAGES AND LITERATURE |   |        |           |      |       |          |                      |
| S1a                              | Elementary French .....                             | 2      | 1         | D    | S     | 307      | Server               |
| S1b                              | Elementary French (Con.) .....                      | 2      | 5         | D    | S     | 308      | Horsfield            |
| S2a                              | Intermediate French .....                           | 2      | 2         | D    | S     | 308      | Horsfield            |
| S6a                              | French Novel and Drama.....                         | 2      | 1         | D    | S     | 310      | Zembrod              |
| S110a                            | French Literature of 17th Cent. ....                | 2      | 2         | D    | S     | 310      | Zembrod              |
| S5a                              | Elementary Spanish .....                            | 2      | 3         | D    | S     | 307      | Server               |
| S5b                              | Elementary Spanish (Con.).....                      | 2      | 4         | D    | S     | 308      | Horsfield            |
| S7a                              | Intermediate Spanish .....                          | 2      | 2         | D    | S     | 307      | Server               |
| S104a                            | Spanish Literature .....                            | 2      | 3         | D    | S     | 310      | Zembrod              |
| SOCIOLOGY                        |   |        |           |      |       |          |                      |
| S1a                              | Principles of Sociology .....                       | 2      | 3         | D    | WH    | LT       | Best                 |
| S103                             | Criminology .....                                   | 2      | 2         | D    | WH    | LT       | Best                 |
| S102                             | Social Pathology .....                              | 2      | 1         | D    | WH    | 301      | Best                 |
| ZOOLOGY                          |   |        |           |      |       |          |                      |
| { 1a <sub>1</sub>                | General Zoology, Rec. ....                          | 4      | 2         | D    | S     | 108      | Brauer               |
|                                  |   |        | 7:00-8:20 | D    |       |          |                      |
| { 1a <sub>2</sub>                | General Zoology, Lab. ....                          |        | 3         | D    | S     | 108      | Allen                |
| { 11 <sub>1</sub>                | Nature Study, Rec. ....                             | 3      | 4         | D    | S     | 105      | Allen                |
| { 11 <sub>2</sub>                | Nature Study, Lab. ....                             |        | 4         | D    | S     | 105      | Allen                |
| 102                              | Ornithology .....                                   | 3      | 3         | D    | KH    | 201      | Funkhouser           |
| 104                              | Embryology .....                                    | 3      | 3, 4      | D    | S     | 101      | Brauer               |
| 106                              | Embryology .....                                    | 4      | 3, 4, 5   | D    | S     | 103      | Brauer               |
| { 107a <sub>1</sub>              | Comparative Anatomy, Lab.....                       | 4      | 7:00-8:20 | D    | S     | 105      | Allen                |
| { 107a <sub>2</sub>              |   |        | 2         | D    |       |          |                      |
| 108a                             | Prin. of Zoology (Evolution).....                   | 2      | 4         | D    | C&P   | 200      | Funkhouser           |
| 110a                             | Independent Work .....                              | 3      | By Appt.  |      |       |          | Funkhouser,<br>Allen |

COLLEGE OF AGRICULTURE

|                  |  |   |         |     |      |     |          |
|------------------|--|---|---------|-----|------|-----|----------|
| AGRONOMY         |  |   |         |     |      |     |          |
| S102             | Soil Management .....                          | 2 | 5       | D   | Agr. | 303 | Karraker |
| 106              | Field Crop Improvement.....                    | 2 | 1       | D   | Agr. | 304 | Fergus   |
| ANIMAL INDUSTRY  |  |   |         |     |      |     |          |
| 17 <sub>1</sub>  | Breeds of Livestock .....                      | 3 | 2       | D   | JP   |     | Harris   |
| 17 <sub>2</sub>  | Breeds of Livestock, Lab. ....                 |   | 6, 7    | MWF | JF   |     | Harris   |
| 104              | Animal Breeding and Advanced<br>Genetics ..... | 4 | 2, 3    | D   | Agr. | 301 | Anderson |
| 107 <sub>1</sub> | Sheep Production .....                         | 3 | 1       | D   | JP   |     | Harris   |
| 107 <sub>2</sub> | Sheep Production, Lab. ....                    |   | 6, 7, 8 | TTh | JP   |     | Harris   |
| 109*             | Poultry Judging and Breeding....               | 4 | 4, 5    | D   | JP   |     | Martin   |

\*Animal Industry 109 is offered alternately with 112. The one will be given for which there is greatest demand.



COLLEGE OF AGRICULTURE—Continued

| Course No.                  | SUBJECT                         | Credit | Hour     | Days | Bldg. | Room No. | Instructor         |
|-----------------------------|---------------------------------|--------|----------|------|-------|----------|--------------------|
| ANIMAL INDUSTRY—Cont.       |                                 |        |          |      |       |          |                    |
| 112*                        | Advanced Poultry Production.... | 4      | 4, 5     | D    | JP    |          | Martin             |
| 20                          | Principles of Animal Nutrition  | 3      | 1        | D    | Agr.  | 303      | Martin             |
| 119                         | Genetics .....                  | 3      | 2        | MWF  | Agr.  | 303      | Wilford            |
|                             |                                 |        | 4        | D    | Agr.  | 301      |                    |
|                             |                                 |        | 5        | TThS | Agr.  | 301      | Anderson           |
| FARM ECONOMICS              |                                 |        |          |      |       |          |                    |
| S107a                       | Special Problems in Farm Mgnt.  | 2      | 1        | D    | Agr.  | 301      | Finn               |
| HORTICULTURE                |                                 |        |          |      |       |          |                    |
| 102b                        | Pomology .....                  | 4      | 3, 4     | D    | Agr.  | 303      | Waltman            |
| MARKETING AND RURAL FINANCE |                                 |        |          |      |       |          |                    |
| S109                        | Cooperative Marketing .....     | 2      | 2        | D    | Agr.  | 304      | Jesness            |
| S111                        | Agricultural Prices .....       | 2      | 3        | D    | Agr.  | 304      | Jesness            |
| HOME ECONOMICS              |                                 |        |          |      |       |          |                    |
| 3 <sub>1</sub>              | Food and Nutrition .....        | 4      | 1        | D    | Agr.  | 205      | Hopkins            |
| 3 <sub>2</sub>              | Food and Nutrition, Lab. ....   |        | 6, 7     | D    | Agr.  | 1        | Hopkins            |
| S9 <sub>1</sub>             | Foods .....                     | 3      | 2        | MWF  | Agr.  | 205      | Dey                |
| S9 <sub>2</sub>             | Foods, Lab. ....                |        | 6, 7     | D    |       | 103      | Dey                |
| S10 <sub>1</sub>            | Clothing .....                  | 3      | 2        | TThS | Agr.  | 205      | Wade               |
| S10 <sub>2</sub>            | Clothing .....                  |        | 4, 5     | D    | Agr.  | 202      | Wade               |
| 4 <sub>2</sub>              | Home Management .....           | 5      |          |      |       |          | Dey                |
| 105                         | Seminar in Nutrition.....       | 1      | By Appt. |      |       |          | Hopkins            |
| 106                         | Seminar in Textiles & Clothing  | 1      | By Appt. |      |       |          | Wade               |
| 121a                        | Special Problems in Home Econ.  | 2      | By Appt. |      |       |          | Hopkins and others |

