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*Bulletin of the*  
**UNIVERSITY OF KENTUCKY**



**SUMMER SESSION, 1939**

*First Term: June 12 to July 15*

*Second Term: July 17 to August 19*

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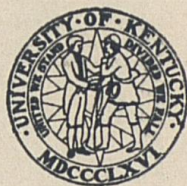
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MARCH

No. 3

UNIVERSITY SCHOOL  
Elementary—June 9 to July 14  
High School—June 5 to July 21

BULLETIN  
OF THE  
University of Kentucky



SUMMER SESSION, 1939

First Term: June 12 to July 15

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## EXTRA-CURRICULAR EVENTS FOR 1939 SUMMER SESSION

The University believes that an important phase of the student's training in the Summer Session is the stimulation and culture received from a well arranged extra-curricular program. The following schedule of events for this coming summer has been arranged.

The schedule as given here is subject to revision and in some instances is not yet complete.

### FIRST TERM

#### JUNE

Thursday 15, 9:50 a. m.	Convocation, Memorial Hall, President Frank L. McVey, speaker
Thursday 15, 7:30 p. m.	Faculty Reception for students
Saturday 17, 8:00-12:00 p. m.	Dance and Bridge Party, Student Union Building
Wednesday 21, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 22, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director
Saturday 24, 9:00-12:00 p. m.	Dance and Bridge Party, Student Union Building
Monday 26, 9:00 a. m.	Convocation, Memorial Hall, Harry Elmer Barnes, speaker
Tuesday 27, 4:00 p. m.	Blue Grass Tour
Wednesday 28, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 29, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, Director

#### JULY

Wednesday 5, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 6, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director
Saturday 8, 9:00-12:00 p. m.	Dance and Bridge Party, Student Union Building
Tuesday 11, 11:00 a. m.	Convocation, Memorial Hall
Wednesday 12, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 13, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director

### SECOND TERM

Wednesday 19, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 20, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director

Friday 21, 9:50 a. m. Convocation, Memorial Hall  
Saturday 22, 9:00-12:00 p. m. Dance and Bridge Party, Student  
Union Building  
Thursday 27, 7:30 p. m. Little Symphony Concert, Memorial  
Hall, Professor Carl Lampert,  
director

AUGUST

Wednesday 2, 11:00 a. m. Convocation, Memorial Hall  
Thursday 3, 7:30 p. m. Little Symphony Concert, Memorial  
Hall, Professor Carl Lampert,  
director  
Thursday 10, 7:30 p. m. Little Symphony Concert, Memorial  
Hall, Professor Carl Lampert,  
director  
Friday 11, 9:00 a. m. Convocation, Memorial Hall  
Wednesday 16, 6:00 p. m. Commencement Dinner  
Thursday 17, 4:30 p. m. Reception for graduates  
Friday 18, 7:00 p. m. Commencement, Amphitheatre

## SUMMER SESSION CALENDAR

Monday	June 12	Registration for first term.
Tuesday	June 13	Classes begin.
Monday	June 19	Last date upon which a student may register for credit for the first term's work.
Wednesday	June 21	Last date upon which a student may be dropped without a grade.
Friday	June 23	Faculty meeting in McVey Hall, Room 111.
Saturday	July 1	Last date upon which a student may withdraw and receive a refund on matriculation fee for the first term.
Tuesday	July 4	Holiday.
Saturday	July 15	Examinations for the first term.
Monday	July 17	Registration for second term.
Tuesday	July 18	Classes begin.
Thursday	July 20	Last date upon which a student may register for credit for the second term's work.
Friday	July 21	Last date for making application for a degree.
Wednesday	July 26	Last date upon which a student may be dropped without a grade.
Friday	July 28	Faculty meeting in McVey Hall, Room 111.
Saturday	August 5	Last date upon which a student may withdraw and receive a refund on matriculation fee for the second term.
Friday	August 18	Commencement.
Saturday	August 19	Examinations for second term.

#### OFFICERS OF THE SUMMER SESSION

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*Professor of Philosophy of Education; Director of the Summer Session*
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- WALTON, MOSS, M. A.  
*Visiting Lecturer in Education; State Department of Education, Frankfort, Kentucky*
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*Associate Professor of Physics*
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*Romance Languages, University High School*
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- WILLIAMS, JOHN DAVIS, M. A.  
*Director, University School*
- WILLSON, LOUISE, M. A.  
*Third Grade, University School*
- WOFFORD, AZILE, M. S. in L. S.  
*Assistant Professor of Library Science*
- WOODS, RALPH HICKS, Ph. D.  
*Director and Supervisor of Agricultural Education in Kentucky*
- WRIGHT, ELIZABETH, M. S.  
*Instructor in Bacteriology*
- YOUNG, DAVID M., M. S.  
*Assistant Professor of Geology*
- YOUNG, EARL ROBERT, B. S.  
*Instructor in Agricultural Engineering*
- YOUNG, RUTH THEOBALD, B. S. in L. S.  
*Visiting Instructor in Library Science*
- ZIRBES, LAURA, Ph. D.  
*Lecturer in Education; Professor of Education, Ohio State University*

## GENERAL INFORMATION

### THE SUMMER SESSION

The University of Kentucky held its first Summer Session in 1903. From 1903 to 1913, certain instructors on the campus offered Summer Session work to students who needed training other than that of the regular year. This type of summer work however was often of an individual nature, largely dependent upon agreements between the student and his instructor. Beginning with the year 1913 the Summer School became a more integral phase of the regular University work and was characterized by a much broader program of offerings. This increment in offerings and the number of faculty members has continued since that time.

The Summer Session has experienced a phenomenal growth in the past few years. The total enrollment for the two terms in 1932 was 1942, while the total enrollment in 1938 was 3206, an increase of 64.6 per cent. Of this number 44 per cent were graduate students.

### UNIVERSITY OF KENTUCKY FULLY ACCREDITED

The University of Kentucky is a fully accredited institution. It is on the approved list of the Association of American Universities and holds memberships in the following organizations: The Southern Association of Colleges and Secondary Schools, the American Council on Education, the National Association of State Universities, the Association of American Colleges, the Association of Land-Grant Colleges, the Association of American Law Schools, the American Association of Collegiate Schools of Business, the Kentucky Association of Colleges and Secondary Schools, the American Association of Schools and Departments of Journalism, the National Association of Schools of Music, and the Association of Deans and Directors of Summer Sessions.

### THE BEAUTIES OF THE BLUE GRASS

The Blue Grass is a magic country full of scenic beauty, and rich in historical interest, romantic and traditional lore. Its ever-changing beauty of landscape and stately colonial mansions add to its charm.

Many of the vast horse farms, some individual establishments containing more than a thousand acres, are open to visitors throughout the year. These farms with their broad pastures, their sparkling streams, their woodlands of gigantic forest trees and their paved drives and roads provide Fayette County with a system of parks which is decidedly unique. In this enjoyable touring region one finds vast tobacco farms, meadow lands, wooded foothills, and deep-running

streams and rivers, which, for beauty, are unsurpassed. Throughout the region one comes upon dignified old mansions, lovely gardens, groves of forest trees and mile after mile of stone walls which make the country-side both restful and refreshing.

In Lexington one will be impressed by the University of Kentucky; "Ashland," the home of Henry Clay; Gen. John Hunt Morgan's home; the home of Mary Todd, wife of Lincoln; the Lexington Cemetery with its monument to Henry Clay, and the resting place of many famous Kentuckians; the tobacco warehouses with their amazing size; the track of the Kentucky Trotting Horse Breeders' Association; Keeneland Race Track; the Kentucky Agricultural Experiment Station; Transylvania College, and Hamilton and Sayre Colleges.