COLLEGE OF ENGINEERING

|                        |                                 |   |          |         |     |     |                     |
|------------------------|---------------------------------|---|----------|---------|-----|-----|---------------------|
| CIVIL ENGINEERING      |                                 |   |          |         |     |     |                     |
| 21                     | Hydraulics .....                | 2 | 5        | D       | MH  | 201 | Johnson             |
| DRAWING                |                                 |   |          |         |     |     |                     |
| 1a                     | Mechanical Drawing .....        | 2 | 18 hrs.  | By Apt. | C&P | 207 | Horine              |
| 1b                     | Mechanical Drawing .....        | 2 | 18 hrs.  | By Apt. | C&P | 207 | Horine              |
| 4a                     | Advanced Drawing .....          | 2 | 18 hrs.  | By Apt. | C&P | 207 | Horine              |
| 4b                     | Advanced Drawing .....          | 2 | 18 hrs.  | By Apt. | C&P | 207 | Horine              |
| S3                     | Descriptive Geometry .....      | 4 | 3 & 4    | D       | C&P | 107 | Horine              |
| ELECTRICAL ENGINEERING |                                 |   |          |         |     |     |                     |
| S1                     | Elements of Electrical Eng..... | 2 | 3        | D       | MH  | 202 | Freeman             |
| 2                      | D. C. Dynamos .....             | 2 | By Appt. |         | MH  | 202 | Freeman             |
| S3                     | Alternating Currents .....      | 2 | 2        | D       | MH  | 202 | Freeman             |
| S7                     | Dynamo Design .....             | 2 | By Appt. |         | MH  | 104 | Freeman             |
| 9a                     | Electrical Lab. ....            | 1 | 6, 7     | MWF     | MH  | 108 | Freeman and Watkins |
| 9b                     | Electrical Lab. ....            | 1 | 6 & 7    | MWF     | MH  | 108 | Freeman and Watkins |



COLLEGE OF ENGINEERING—Continued

| Course No.             | SUBJECT                       | Credit | Hour     | Days    | Bldg. | Room No. | Instructor             |
|------------------------|-------------------------------|--------|----------|---------|-------|----------|------------------------|
| ENGINEERING MECHANICS  |                               |        |          |         |       |          |                        |
| S6                     | Analytical Mechanics .....    | 4      | 3 & 4    | D       | MH    | 201      | Johnson                |
| S1                     | Mechanics of Materials .....  | 4      | 3 & 4    | D       | MH    | 201      | Johnson                |
| S4                     | Kinematic Design .....        | 3      | By Appt. | D       | MH    |          | Horine                 |
| S7                     | Machine Design .....          | 2      | By Appt. | D       | MH    |          | Horine                 |
| MECHANICAL ENGINEERING |                               |        |          |         |       |          |                        |
| S8                     | Steam Laboratory .....        | 1      | 6, 7, 8  | TTh     | MH    | 112      | Freeman and<br>Watkins |
| PRACTICAL MECHANICS    |                               |        |          |         |       |          |                        |
| S7a                    | Wood Shop and Foundry.....    | 2      | 24 hrs.  | By Apt. | NS    |          | Dicker                 |
| S7b                    | Wood Shop and Foundry.....    | 2      | 24 hrs.  | By Apt. | NS    |          | Dicker                 |
| 8a                     | Forge, Machine & Auto Shops.. | 2      | 18 hrs.  | By Apt. | NS    |          | Thurman                |
| 8b                     | Forge, Machine & Auto Shops.. | 2      | 18 hrs.  | By Apt. | NS    |          | Thurman                |

COLLEGE OF LAW

(All law courses run through both terms of the summer session.)

|                        |                              |   |   |      |     |     |             |
|------------------------|------------------------------|---|---|------|-----|-----|-------------|
| First Year             |                              |   |   |      |     |     |             |
|                        | Contracts 1 .....            | 2 | 1 | TThS | Law | 102 | Roberts     |
|                        | Pleading .....               | 2 | 3 | MWF  | Law | 102 | Chalkley    |
|                        | Torts 1 .....                | 4 | 2 | D    | Law | 102 | Scarborough |
| Second and Third Years |                              |   |   |      |     |     |             |
|                        | Constitutional Law .....     | 4 | 2 | D    | Law | 103 | Chalkley    |
|                        | Equity 1 .....               | 2 | 1 | MWF  | Law | 103 | Roberts     |
|                        | Municipal Corporations ..... | 4 | 4 | D    | Law | 103 | Scarborough |
|                        | Trusts .....                 | 4 | 3 | D    | Law | 103 | Roberts     |