"Idle Hour," "Elmendorf," "Walnut Hall," "Calumet," "Castleton," "Hamburg Place" (with its horse cemetery), "Dixiana," "Coldstream," and "Faraway" (home of Man o' War), are among the beautiful horse farms in Fayette County that are open to visitors. The United States Veterans' Hospital, the Federal Narcotic Farm, the Agricultural Experiment Station Farm, the old colonial homes in which Lafayette was entertained, Grimes Mill, Clay's Ferry hill, and Bryan Station add to the historical charm of this county.

Visiting the Blue Grass, students will be impressed by the Kentucky River palisades, Boone Tunnel, High Bridge, Camp Nelson, National Cemetery, Dix River Dam, Herrington Lake, old Shakertown, Fort Harrod and Pioneer Cemetery at Harrodsburg, Centre College at Danville, and Berea Mountain School at Berea. Within twenty-five miles of Lexington one can visit the state capital, Frankfort, and see the new capitol building, the old capitol building, the Kentucky Historical Society museum, and the state cemetery—burial place of Daniel Boone and a number of Kentucky soldiers and statesmen.

#### SOCIAL LIFE IN THE SUMMER SCHOOL

One of the most attractive features of the Summer Session program is the extra-curricular side of the work. The University of Kentucky realizes that it is essential to meet the social needs of students in attendance at the Summer School, as well as to provide for their intellectual requirements.

The extra-curricular offerings in past summers have been greatly appreciated by the students and widely attended. The extra-curricular offerings in the 1939 Summer Session will include concerts, teas, dances, plays, tours, lectures, picnics, and convocations. For information on the extra-curricular program for 1939 see the calendar of social events on page 3 of this bulletin.

#### STUDENT UNION BUILDING

The Union Building is the center of University student activity. The building provides a "game room" consisting of pool, billiards, and ping-pong tables; a "recreation room" for playing cards and

informal dancing; a "music room" where one may hear the works of the great composers; and a "periodical room" with fine magazines. The advantages these various rooms offer may be enjoyed by the students during leisure hours.

There is a modern beauty salon and barber shop, a cafeteria serving foods of quality, an attractive soda grill, luxurious men's and women's lounges, and telegraph and telephone service; all for the convenience of the students.

In addition to the services mentioned above, the Information Desk is open for room reservations, information, and checking articles for a small fee. The large recreation room makes an ideal place for holding Summer Session dances.

The Union operates during both winter and summer terms of school so that it may constantly serve the student body and maintain its reputation as "the camping ground of the students."

#### PLACEMENT SERVICE

There is a constantly growing demand for the services of the graduates of the University of Kentucky. Placement services are maintained by several colleges on the campus 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.

In the College of Commerce is the Senior-Commerce Employment Association which is self-supporting and is headed by a permanent secretary. The Association has been very successful in placing graduates with nationally operating industrial concerns, credit investigating and reporting companies, wholesale houses, banks, insurance companies, chain store companies, governmental agencies, both federal and state, and in teaching positions. These positions included secretarial work, accounting, advertising, selling, personnel and statistical work.

The Teacher Placement Bureau of the College of Education is designed particularly to assist in the placement of superintendents, principals, and teachers. Each student in attendance at the University who desires a teaching position should register with the Placement Bureau, Room 115, Education Building. Superintendents and college administrators who desire capable teachers should write direct to the bureau for recommendations and credentials.

The College of Engineering has a wide reputation for training its men well for successful careers in the engineering and industrial world. The demand for their services has been such that, with the exception of two or three years, all members of each class have been employed soon after graduation. The placement of engineering graduates is directed by the Dean of the College with the assistance of the heads of departments.

## RECREATIONAL ACTIVITIES

The summer months are vacation and recreational time. Provision is made for Summer Session students to participate in numerous recreational activities and to learn the fundamental skills and techniques involved. The Physical Education Department is offering recreational courses for men and women students in Golf, Tennis, Tap Dancing, Social Dancing, Modern Dancing, Recreational Games, Bait and Fly Casting, Volley Ball, Archery, and Badminton. This is an opportunity for every Summer Session student to receive expert instruction in any or all of the above mentioned activities. If you are a novice it is your chance to learn, if an expert performer it is your chance to participate under wholesome and enjoyable circumstances.

The primary purpose of the recreational courses is to provide pleasant and profitable leisure time activity for all students and to improve their performance ability. Teachers and supervisors of physical education will find the courses valuable in organizing teaching material and methods. Recreational leaders and directors will get new ideas on promoting leisure time activities. All Summer Session students will find in the activities healthful and enjoyable opportunities.

For a schedule of the courses offered, see pages 50 and 73 of this bulletin.

## THE UNIVERSITY SCHOOL AND DIRECTED TEACHING

The University School will be in session during the first summer term only. The term for the Junior and Senior High School will begin June 5 and close July 21. The term for the Elementary School will begin June 9 and close July 14. The Elementary School will be open from 8:30 to 12:00 daily, except Saturdays and Sundays.

Students desiring to register for Directed Teaching in junior or senior high school subjects should enroll with Mr. J. D. Williams, Director of the University School, on or before June 6. Students taking Directed Teaching in the Elementary School should enroll with Mrs. May K. Duncan, Department of Elementary Education, on or before June 12. Application for these courses should be made in advance, since only a limited number of students can be accommodated. Students are urged to file their applications for these courses as early as possible, as time should be allowed the Dean's office to check the prerequisites of all applicants before registration.

Summer School students who have children have an opportunity to place them in the University School. Both the Elementary School and the High School maintain modern programs of education that should be of interest to parents attending the University of Kentucky Summer Session. Persons desiring to avail themselves of the opportunities of the University School should write the Director of the Summer Session requesting reservations for their children.

The University School will provide instruction in all subjects

regularly offered in the schools of Kentucky. High school pupils may make one unit of credit toward their graduation requirements. This unit of work may be done in one subject or one-half of a unit may be done in each of two different subjects.

Pupils from any of the schools of the state will be permitted to enroll in the University School for the summer term. The tuition charge for high school pupils will be \$10.00 for one-half unit or \$15.00 for one full unit in the ninth, tenth, eleventh, and twelfth grades. The tuition charge for seventh and eighth grade pupils will be \$7.50. No tuition is charged in the Elementary School for the Summer Session.

The operation of the University School during the Summer Session offers a helpful opportunity to the following persons:

1. Pupils who wish to make an additional unit of credit. By attending Summer School it is quite possible for a pupil to earn enough units to enable him to be graduated from high school in less than four years. Many alert, ambitious pupils will appreciate this opportunity.

2. Pupils who wish to carry more satisfactorily the work of an advanced grade. Many pupils who have not failed, but who have barely passed, by attending Summer School can assure themselves of better success in the grade to which they have been promoted.

3. Pupils who wish to make up work in which they have failed during the regular school term.

#### LENGTH OF SESSION

The Summer Session of the University of Kentucky for 1939 will be ten weeks in length, six days a week, and will be divided into two terms, the first to begin June 12 and close July 15 and the second to begin July 17 and close August 19.

Classes during the Summer Session will begin at 7:00 a. m. The first hour will be from 7:00 to 8:15, the second hour from 8:25 to 9:40, the third hour from 9:50 to 11:05, and the fourth hour from 11:15 to 12:30.

#### COURSES

Courses will be offered for graduates and for undergraduates in the College of Arts and Sciences, the College of Agriculture, the College of Engineering, the College of Law, the College of Education, and the College of Commerce. The courses listed for each term may be found in this catalog.

#### 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 social welfare service, including playground directors.

10. Music supervisors and prospective band directors.

11. Persons desiring special courses in library science.

12. Persons who desire to fit themselves for teaching or supervision in the commercial field.

13. Public health officers.

14. Physicians, nurses and sanitary engineers who desire to become public health officers.

15. Athletic directors and coaches.

#### 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.

All applications for admission should be made to the Registrar of the University. Credits should be filed in advance. Students entering as freshmen should present transcripts from their high schools and those desiring advanced standing should have a transcript sent from each institution they have attended. Students wishing to take work that is to be applied toward a degree in another institution may present a permit from that institution in lieu of a transcript of credits.

*To the Freshman Class.* An applicant for admission to the freshman class of any of the colleges of the University, except the Colleges of Law and Education, 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 certifi-



cates 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.* The College of Law is co-educational. Both men and women are admitted either in the regular session or in the Summer Session. The same requirements for admission to the Summer Session prevail as for the regular session—the completion of two years of college work, 60 semester hours, including 6 semester hours of English. This 60 hours is exclusive of Physical Education and Military Science.

Students from other law schools of the American Association of Law Schools are admitted on the same terms as students of the University of Kentucky College of Law.

*To the College of Education.* To be admitted to the College of Education a student shall meet the following requirements:

- a. At least junior standing.
- b. A standing of at least 1.0 (average of C on all previous work).

*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 an accredited 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. Applicants from institutions other than this University are required to file with the Registrar an official transcript showing (a) all undergraduate work covered, (b) graduate work taken, if any, and (c) degrees received.

If the record submitted to the Registrar entitles him to admission the applicant should confer with the Dean of the Graduate School and his major professor concerning preliminary requirements that he may have to satisfy and as to the graduate courses that he should take.

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, cannot 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 the entrance examinations.

#### 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.

#### 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, but 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 committee on scholarship and attendance.

#### FEES

*Tuition Fee.* The tuition fee for each college, with the exception of the College of Law and the Department of Health, is \$22.75 a term where a load of more than 3 hours is carried. Students registering for 3 hours or less will be charged \$5.00 per credit-hour, with a minimum registration fee of \$10.00. In the College of Law the fee is \$27.50. In the Department of Health the fee for nurses is \$22.75. Regarding fees for public health officers and sanitary engineers, see special bulletin for the Department of Hygiene and Public Health.

#### REFUNDS

During the first week after the opening of either term of the Summer Session, students withdrawing from the University may receive a refund on the amount paid in fees, not to exceed 70 per cent of all fees paid. During the second week a refund of 50 per cent may be secured and during the third week a refund of 30 per cent. In no case shall the amount refunded exceed 70 per cent and in no case will refunds be made after the first three weeks.

### LATE REGISTRATION

No student will be allowed to register for credit for the first term's work after June 19 nor for the second term's work after July 20.

### 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 credit the student's standing is 1 or more.
- E—Failure, valued at 0 points and no credit.
- I—Incomplete.
- X—Absent from examination.
- WP—Withdrew passing.
- WF—Withdrew failing.

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 throughout his course of 127 semester hours, would have 127 points and 127 credits, and a standing of *one*. An average mark of B would give the student 254 points and 127 credits and a standing of *two*. When a semester's work is to be considered a "standing" is understood to be the ratio of the number of points gained to the number of credits scheduled.

### ROOM AND BOARD

Application for a room in the women's residence halls should be made to the Dean of Women, and for a room in the men's residence halls to the Dean of Men. Each application should be accompanied by a reservation fee of five dollars. If a check is sent in payment of this fee it should be made payable to the University of Kentucky. *Refunds of this fee will be made only in case notification is given the Dean of Women or Dean of Men at least ten days before the term opens for which the reservation is made.* Upon occupancy of the room by a student, this fee will be held as a breakage deposit to be returned at the close of the term.

Rooms in the women's residence halls cost \$11.75 a term for each person in a double room; single rooms are \$14.00 per term. Students registering for a short course (two and one-half weeks) will pay \$6.00 for that period for each person in a double room, or \$7.50 for a single room. One of the smaller residence halls will be reserved for students who are enrolled for only a two and one-half weeks' period. Bed linens are furnished but students should bring blankets, towels, and dresser scarfs. Room assignments will be made in order of applica-

tion. Reservations not claimed by seven o'clock on the evening of June 12 or July 17, the opening dates of the summer terms, will not be held unless arrangements have been made with the Dean of Women. Women students must secure special permission from the Dean of Women to live in town.

Rooms for men in Breckinridge and Bradley Halls cost \$10.00 a term for each person in a room; rooms in Kinkead Hall cost \$12.50 a term for each person in a room. Students registering for short courses (two and one-half weeks) will be charged \$6.00 for each person in a room. Bed linen is included. Reservations not claimed by June 12 and July 17, the opening dates for the first and second terms, will not be held unless arrangements are made with the Dean of Men.

*Meals at the University Cafeteria.* Meals will be served at the University cafeteria during the Summer Session.

*Rooms and Board in Lexington.* A list of desirable rooms and boarding places in the city is kept in the office of the Dean of Women and the Dean of Men. Good double rooms range in price for the term from \$10.00 up; single rooms from \$12.50 up. Students who have not made reservations should apply upon arrival in Lexington at the Office of the Dean of Women or Dean of Men for information relative 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 held at the offices of the Department of Hygiene.

#### SOCIAL WORK DEPARTMENT

In response to the increasing demand for social workers to administer social security and county welfare programs, the University has established the Department of Social Work, under the direction of Miss Vivien Palmer. The department offers (a) a professional curriculum on a graduate level, (b) a preprofessional social work major leading to the A. B. degree in the College of Arts and Sciences, and (c) undergraduate, orientation courses.

The graduate curriculum of technical social work courses is offered for students who desire to prepare for a career in social work. These courses are approved by the American Association of Social Workers and may be offered toward meeting junior membership requirements of that organization. With the consent of the instructor, some of these courses may be opened to students in other fields who are interested in acquiring a particular social work technique.

A preprofessional major of background social science and non-technical social work courses is offered to meet the prerequisites for graduate training.

Orientation courses are open to students who wish a general knowledge of social work, and to teachers, vocational counselors, home demonstration and county agents, public health nurses, and other persons in allied professions.

## REQUIREMENTS FOR GRADUATION

### 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 with at least one semester of the work 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.

### GENERAL REQUIREMENTS FOR A DEGREE

All applicants for a degree must have satisfied the following requirements:

#### 1. NUMBER OF CREDITS.

An applicant for a degree must have the required number of acceptable credits. One semester's work in a beginning modern foreign language cannot be accepted until the student has received a passing grade in the work of the second semester.

#### 2. REQUIREMENTS FOR GRADUATION.

A. B. and B. S.	*127	Semester hours
B. S. in Agriculture	*139.3	Semester hours
B. S. in Home Economics	*133.7	Semester hours
A. B. or B. S. in Education	*127	Semester hours
B. S. in Commerce	*127	Semester hours
LL. B.	80	Semester hours (60 A.&S. credits required for admission).
B. S. in Engineering	*146	Semester hours

#### 2. CLASSIFICATION AS A REGULAR STUDENT.

An applicant must be a regular student and cannot be doing work as a special student. The student must have a standing\*\* of 1.0 after all penalties have been subtracted. All advanced work that is accepted is counted with a standing of 1.0.

#### 4. FINANCIAL DELINQUENTS.

An applicant must not be a delinquent financially at the Book Store, Business Office, Post Office, Library, Athletic or Military Department or any other office at the University.

\* With equal numbers of quality points.

\*\* The standing of a student is the ratio of his total number of points to his total number of credits.

5. GROUP REQUIREMENTS.

All group requirements and requirements in Military Science and Physical Education must have been met.

6. RESIDENCE REQUIREMENTS.

The residence requirements must be fulfilled. Permission for all extension courses taken in the senior year must be obtained from the Dean and must not violate the Senior Residence Rule.