COLLEGE OF EDUCATION

|                        |  |   |   |   |     |     |         |
|------------------------|--|---|---|---|-----|-----|---------|
| ADMINISTRATION         |  |   |   |   |     |     |         |
| S108                   | Public Education in the U. S.....                          | 2 | 1 | D | Ed. | 205 | Ackley  |
| S115                   | Administration and Supervision                             | 2 | 3 | D | Ed. | 202 | Bradner |
| S143                   | County School Administration....                           | 2 | 5 | D | Ed. | 204 | Adams   |
| S144                   | The Rural High School—Its<br>Organization and Adminis..... | 2 | 4 | D | Ed. | 202 | Adams   |
| S146                   | School Buildings and Equipment                             | 2 | 2 | D | Ed. | 205 | Ackley  |
| 147                    | Kentucky School Law.....                                   | 2 | 1 | D | Ed. | 201 | Jones   |
| 148                    | Advisors of Girls and Deans of<br>Women .....              | 2 | 4 | D | Ed. | 106 | McVey   |
| AGRICULTURAL EDUCATION |  |   |   |   |     |     |         |
| *S180                  | Methods of Teaching Voca-<br>tional Agriculture .....      | 2 | 3 | D | Ed. | 204 | Barnes  |
| *S187                  | Adv. Prob. in Agric. Education..                           | 2 | 3 | D | Ed. | 204 | Barnes  |
| EDUCATIONAL PSYCHOLOGY |  |   |   |   |     |     |         |
| S16                    | Educational Psychology .....                               | 2 | 1 | D | Ed. | 105 | Ross    |
| S122                   | Educa. Tests and Measurements                              | 2 | 3 | D | Ed. | 105 | Ross    |
| S123                   | Statistical Methods in Education                           | 2 | 5 | D | Ed. | 105 | Ross    |



COLLEGE OF EDUCATION—Continued

| Course No.  | SUBJECT  | Credit | Hour | Days | Bldg. | Room No. | Instructor |
|---|--|--------|------|------|-------|----------|------------|
| ELEMENTARY EDUCATION                                    |  |        |      |      |       |          |            |
| 36  | Reading in the Primary Grades  | 2      | 3    | D    | Ed.   | 2        | Duncan     |
| 37  | Language, Spelling and Writing<br>in the Primary Grades .....        | 2      | 4    | D    | Ed.   | 2        | Duncan     |
| 39  | Number Work, History and<br>Geography in the Primary<br>Grades ..... | 2      | 1    | D    | Ed.   | 2        | Duncan     |
| 40  | History and Geography in the<br>Upper Grades .....                   | 2      | 3    | D    | Ed.   | 201      | Camp       |
| 41  | Language and Literature in the<br>Upper Grades .....                 | 2      | 4    | D    | Ed.   | 201      | Camp       |
| 42  | Arithmetic in the Elem. School..                                     | 2      | 2    | D    | Ed.   | 201      | Camp       |
| S125  | The Supervision of Elem. Edu...                                      | 2      | 1    | D    | Ed.   | 106      | McMullen   |
| S145  | Rural School Supervision .....                                       | 2      | 2    | D    | Ed.   | 202      | Adams      |
| 130   | The Teaching of Health in<br>Public Schools .....                    | 2      | 4    | D    | NH    | 302      | Rush       |
| HISTORY OF EDUCATION                                    |  |        |      |      |       |          |            |
| S117a   | History of Education.....  | 2      | 2    | D    | Ed.   | 106      | Noe        |
| S110  | Moral and Esthetic Education.....                                    | 2      | 3    | D    | Ed.   | 106      | Noe        |
| S220  | Comparative Education .....  | 2      | 5    | D    | Ed.   | 106      | Noe        |
| HOME ECONOMICS<br>EDUCATION                             |  |        |      |      |       |          |            |
| 166   | Seminar in Home Economics<br>Education .....                         | 2      | 1    | MWF  | Ed.   | 304      | Hurd       |
| S163  | Current Prob. in Home Making..                                       | 2      | 2    | D    | Ed.   | 304      | Hurd       |
| S165  | Problems in Vocational Home<br>Economics Education .....             | 2      | 4    | D    | Ed.   | 304      | Hurd       |
| INDUSTRIAL EDUCATION                                    |  |        |      |      |       |          |            |
| S74   | Vocational Guidance .....  | 2      | 5    | D    | Ed.   | 205      | May        |
| S170  | Part-Time & Continuation Edu...                                      | 2      | 2    | D    | Ed.   | 303      | May        |
| S171  | Vocational Education .....   | 2      | 3    | D    | Ed.   | 303      | May        |
| PHILOSOPHY OF EDUCATION<br>AND EDUCATIONAL<br>SOCIOLOGY |  |        |      |      |       |          |            |
| S4  | Principles of Education.....   | 2      | 5    | D    | Ed.   | 2        | Bradner    |
| 19a   | Modern Educational Problems...                                       | 1      | 5    | D    | Ed.   | Aud      | Taylor     |
| S35   | Survey of Education .....  | 2      | 2    | D    | Ed.   | 2        | Bradner    |
| 114a  | Educational Sociology .....  | 2      | 4    | D    | Ed.   | 105      | Taylor     |
| 140a  | Philosophy of Education .....  | 2      | 2    | D    | Ed.   | 105      | McMullen   |
| S151  | Normal School Problems .....   | 2      | 5    | D    | Ed.   | 202      | McMullen   |
| S127a   | Prob. in Curriculum Building...                                      | 2      | 2    | D    | Ed.   | 204      | Barnes     |
| SECONDARY EDUCATION                                     |  |        |      |      |       |          |            |
| 38  | Scouting and Scout Craft.....  | 2      | 3    | D    | Ed.   | 205      | Gresham    |
| S105  | The Technique of Teaching.....                                       | 2      | 4    | D    | Ed.   | 205      | Ackley     |
| 135   | The Social Sciences in the<br>High School .....                      | 2      | 4    | D    | Ed.   | Aud      | Holloway   |
| S126  | The Junior High School.....  | 2      | 2    | D    | Ed.   | Aud      | Holloway   |
| S150  | The Senior High School.....  | 2      | 3    | D    | Ed.   | Aud      | Holloway   |



COLLEGE OF COMMERCE

| Course No. | SUBJECT   | Credit | Hour | Days | Bldg. | Room No. | Instructor |
|------------|---|--------|------|------|-------|----------|------------|
| S1a        | Principles of Economics.....                                      | 2      | 1    | D    | WH    | 306      | Wiest      |
| S2         | Economic History of Europe<br>(Freshman and Sophomore)..          | 2      | 1    | D    | WH    | 303      | Jennings   |
| S102       | Labor Problems .....  | 2      | 3    | D    | WH    | 205      | Leland     |
| S103       | Transportation .....  | 2      | 4    | D    | WH    | 306      | Wiest      |
| S104       | Public Finance .....  | 2      | 2    | D    | WH    | 205      | Leland     |
| S107       | Statistical Method .....  | 2      | 1    | D    | WH    | 205      | Leland     |
| S117       | Corporation Finance .....   | 2      | 2    | D    | WH    | 306      | Wiest      |
| 121        | Economic History of the U. S.<br>Prior to 1860 (Jr., Sr. & Grad.) | 2      | 4    | D    | WH    | 205      | Jennings   |



COLLEGE OF ARTS AND SCIENCES—SECOND TERM

| Course No.   | SUBJECT                           | Credit | Hour       | Days | Bldg. | Room No. | Instructor          |
|--|-----------------------------------|--------|------------|------|-------|----------|---------------------|
| ANCIENT LANGUAGES  |                                   |        |            |      |       |          |                     |
| S150b  | Teachers' Course in Latin.....    | 2      | 1          | D    | A     | 303      | Jones               |
| S3   | Cicero and Sallust .....          | 2      | 2          | D    | A     | 303      | Jones               |
| S4a  | Selections from Ovid and Virgil   | 2      | 4          | D    | A     | 303      | Jones               |
| S5   | Livy .....                        | 2      | 3          | D    | A     | 303      | Jones               |
| S110   | Latin Literature .....            | 2      | 5          | D    | A     | 303      | Jones               |
| S51  | Elementary Greek .....            | 2      | By Appt.   | D    | A     | 303      | Jones               |
| BACTERIOLOGY   |                                   |        |            |      |       |          |                     |
| 8  | Bacteria in Relation to Man.....  | 2      | 3          | D    | KH    | 111      | Weaver              |
| 103 <sub>1</sub>   | Pathogenic Bacteriology, Lec..... | 4      | 1          | D    | KH    | 111      | Weaver              |
| 103 <sub>2</sub>   | Pathogenic Bacteriology, Lab..... |        | 4, 5       | D    | KH    | Sb11     | Weaver              |
| 201a   | Research in Bacteriology .....    | 5      | By Appt.   |      | KH    | 111      | Weaver              |
| BOTANY   |                                   |        |            |      |       |          |                     |
| 20   | Dendrology .....                  | 2      | 1          | D    | WH    | 101      | McFarland           |
| 1b <sub>1</sub>  | General Botany, Lec.-Rec.....     | 4      | 4          | D    | WH    | 101      | McFarland           |
| 1b <sub>2</sub>  | General Botany, Lab. ....         |        | 2, 3       | D    | WH    | 102      | Pennebaker          |
| 20   | Dendrology .....                  | 2      | 3          | D    | WH    | 101      | McFarland           |
| CHEMISTRY  |                                   |        |            |      |       |          |                     |
| 1b   | General Inorganic Chemistry.....  | 5      | 1, 2, 3, 4 | D    | KH    |          | Mitchell and others |
| 7  | Organic Chemistry .....           | 5      | 1, 2, 3, 4 | D    | KH    |          | Barkenbus           |
| ENGLISH  |                                   |        |            |      |       |          |                     |
| S1a  | English Composition .....         | 2      | 1          | D    | A     | 302      | Ramsay              |
| S1b <sub>1</sub>   | English Composition .....         | 2      | 2          | D    | A     | 302      | Ramsay              |
| S1b <sub>2</sub>   | English Composition .....         | 2      | 3          | D    | A     | 302      | Ramsay              |
| 2a   | Advanced Composition .....        | 2      | 2          | D    | A     | 301      | Knight              |
| S3a  | History of English Literature.... | 2      | 3          | D    | A     | 205      | Kelley              |
| 114  | American Literature .....         | 2      | 1          | D    | A     | 205      | Kelley              |
| S110   | Shakespeare .....                 | 2      | 1          | D    | A     | 301      | Knight              |
| S111   | The English Novel .....           | 2      | 4          | D    | A     | 301      | Knight              |
| S140   | English Lit. from 1660 to 1774..  | 2      | 2          | D    | A     | 205      | Kelley              |
| GERMAN LANGUAGE AND LITERATURE   |                                   |        |            |      |       |          |                     |
| S1a  | Elementary German .....           | 2      | 1          | D    | A     | 6        | Bigge               |
| S1b  | Elementary German .....           | 2      | 2          | D    | A     | 6        | Bigge               |
| S2a  | Intermediate German .....         | 2      | 3          | D    | A     | 6        | Bigge               |
| S2b  | Intermediate German .....         | 2      | 3          | D    | A     | 6        | Bigge               |
| S3a  | Composition and Reading.....      | 2      | 4          | D    | A     | 6        | Bigge               |
| S3b  | Composition and Reading.....      | 2      | 4          | D    | A     | 6        | Bigge               |
| S4a  | Adv. Reading and Composition..    | 2      | By Appt.   | D    | A     | 6        | Bigge               |
| S6   | Scientific German .....           | 2      | By Appt.   | D    | A     | 6        | Bigge               |
| Special arrangements will be made for students who cannot accommodate themselves to this schedule. |                                   |        |            |      |       |          |                     |
| HISTORY  |                                   |        |            |      |       |          |                     |
| S4b  | Modern Europe .....               | 2      | 2          | D    | A     | 203      | Clyde               |
| S120   | Twentieth Century .....           | 2      | 4          | D    | A     | 203      | Clyde               |
| 205  | Seminar .....                     | 2      | 3:30-5:00  | D    | Lib.  |          | Clyde               |