7. EXTENSION WORK.

Not more than 25 per cent of the credits required for the bachelor's degree may be gained by extension.

Not more than twelve semester credits of extension work done by a student during one calendar year will be accepted by the University, unless it may be definitely shown that the work has been done under conditions where the student has been engaged in full time study and has not been otherwise employed. This includes extension work done in other institutions.

Students are limited to twelve semester credits of extension work during the senior year.

A student lacking twelve semester credits or less of graduation may not offer more than six of the last twelve credits by extension.

Students may not satisfy in excess of one-half the requirements for a major by extension courses.

8. APPLICATION FOR A DEGREE.

Students who expect to complete their work for a degree during the first term should make formal application in the Office of the Registrar during the first week of the term. Candidates for degrees entering the second term must file application not later than Friday, July 21. No applications for graduation in August will be received after this date. The student is responsible for making application for the correct degree. That is, if a student is working for the degree, Bachelor of Arts in Education, he should apply for this degree and not make application for the degree, Bachelor of Arts granted in the College of Arts and Sciences. If, for any reason, a student does not receive the degree at the time indicated on the application, it will be necessary for him to file another application, as the University is not responsible for carrying over applications from one session to another.

NOTE TO STUDENT.—In the rush of work it may be impossible to take into consideration all the elements that enter into your problem. Your record will be checked according to the above outline and you will bear the responsibility of having satisfied the requirements outlined above.

### COLLEGE OF ARTS AND SCIENCES

The college courses are planned to meet the needs of various classes of students. They may be listed under the following heads:

1. General cultural courses with majors and fields of concentration, leading to the degrees of A. B. and B. S.

2. Professional courses in industrial chemistry, leading to the degree of B. S. in Industrial Chemistry; in journalism, leading to the degree of A. B. in Journalism; in music, leading to the degree of B. S. in Music; and in bacteriology, leading to the degree of B. S. in Medical Technology.

3. Professional courses in which the general requirements for the A. B. and B. S. degrees are fulfilled.

4. Pre-professional courses meeting the requirements for admission to professional schools.

5. Combined courses, by means of which students may save a year or more in gaining both the A. B. or B. S. and a degree in Agriculture, Engineering, Law, Education, Commerce, Medicine, Dentistry.

6. Graduate courses leading to the Master's and Doctor's degrees in the Graduate School.

*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—Lower Division*

GENERAL REQUIREMENTS

Matriculation Lectures	.3 credits
Military Science (Men)	5.6 credits
Physical Education	2.8 credits
Hygiene	1.0 credit
English	*6 to 12 credits

GROUP REQUIREMENTS. 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. Social Studies, 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.

\* 12, if only 3 units entrance.

*Upper Division—Junior and Senior Years*

**FIELD OF CONCENTRATION.** Forty credits are to be elected subject to the approval of the student's adviser and the Dean of the College, and must be in courses not open to freshmen.

**MAJOR.** At least 15 credits of the required 40 field credits must be in one department, the major department, exclusive of courses open to freshmen. However, the major department may require more than the minimum 15. A minimum of 6 credits is required as a prerequisite for a major in any department. A *Topical Major* is also offered, which is not confined to one department or field.

**THE FOUR GENERICALLY RELATED FIELDS ARE:** 1. Literature, Philosophy and the Arts. 2. Social Studies. 3. Physical Sciences. 4. Biological Sciences.

**TUTORIAL WORK AND COMPREHENSIVE EXAMINATIONS.** Students majoring in the departments of Anatomy and Physiology, Ancient Languages, Art, Economics, Geology, German, Journalism, Mathematics and Astronomy, Music, Philosophy, Physical Education, Physics, Political Science, Romance Languages, Social Work, Sociology, and Zoology will be required to schedule tutorial courses as specified by their major departments and to take final comprehensive examinations covering their major work. Passing the comprehensive examinations is a prerequisite for graduation for major students in these departments.

**RESIDENCE RULE.** The last semester of the senior year must be spent in residence in this college. The last year must be spent in residence at the University.

**COLLEGE OF AGRICULTURE**

**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	47.0 credits
Prescribed subjects, agriculture	33.3 credits
Electives required in agriculture	29.0 credits
Free electives	30.0 credits
	<hr/>
Total	139.3 credits

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 24. The free electives may be in agriculture or in any department in the University, thus giving the student ample opportunity to become acquainted with many fields of knowledge.

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. Upon recommendation of the department in which a student is majoring, the Dean may permit work in the field of the student's major interest to be substituted for farm experience.

The College of Agriculture offers opportunity for major work in the following fields: Agricultural entomology, animal husbandry, crops, dairying, extension, farm economics, farm engineering, high school teaching, general horticulture, ornamental horticulture, markets and rural finance, plant pathology, poultry and soils.

The Federal Vocational Education Act passed by Congress in 1917 makes provision for the training of teachers of vocational education in agriculture for schools below college grade. The University of Kentucky has been designated as one of the institutions in the state to train white teachers for this work.

Students who complete the work for a bachelor's degree in agriculture and who present fifteen credits in education meeting the approval of the staff in agricultural education will be entitled to a state certificate to teach agriculture on a vocational basis in the public schools of Kentucky.

#### HOME ECONOMICS

To receive the degree of Bachelor of Science in Home Economics a student must complete 133.7 credits of work with a standing of 1.

These credits are classified as follows:

Prescribed non-home economics	58.8 credits
Prescribed home economics	45.0 credits
Assemblies	.9 credits
Electives required in home economics	4.0 credits
Free electives	25.0 credits
	<hr/>
Total	133.7 credits

The curriculum as outlined is for the student who desires a general course. With the proper electives, it offers opportunity for training for any one of the many phases of home economics. Major work may be taken in the following fields: Home economics education, dietetics and institution management, textiles and clothing, child care and development, general home economics, and extension work in home economics. Students who complete the work for a bachelor's degree in home economics and who present fifteen credits in education meeting the approval of the staff in home economics education will be entitled to a certificate to teach home economics on a vocational basis in the public schools of Kentucky.

#### COLLEGE OF ENGINEERING

*Organization.* The College of Engineering embraces the following departments: Civil Engineering, Engineering Drawing, Electrical

Engineering, Engineering Mechanics, Mechanical Engineering, and Mining and Metallurgical Engineering.

*Admission.* For admission to the freshman class in the College of Engineering, applicants should present one and one-half units in Algebra, and one-half unit in Solid Geometry, other requirements being the same as specified for admission to the freshman class in general. Applicants meeting all of the general requirements, but deficient in Algebra or Solid Geometry, will be admitted to the freshman class, but will be required to take extra courses designed to remove the deficiencies. It is desirable, but not obligatory, that applicants also have high school credit in Chemistry, Physics, and Trigonometry.

*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 Electrical Engineering  
Bachelor of Science in Mechanical Engineering  
Bachelor of Science in Metallurgical Engineering  
Bachelor of Science in Mining Engineering

The courses of study leading to these degrees are identical during the freshman year. This gives the student the benefit of one year of training in fundamental subjects before he is required to choose among the different fields.

#### COLLEGE OF LAW

The Summer Session in the College of Law consists of two five-week terms, each of which is complete in itself, although some courses are offered which continue throughout the session.

The Summer Session is a regular part of the work of the school, and the same quantity and quality of work is required as in the regular session. An effort has been made to provide a full program, not only for the beginning students, but also for those who have completed part of a law course. Approximately one-third of the year's work can be completed in a Summer Session so that by attending three Summer Sessions a student may complete the full three-year course in two calendar years.

The courses in the College of Law for the Summer Session are planned with special reference to three types of students. First, students who desire to shorten the three-year period by study during the summer; second, public school teachers who desire to know something about the law either for their own benefit or for the purpose of advising students; third, lawyers, probate judges, and prosecuting attorneys who desire either to complete their work for a degree or to become acquainted with recent developments of the law.

## COLLEGE OF EDUCATION

The College of Education is authorized to grant two degrees: A Bachelor of Arts in Education and a Bachelor of Science in Education.

To be admitted to the College of Education a student shall meet the following requirements:

- a. Junior classification.
- b. A standing of at least 1 (average of C on all previous work).

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 an outline of requirements for the degree of Bachelor of Arts in Education with a major in secondary education:

1. GENERAL REQUIREMENTS	
English .....	12 credits
Science .....	12 credits
Social Science .....	12 credits
Mathematics .....	6 credits
or	
Foreign Language* .....	6-12 credits
Psychology .....	6 credits
Hygiene for Teachers .....	2 credits
Physical Education .....	1.4 credits
Military Science (Men) .....	5.6 credits
Total .....	57 to 63 credits
2. TEACHING MAJORS	
Two Teaching Majors .....	24-48 credits each
or	
One Teaching Major .....	24-48 credits
Two Teaching Minors .....	18-21 credits each
3. PROFESSIONAL MAJOR	
Introduction to Education .....	3 credits
Fundamentals of Secondary Education.....	3 credits
Tests and Measurements .....	3 credits
School Organization .....	3 credits
Directed Teaching .....	6 credits
Total .....	18 credits
4. FREE ELECTIVES .....	12 to 28 credits
5. TOTAL CREDITS REQUIRED .....	127

\* If three units or more of a single foreign language are offered for admission, six semester hours in the same language as offered for admission will be required. If two units are offered for admission, nine semester hours will be required. If one unit or less is offered for admission, twelve semester hours will be required.

## SUGGESTED FOUR-YEAR CURRICULUM FOR ELEMENTARY TEACHERS

### FRESHMAN YEAR\*\*

First Semester	Crs.	Second Semester	Crs.
Eng. 1a—English Composition	3	Eng. 1b—English Composition	3
Hist. 5a—History of U.S.	3	Hist. 5b—History of U. S.	3
P. S. 15—Problems of Citizenship	3	Psychology 1—Elem. Psych.	3
Hygiene 9—Hyg. for Teachers	2	Art—Elective	2
Music 4a—Music in Prim. Gra.	2	Music 4b—Mus. in Interm. Gra.	2
P. E. 1a—Physical Education	.7	P. E. 1b—Physical Education	.7
Science	3	Science	3
	16.7		16.7

### SOPHOMORE YEAR\*\*

First Semester	Crs.	Second Semester	Crs.
Eng. 3a—Survey of Eng. Lit.	3	Art 10—Public School Art	2
Geol. 24a—Elements of Geog.	3	English 3b—Survey of Eng. Lit.	3
Psych. 7—Child Psychology	3	Geol. 24b—Elements of Geog.	3
Science	2	Science	2
P. E. 14—Plays and Games	2	Elective	6
Elective	3		
	16		16

### JUNIOR YEAR

First Semester	Crs.	Second Semester	Crs.
Ed. 44—Fund. of Elem. Ed.	5	Soc. 2—Modern Soc. Prob.	3
Ed. 42—Teaching Arithmetic	3	Ed. 172—Teaching Reading	3
Econ. 15—Applied Economics	3	Ed. 20—Industrial Arts	2
H. E. 16—Elementary Nutrition	3	Ed. 196—Teaching Science	3
Hist. 40—Hist. of Kentucky	2	Elective	5
	16		16

### SENIOR YEAR

First Semester	Crs.	Second Semester	Crs.
Ed. 173—Children's Lit.	3	*Ed. 133—Directed Teaching	3
*Ed. 133—Directed Teach. in Elem. Grades (either semester)	10	(either semester)	10
Ed. 118—Tests and Meas. for Ele. Teachers	2	Zool. 108b—Hereditv	2
Electives	0	Electives	3
	15		15

\* The student may take only 6 credits in addition to Educ. 133, and these classes must come either at the first hour or late afternoon. Students having 3 credits in practice teaching take Educ. R133, 6 credits.

Kindergarten majors omit Educ. 196 and take the following courses:

Ed. 174—Pre-School Theory and Management (junior year).

Ed. 176—Pre-School Organization and Teaching (junior year).

Kindergarten majors may substitute a music elective course for Music 4b.

\*\* The first two years of this curriculum are included here merely for guidance of the student. Before admission to the College of Education the student must be classified as a junior with a standing of one and should have completed as many as possible of the requirements specified in the freshman and sophomore years of this curriculum.

## COLLEGE OF COMMERCE

The degree of Bachelor of Science in Commerce is conferred upon students who meet the requirements of any one of the four curricula offered by the College of Commerce. The minimum number of credits required for graduation under the General-Business Curriculum, the Combined Commerce-Law Course and the Secretarial-Training Course, is 127, while under the Industrial-Administration Curriculum it is 142. The scholarship standing must be at least "1". Unless two units in the ancient or foreign languages are offered for entrance, one year of language in college is required for graduation under all curricula except the Industrial-Administration. Regardless of these minimum requirements all commerce students are urged to take one year of foreign 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.* (See general admission requirements, page 23.) 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.

*Residence Credit.* A graduate student must carry at least four credits in each term of the Summer Session to be entitled to full residence credit for that term.

*Applications for Graduate Degrees.* Applications for degrees must be made at least four weeks before the date of commencement. These applications are made at the office of the Registrar of the University.

*Requirements for the Master's Degree.* A candidate for the degree of Master of Arts or Master of Science is required to complete 24 credits of graduate work of which two-thirds is in a major and one-third in a minor field, spend a full year in residence, present an acceptable thesis, have a reading knowledge of one modern foreign language and pass a final oral examination. He must maintain a standing of 2.

*Requirements for Professional Degrees.* The professional degree of M. A. or M. S. in Education, or M. S. in Agriculture, Home Economics, and Engineering may be secured with the same requirements except that there is no language requirement and that with the permission of the department concerned, 12 additional credits and 12 additional weeks may be offered in lieu of a thesis.

*General Requirements for a Master's Degree.* All candidates for

any master's degree must have completed the equivalent of a B. A. or B. S. degree in a fully accredited institution. Part-time residence either during a regular semester or in the Summer Session is computed on the basis of one and one-half weeks of residence for each credit earned. No credit for advanced degrees is allowed for correspondence or extension work and no transferred credits are accepted toward a master's degree.

*General Requirements for the Doctor's Degree.* The degree of Doctor of Philosophy is offered with major work in the following departments: Chemistry, Education, Economics, History, Mathematics, Physics, Psychology, and Political Science. Minor work may be carried in any department offering graduate courses.

The degree of Doctor of Philosophy is conferred upon a candidate who, after completing not less than three years of graduate work devoted to the study of a special field of knowledge, satisfies the language requirements, passes the required examination in the subjects, presents a satisfactory dissertation, and is deemed worthy of recognition as a scholar of high attainments in his chosen province.

The Doctor's degree is intended to represent not a specified amount of work covering a specified time, but the attainments through long study of independent and comprehensive scholarship in a special field. Such scholarship should be shown by the candidate's thorough acquaintance with present knowledge in his special field of learning and a marked capacity for research.

A minimum of three collegiate years of resident graduate work, of which at least the last year must be spent at the University of Kentucky, is required for the doctorate. The full time of each of these years must be spent in study. Part-time students and those holding assistantships or engaging in other outside activities will of course be required to take a proportionately longer time.

While it is expected that a well prepared student of good ability may secure the degree upon the completion of three years of study, it should be understood that this time requirement is a minimum and is wholly secondary to the matter of scholarship. Neither time spent in study, however long, nor the accumulation of facts, however great in amount, nor the completion of advanced courses, however numerous, can be substituted for independent thinking and original research.