## COLLEGE OF ARTS AND SCIENCES—SECOND TERM—Continued

| Course No.                       | SUBJECT                          | Credit | Hour      | Days | Bldg. | Room No. | Instructor            |
|----------------------------------|----------------------------------|--------|-----------|------|-------|----------|-----------------------|
| HYGIENE                          |                                  |        |           |      |       |          |                       |
| 1b                               | Hygiene .....                    | 1.3    | 1         | D    | NH    | 302      | Rhodes                |
| 105b                             | Advanced Hygiene .....           | 2      | 2         | D    | NH    | 302      | Rhodes                |
| JOURNALISM                       |                                  |        |           |      |       |          |                       |
| S1b                              | First Year Journalism .....      | 2      | 2         | D    | S     | 1        | Griffin               |
| S2b                              | Second Year Journalism.....      | 2      | 3         | D    | S     | 1        | Griffin               |
| S3b                              | Third Year Journalism .....      | 2      | 4         | D    | S     | 1        | Griffin               |
| MATHEMATICS                      |                                  |        |           |      |       |          |                       |
| S1                               | Elementary Algebra .....         | 2      | 3         | D    | C&P   | 303      | Davis                 |
| S2                               | Solid Geometry .....             | 2      | 2         | D    | C&P   | 303      | Davis                 |
| S7b                              | Integral Calculus .....          | 2      | 1         | D    | C&P   | 303      | Davis                 |
| PHYSICS                          |                                  |        |           |      |       |          |                       |
| 1b                               | Gen. Elem. Phy., Lec. ....       | 5      | 1         | D    | C&P   | 200      | Webb                  |
| 1b                               | Gen. Elem. Phy., Rec. ....       |        | 2         | D    | C&P   | 200      | Webb                  |
| 1b                               | Gen. Elem. Phy., Lab. ....       |        | 3, 4      | MWF  | C&P   | 203      | Webb and Asst.        |
| 3b                               | Gen. Col. Phy., Lec. & Rec.....  | 4      | 3, 4      | D    | C&P   | 103      | States                |
| S6                               | Meas. in Elec., Lec.....         | 2      | 1         | TTh  | C&P   | 103      | States                |
| S6                               | Meas. in Elec., Lab. ....        |        | 1, 2      | MWF  | C&P   | } 3      | States and Asst.      |
|                                  |                                  |        | 2         | TTh  | C&P   |          |                       |
| S51b                             | Introduction to Physics, Lec.... | 2      | 1         | D    | C&P   | 200      | Webb                  |
| 114b                             | Radio Communication, Lec.....    | 2      | 5         | MWF  | C&P   | 200      | States                |
| 114b                             | Radio Communication, Lab. ....   |        | 1, 2      | MW   | C&P   | 3        | States                |
| POLITICAL SCIENCE                |                                  |        |           |      |       |          |                       |
| S15b                             | Problems of Citizenship .....    | 2      | 1         | D    | A     | 204      | Vandenbosch           |
| S51b                             | American Government .....        | 2      | 2         | D    | A     | 204      | Vandenbosch           |
| S155b                            | Comparative Government .....     | 2      | 4         | D    | A     | 204      | Vandenbosch           |
| PSYCHOLOGY                       |                                  |        |           |      |       |          |                       |
| S104                             | Social Psychology .....          | 2      | 2         | D    | NH    | 304      | Dockeray              |
| 108a                             | Human Measurements .....         | 2      | 1         | D    | NH    | 304      | Dockeray              |
| 109a                             | Diagnosis of Development .....   | 2      | By Appt.  | D    | NH    | 201      | Dockeray              |
| ROMANCE LANGUAGES AND LITERATURE |                                  |        |           |      |       |          |                       |
| S1b                              | Elementary French .....          | 2      | 1         | D    | S     | 307      | Holmes                |
| S2b                              | Intermediate French .....        | 2      | 2         | D    | S     | 307      | Holmes                |
| S5b                              | Elementary Spanish .....         | 2      | 3         | D    | S     | 307      | Holmes                |
| SOCIOLOGY                        |                                  |        |           |      |       |          |                       |
| S1b                              | Principles of Sociology .....    | 2      | 2         | D    | WH    | LT       | Best                  |
| S101                             | Social Dependence .....          | 2      | 3         | D    | WH    | LT       | Best                  |
| S106                             | Immigration .....                | 2      | 1         | D    | WH    | 301      | Best                  |
| ZOOLOGY                          |                                  |        |           |      |       |          |                       |
| 1b <sub>1</sub>                  | General Zoology, Rec. ....       | 4      | 2         | D    | S     | 108      | Brauer                |
| 1b <sub>2</sub>                  | General Zoology, Lab. ....       |        | 7:00-8:20 | D    | S     | 103      | Brauer                |
| 101a                             | Histology .....                  | 3      | 3, 4      | D    | S     | 103      | Brauer                |
| 108b                             | Prin. of Zoology (Heredity)..... | 2      | 3         | D    | S     | 108      | Funkhouser            |
| 110b                             | Independent Work .....           | 3      | By Appt.  |      |       |          | Funkhouser and Brauer |



COLLEGE OF ENGINEERING—SECOND TERM

| Course No.             | SUBJECT                    | Credit | Hour     | Days | Bldg. | Room No. | Instructor             |
|------------------------|----------------------------|--------|----------|------|-------|----------|------------------------|
| CIVIL ENGINEERING      |                            |        |          |      |       |          |                        |
| 21                     | Hydraulics .....           | 2      | 5        | D    | MH    | 201      | Johnson                |
| ENGINEERING MECHANICS  |                            |        |          |      |       |          |                        |
| S6                     | Analytical Mechanics ..... | 4      | 2 and 3  | D    | MH    | 201      | Johnson                |
| ELECTRICAL ENGINEERING |                            |        |          |      |       |          |                        |
| 2                      | D. C. Dynamos .....        | 2      | By Appt. |      | MH    | 202      | Freeman                |
| S7                     | Dynamo Design .....        | 2      | By Appt. |      | MH    | 104      | Freeman                |
| S3                     | Alternating Currents ..... | 2      | 4        | D    | MH    | 202      | Freeman                |
| 9b                     | Electrical Lab. ....       | 1      | 6 and 7  | MWF  | MH    | 108      | Freeman and<br>Watkins |
| MECHANICAL ENGINEERING |                            |        |          |      |       |          |                        |
| S8                     | Steam Laboratory .....     | 1      | 6, 7, 8  | TTh  | MH    | 112      | Freeman                |