Work done in other institutions of learning may be accepted toward the doctorate at the University of Kentucky but no work is credited which has not been done in a college or university of recognized standing or in a research laboratory.

## SCHEDULE OF LECTURES AND RECITATIONS

### EXPLANATIONS AND ABBREVIATIONS

Colleges are arranged according to the order of their establishment 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; AC, Art Center; AE, Agricultural Engineering; Agr., Agriculture; AG, Alumni Gymnasium; Arm., Armory; B, Basement (F. H.); B. H. Boyd Hall; BS, Biological Science; D, Dairy; E, College of Education and Associated Schools; Eng., Engineering; ES, Experiment Station; FEL, Farm Engineering Laboratory; FH, Frazee Hall; GA, Gym Annex; HB, Health Building; KH, Kastle Hall; LB, Law Building; McVH, McVey Hall; M, Mining; Mem., Memorial Hall; ML, Mining Laboratory; Mus., Museum; NH, Neville Hall; NS, New Shop; Pence, Pence Hall; PH, Patterson Hall; RL, Research Laboratory; S, Science; S. Eng., South Engineering; SF, Stoll Field; SL, Serum Laboratory; SP, Stock Judging Pavilion; UL, University Library; WG, Women's Gymnasium; WH, White Hall.

### RECITATION HOUR

*First Hour	7:00— 8:15
Second Hour	8:25— 9:40
Third Hour	9:50—11:05
Fourth Hour	11:15—12:30

### NOON HOUR

Fifth Hour	1:30— 2:45
Sixth Hour	2:55— 4:10
Seventh Hour	4:20— 5:35

Only courses marked with an asterisk are open to freshmen.

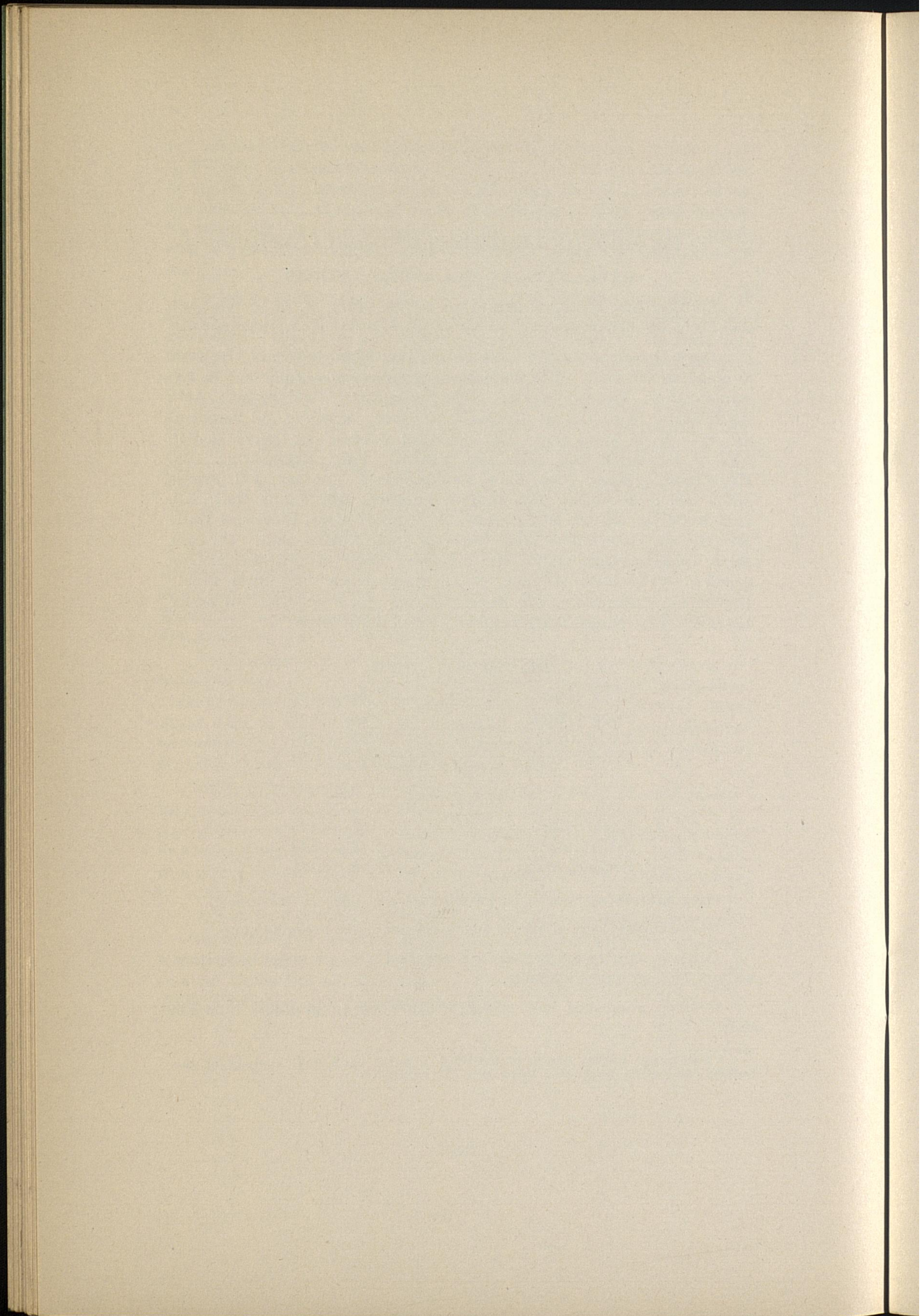
Only courses with numbers below 100 are open to sophomores.

Courses with numbers between 100 and 200 are open to juniors, seniors and graduate students.

Courses numbered 200 or above are open to graduate students only.

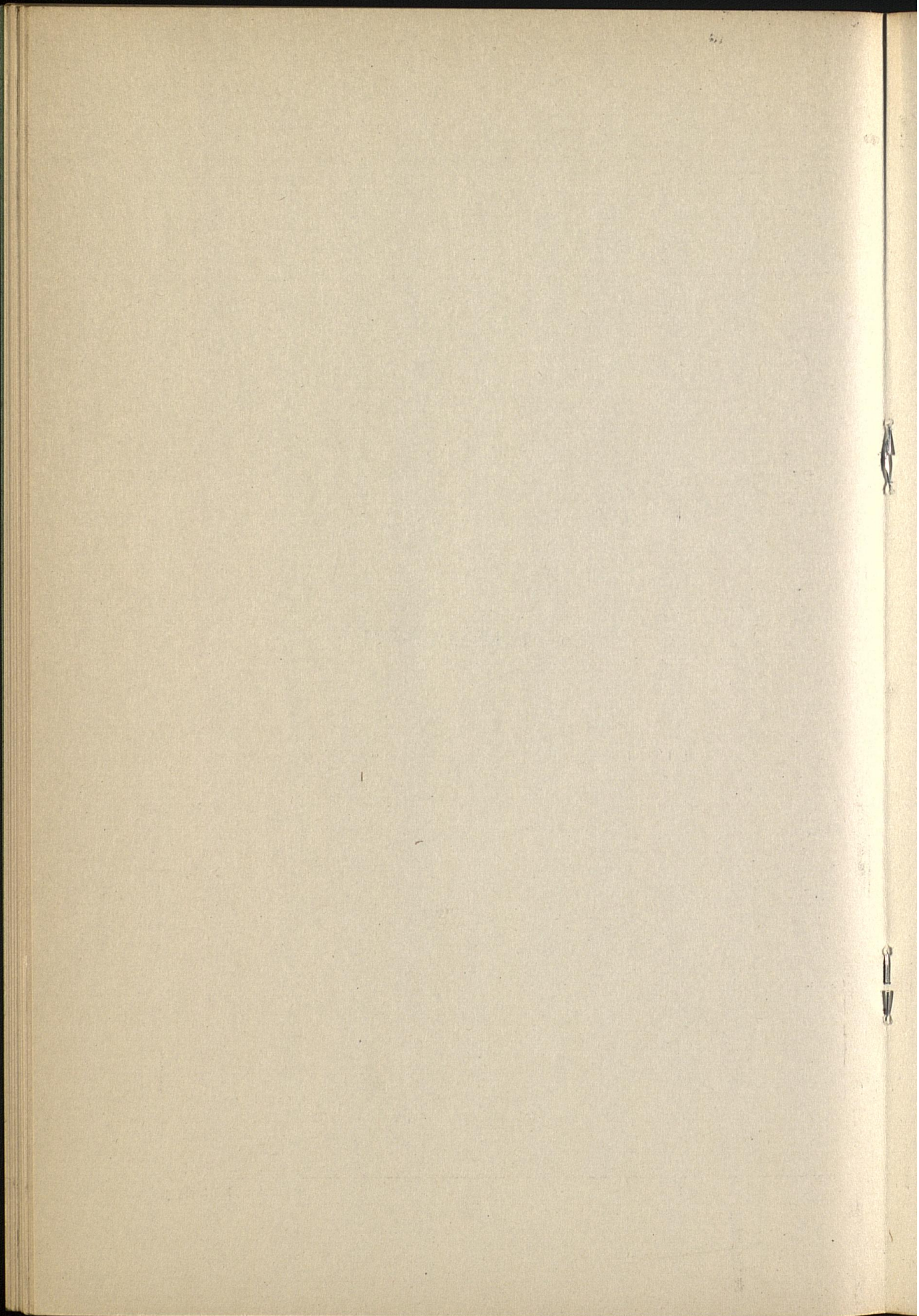
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\* Two-hour courses are held for fifty minutes each day, instead of the regular recitation hour of 1 hour and 15 minutes.





FIRST TERM



**FIRST TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
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**ANATOMY AND PHYSIOLOGY**

**Requirements for a Major. Prerequisites:** Junior standing; Anatomy and Physiology 1a and 1b; Zoology 1a and 1b; Physics 1a and 1b. **Required:** Anatomy and Physiology 116a and 116b with the comprehensive examination, and a minimum of 14 additional credits in Anatomy and Physiology.

**Requirements in Field of Concentration.** Forty credits of advanced work in the field of Biological Sciences, including the major work.

Note.—For combined Arts-Medicine course see catalog, or consult your dean.

1a	General Physiology .....	3	2	D	S	205	Allen
	The following courses not open to freshmen and sophomores:						
106	Introduction to Endocrinology.. (Designed for Teachers.)	3	3	D	S	205	Allen
R109	Application of Physical Principles to the Human Body.....	2	{ 11:15- 12:05 }	} D	S	205	Allen
	The following course is open to graduate students only:						
201a	Research in Physiology .....	5	By Appt.	D	RL	105	Allen

**ANCIENT LANGUAGES**

**Requirements for a Major. Prerequisites:** First two years of college Latin. **Required:** A minimum of 15 credits of Ancient Languages, plus 16a, b, comprehensive examination.

**Requirements in Field of Concentration.** Forty credits in the field of Literature, Philosophy, and the Arts, including the major work.

*1, *2, *3, *4, *5, *6	Beginning Latin, Caesar, Cicero, Virgil, Livy, Horace..	3	1	D	A	303	Jones
	The following courses not open to freshmen and sophomores:						
109a, b	Latin Literature (Selections)....	3	1	D	A	303	Jones
121	Survey of Roman Civilization (in English) .....	3	3	D	A	303	Jones
150a	Teacher's Course in Latin (Based on first year's work)	3	3	D	A	303	Jones

**ANTHROPOLOGY AND  
ARCHAEOLOGY**

The following course not open to freshmen and sophomores:

105	Ethnology .....	2	3	D	McVH	111	Funkhouser
102	Kentucky Archaeology .....	2	2	D	PENCE	103	Haag

**ART**

**Requirements for a Major. Lower Division:** Ten credits in Drawing, Introduction to Art, History of Art. **Upper Division:** Twenty-one credits minimum—9 to 12 credits in studio courses, 9 to 12 credits in History of Art courses, and 2 credits in Senior Seminar in preparation for a final comprehensive examination in Art.

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
<b>ART—Continued</b>							
<p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work including Art, in field of Literature, Philosophy, and the Arts. Majors in Art are expected to acquire a reading knowledge of French or German.</p>							
*61a, b	Drawing .....	3	5, 6, 7, 8	D	AC	19	Rannells
63a, b	Intermediate Drawing .....	3	5, 6, 7, 8	D	AC	19	Rannells
65a, b	Painting .....	3	5, 6, 7, 8	D	AC	19	Rannells
<p>(Note.—Three-credit courses in Drawing and Painting will require 24 hours of studio work per week for the summer term of five weeks; they may also be scheduled as two-credit courses requiring 16 hours per week.)</p>							
R47	Art in America .....	2	1	D	AC	18	Rannells
R157	Art in Secondary Schools .....	2	2	D	AC	18	Rannells
<b>BACTERIOLOGY</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Chemistry 1a and 1b; Bacteriology 2b, 52 or 102. <b>Required:</b> Two credits in Seminar, plus an additional 13 credit-hours of advanced work in Bacteriology, including Bacteriology 125.</p>							
<p><b>Requirements in Field of Concentration.</b> Forty credits in Biological Sciences Field, including the major work.</p>							
<p><b>Medical Technology Course.</b> A four-year course leading to the degree B. S. in Medical Technology is offered which is designed to prepare men and women for positions in hospital laboratories, physicians' and surgeons' clinics, and federal, state and municipal laboratories and to fit the especially adapted student for either commercial or research laboratory work in Bacteriology. It also meets all the requirements of the United States Civil Service Commission for the rank of Junior Bacteriologist (30 credits in Bacteriology).</p>							
<p>The University of Kentucky is registered as an approved school for laboratory technicians by the Board of Registry of the American Society of Clinical Pathologists, and by the Council on Education of the American Medical Association. Graduates of this course who may desire to enter medical school will have all the requirements of the American Medical Association and the Association of American Medical Colleges for entrance to all Class A medical schools, provided they take two years of foreign language.</p>							
56 <sub>1</sub>	Bacteriology of Foods, Lec.....	4	{ 3	D	KH	B14	Weaver
56 <sub>2</sub>	Bacteriology of Foods, Lab.....		{ 4	D	BS	200	Weaver
<p>The following courses not open to freshmen and sophomores:</p>							
102 <sub>1</sub>	General Bacteriology, Lec. ....	4	{ 7:00-7:50	D	McVH	111	Scherago
102 <sub>2</sub>	General Bacteriology, Lab. ....		{ 7:50-9:40	D	BS	200	Weaver
102 <sub>3</sub>	General Bacteriology, Lab. ....		{ 1:30-3:20	D	BS	200	Wright
103 <sub>1</sub>	Pathogenic Bacteriology, Lec. ....	4	{ 2	D	KH	B13	Wright
103 <sub>2</sub>	Pathogenic Bacteriology, Lab. ....		{ 3	D	BS	208	Wright
104	Applied Bacteriology, Lab. ....	2	By Appt.	D	BS	200	Wright
110a	Laboratory Diagnosis .....	3	By Appt.	D	BS	208	Scherago
<p>The following courses open to graduate students only:</p>							
201a	Research in Bacteriology .....	5	By Appt.	D	BS		Weaver
203a <sub>1</sub>	Public Health Bacteriology, Lec. ....	3	By Appt.	D	KH	B13	Scherago
203a <sub>2</sub>	Public Health Bacteriology, Lab. ....						
			By Appt.	D	BS	208	Scherago