COLLEGE OF EDUCATION—SECOND TERM

|                        |  |   |   |   |     |     |         |
|------------------------|--|---|---|---|-----|-----|---------|
| ADMINISTRATION         |  |   |   |   |     |     |         |
| S108                   | Public Education in the U. S.....                                    | 2 | 1 | D | Ed. | 202 | Leggett |
| S115                   | Administration and Supervision                                       | 2 | 2 | D | Ed. | 202 | Leggett |
| S131                   | Financing Public Education.....                                      | 2 | 4 | D | Ed. | 202 | Leggett |
| EDUCATIONAL PSYCHOLOGY |  |   |   |   |     |     |         |
| S16                    | Educational Psychology .....   | 2 | 2 | D | Ed. | 205 | Ross    |
| S122                   | Educ. Tests and Measurements   | 2 | 3 | D | Ed. | 205 | Ross    |
| S123                   | Statistical Methods in Educ.....                                     | 2 | 5 | D | Ed. | 205 | Ross    |
| ELEMENTARY EDUCATION   |  |   |   |   |     |     |         |
| 36                     | Reading in the Primary Grades..                                      | 2 | 2 | D | Ed. | 2   | Duncan  |
| 37                     | Language, Spelling and Writing<br>in the Primary Grades.....         | 2 | 5 | D | Ed. | 2   | Duncan  |
| 39                     | Number Work, History and<br>Geography in the Primary<br>Grades ..... | 2 | 3 | D | Ed. | 2   | Duncan  |
| 40                     | History and Geography in the<br>Upper Grades .....                   | 2 | 2 | D | Ed. | 204 | Camp    |
| 41                     | Language and Literature in the<br>Upper Grades .....                 | 2 | 3 | D | Ed. | 204 | Camp    |
| 42                     | Arithmetic in the Elem. School                                       | 2 | 5 | D | Ed. | 204 | Camp    |
| 130                    | The Teaching of Health in<br>Public Schools .....                    | 2 | 4 | D | NH  | 302 | Rush    |



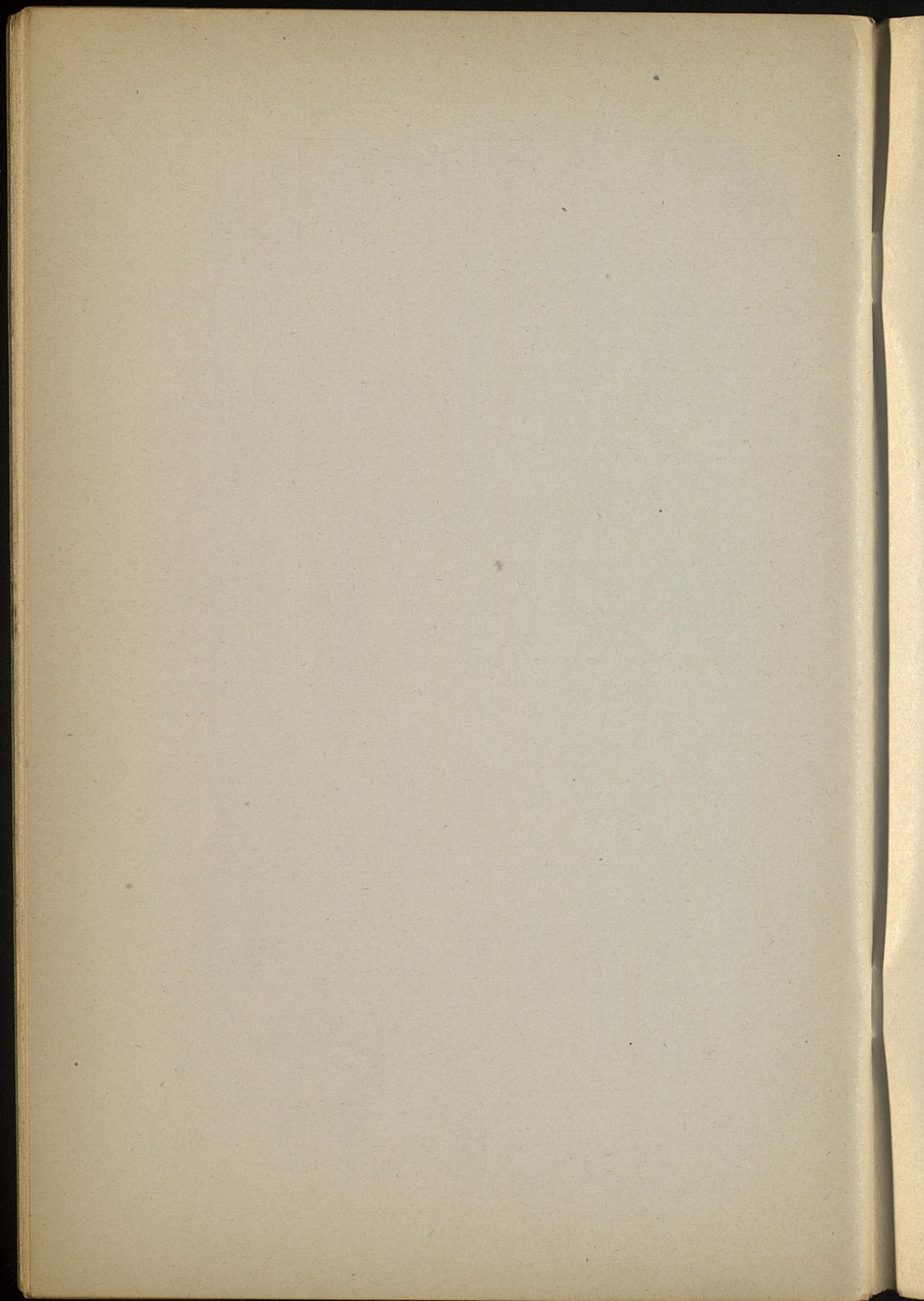
COLLEGE OF EDUCATION—Continued

| Course No.             | SUBJECT                          | Credit | Hour | Days | Bldg. | Room No. | Instructor |
|------------------------|----------------------------------|--------|------|------|-------|----------|------------|
| PHILOSOPHY & SOCIOLOGY |                                  |        |      |      |       |          |            |
| S4                     | Principles of Education.....     | 2      | 5    | D    | Ed.   |          | Adams      |
| 114b                   | Educational Sociology .....      | 2      | 4    | D    | Ed.   | 105      | Taylor     |
| S127b                  | Problems in Curriculum Bldg..... | 2      | 1    | D    | Ed.   | 105      | Adams      |
| 140b                   | Philosophy of Education.....     | 2      | 3    | D    | Ed.   | 105      | Adams      |
| SECONDARY EDUCATION    |                                  |        |      |      |       |          |            |
| S105                   | The Technique of Teaching.....   | 2      | 1    | D    | Ed.   | 106      | Birckhead  |
| S126                   | The Junior High School.....      | 2      | 2    | D    | Ed.   | 106      | Birckhead  |
| S150                   | The Senior High School.....      | 2      | 4    | D    | Ed.   | 106      | Birckhead  |
| 38                     | Scouting and Scoutcraft.....     | 2      | 2    | D    | Ed.   | 105      | Gresham    |

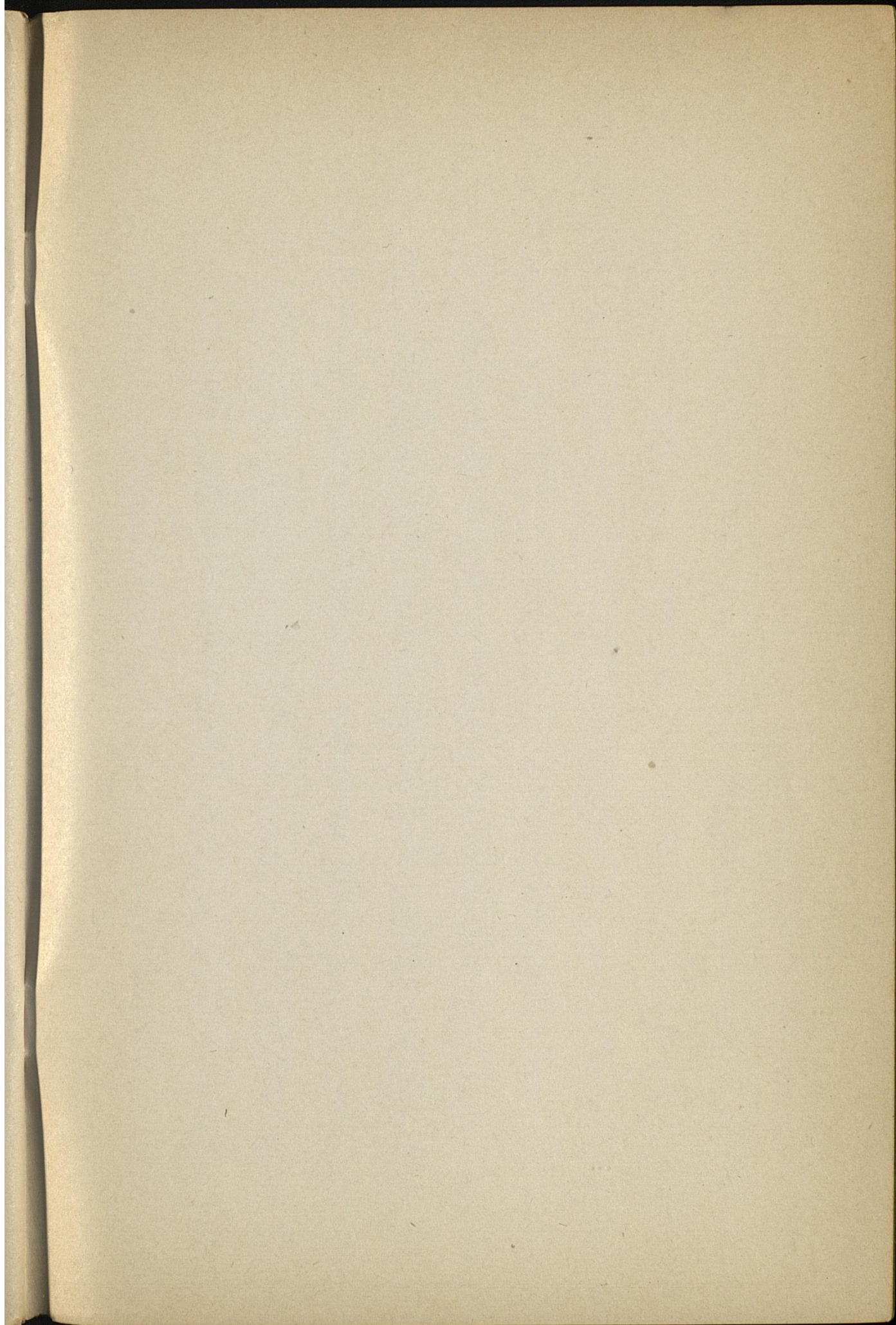
COLLEGE OF COMMERCE—SECOND TERM

|      |   |   |   |   |    |     |          |
|------|---|---|---|---|----|-----|----------|
| S1b  | Principles of Economics.....                          | 2 | 1 | D | WH | 306 | Eberling |
| S8   | Economic Geography .....                              | 2 | 4 | D | WH | 205 | Jennings |
| S110 | Business Cycles .....                                 | 2 | 4 | D | WH | 306 | Eberling |
| S116 | Business Organization .....                           | 2 | 2 | D | WH | 306 | Eberling |
| 122  | Economic History of the United States Since 1860..... | 2 | 1 | D | WH | 205 | Jennings |
| S123 | Adv. Economic Hist. of Europe                         | 2 | 2 | D | WH | 205 | Jennings |

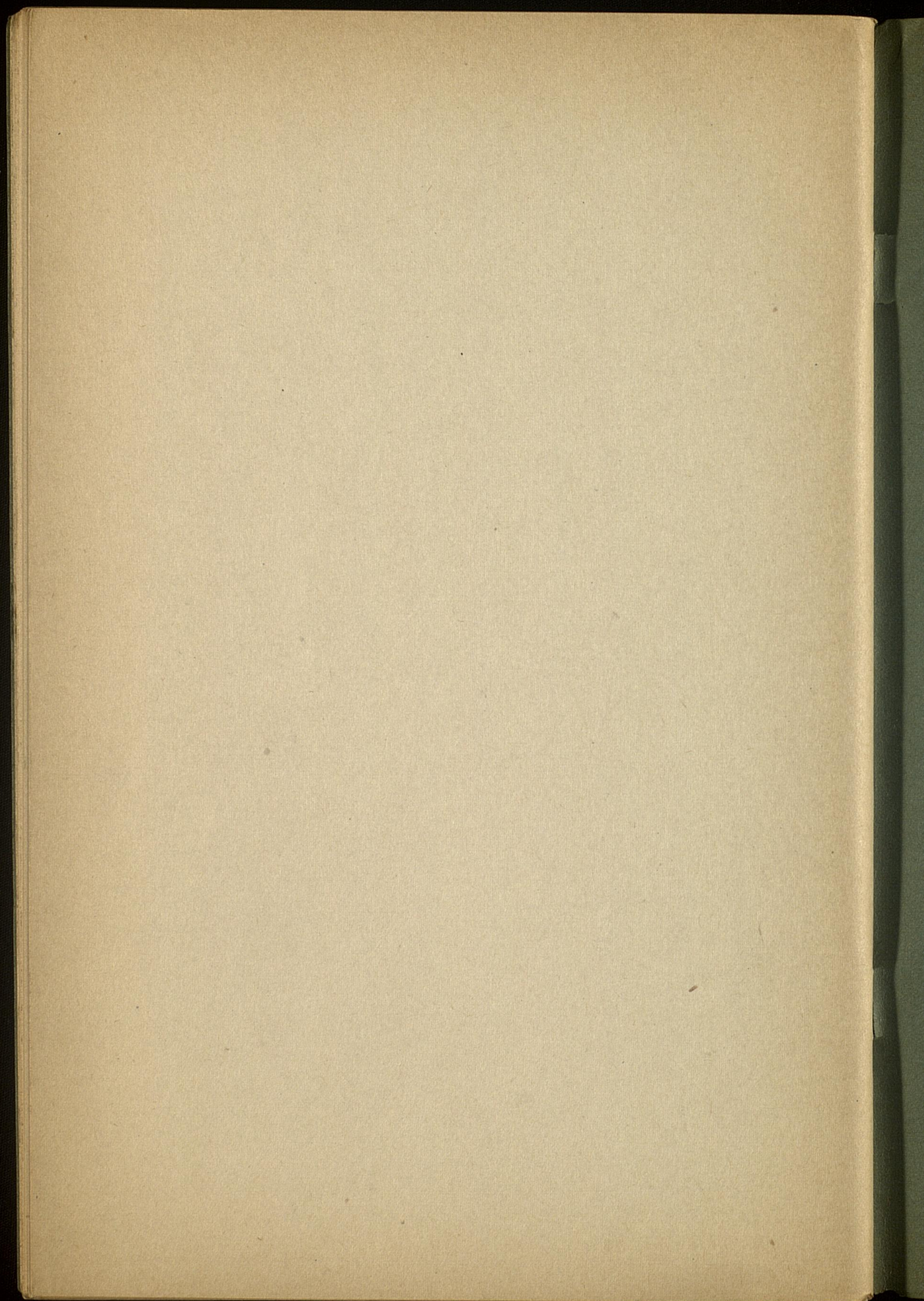




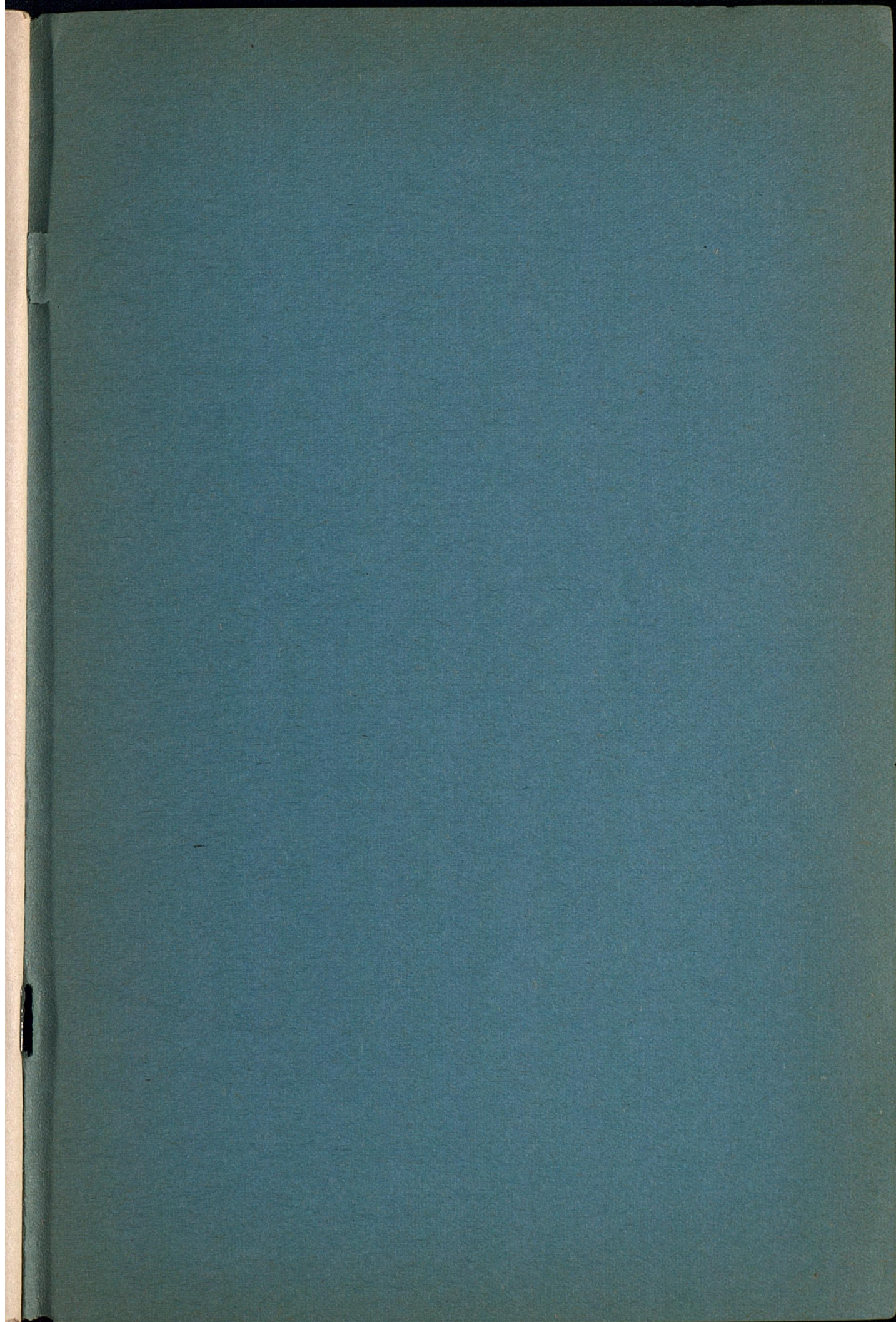














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For information regarding courses and catalogs, address Ezra L. Gillis, Registrar, University of Kentucky, Lexington, Kentucky.