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor			
<b>BACTERIOLOGY—Cont.</b>										
206 <sub>1</sub>	Bacteriology of Foods, Lec.....	4		D	KH	B14	Weaver			
206 <sub>2</sub>	Bacteriology of Foods, Lab.....						By Appt. D	BS	200	Weaver
<b>BOTANY</b>										
Requirements for a Major. Prerequisites: Botany 1a, 1b. Required: Botany 6, 15, 19, 103, 125a, 125b; a minimum of 20 credits of advanced work in Botany.										
Requirements in the Field of Concentration. Forty credits in the field of Biological Sciences, including the major work in courses not open to freshmen.										
*1a <sub>1</sub>	General Botany (Lec. & Rec.)	4	2	D	M	203	McFarland			
*1a <sub>2</sub>	General Botany (Lab.)						3	D	M	203
15	Local Flora (Plant Identification)	3	3	D	M	202	McFarland			
An occasional field trip will be made.										
The following course not open to freshmen and sophomores:										
114	Ecology	4	2	D	M	206	McInteer			
Note.—Other advanced courses may be offered, provided sufficient number of students apply for same.										
<b>CHEMISTRY</b>										
Requirements for a Major. Prerequisites: Junior standing; Chemistry 1a, 1b, 4, 8. Required: Chemistry 109, 127a, 127b, and either 101 or 131a and 131b.										
Requirements in Field of Concentration. Forty credits of advanced work in the field of Physical Sciences, including the major work.										
Note.—For outline of course leading to degree of "B. S. in Industrial Chemistry" consult University catalog.										
*1a	General Inorganic Chemistry	5	1, 2, 3	D	KH	101 201 209	Mitchell			
4	Qualitative Analysis (Prereq. Chemistry 1b.)	4	1, 2, 3	D				KH	111 B1	Stewart
6	Qualitative Analysis for Engr. (Prereq. 1b or 2b.)	4	1, 2, 3	D						
7	Organic Chemistry (Prereq. Chemistry 1b.)	4	1, 2	D	KH	214 215	Barkenbus			
The following courses not open to freshmen and sophomores:										
103	Qualitative Organic Analysis (Prereq. Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus			
106	Advanced Organic Chemistry (Prereq. Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus			
107	Selected Prob. in Quant. Anal. (Prereq. Chemistry 109.)	5	By Appt.	D	KH	113	Stewart			
The following courses open to graduate students only:										
202	Quant. Analysis Research (Prereq. Chemistry 107.)	5	By Appt.	D	KH	113	Stewart			

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>CHEMISTRY—Cont.</b>							
204a	Organic Chemistry ..... (Prereq. Chem. 103 or 106.)	5	By Appt.	D	KH	215	Barkenbus
204b	Organic Chemistry ..... (Prereq. Chemistry 204a.)	5	By Appt.	D	KH	215	Barkenbus
<b>ECONOMICS</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Junior standing; six credits in Economics, including Course 1. <b>Required:</b> A minimum of 17 credits of advanced work in Economics including Course 9, if not taken as a prerequisite, and Courses 102 or 130, 104 or 124 and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics courses numbered above 100. In addition, tutorial Courses 16 a and b must be taken in the senior year to prepare for the required comprehensive examination.</p> <p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Social Studies, including the major work.</p>							
*3	Econ. History of the U. S. ....	3	2	D	WH	303	Jennings
1	Principles of Economics .....	3	4	D	WH	303	Ketchum
7a	Prin. of Accounting, Rec. ....	4	1	D	WH	306	Beals
	Prin. of Accounting, Lab. ....						
The following courses not open to lower division students:							
105	Money and Banking ..... (Prereq. Course 1.)	3	2	D	WH	102	Carpenter
107	Statistical Method .....	3	6	D	WH	401	Palmer
141	Managerial Statistics .....	3	By Appt.	D	WH		Palmer
143	Life Insurance .....	3	3	D	WH	303	Carpenter
The following course open only to graduate students:							
203	History of Economic Thought....	3	4	D	WH	205	Wiest
<b>ENGLISH</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Junior standing; English 1a, 1b, 3a, 3b. <b>Required:</b> A minimum of 18 credits of advanced work in English.</p> <p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Literature, Philosophy and the Arts, including the major work.</p>							
*1a	English Composition .....	3	1	D	McVH	210	Fithian
*1b	English Composition .....	3	2	D	McVH	210	Fithian
3a	History of English Literature ..	3	3	D	McVH	210	Nuckols
7a	Elements of Public Speaking....	3	1	D	McVH	230	Sutherland
20	Speech Training .....	3	2	D	McVH	230	Sutherland
S30 <sub>1</sub>	Business English .....	3	1	D	McVH	207	Cutler
S30 <sub>2</sub>	Business English .....	3	3	D	McVH	207	Cutler
The following courses not open to freshmen and sophomores:							
102	History of English Language....	3	4	D	McVH	211	Dantzler
111b	English Novel after Scott .....	3	2	D	McVH	200	Knight
123a	American Literature before 1860	3	3	D	McVH	200	Knight
143	Edgar Allan Poe .....	3	3	D	McVH	231	Farquhar

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>ENGLISH—Continued</b>							
210a	The following course open to graduate students only: Seminar .....	3	4	D	McVH	231	Farquhar
<b>GEOLOGY</b>							
Requirements for a Major. Prerequisites: Geology 22a, 22b. Required: Geology 9a, 9b, 26a, 26b, 101a, 101b, 104a, 104b, 106a, 106b, 123a, 123b, 118a, or 118b and 124a, 124b. Field Work: An early summer field trip, Geology 118a, or 118b is required of major students for graduation. This covers two weeks work in selected regions. Local field work is offered throughout the year, and it is recommended that all major students take a summer course in Field Geology and Geological Methods. Such courses varying from four to six weeks in length are offered by a number of institutions.							
Students majoring in Geology are required to pass a final comprehensive examination in the department.							
Requirements in the Field of Concentration. Forty credits in the field of Physical and Biological Science, including the major work in courses not open to freshmen.							
*14a	Elem. Field Geology .....	1	1-5 p. m.	W	S	203	McFarlan
*14c	Elem. Field Geology .....	1	1-5 p. m.	Th	S	203	Young
*24a	Elements of Geography .....	3	4	D	S	203	Robinson
*24b	Elements of Geography .....	3	3	D	S	203	Robinson
The following courses not open to freshmen or sophomores:							
120b	Geology of Kentucky (No Prereq.) .....	3	2	D	S	203	McFarlan
118a-d	Field Work in Regional Geology (May 30-June 18)—New England .....	2			Field		McFarlan and Young
<b>GERMAN LANGUAGE AND LITERATURE</b>							
Requirements for a Major. Prerequisites: Junior standing; German 1a, 1b, 2a, 2b. Required: German 3a, 3b, 101a, 101b, 102a, 102b, 120a, 120b, 130a, 130b.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work. Major students are required to enroll in tutorial courses during the junior and senior years and to pass a final comprehensive examination.							
Note.—No credit for German 1a until 1b has been passed.							
*1a	Elementary German .....	3	2	D	A	204	Bigge
*1b	Elementary German .....	3	2	D	A	204	Bigge
2a	Intermediate German .....	3	3	D	A	204	Bigge
2b	Intermediate German .....	3	3	D	A	204	Bigge
3a	Selected Readings .....	3	By Appt.	D	A	204	Bigge
6a	Scientific German .....	3	By Appt.	D	A	204	Bigge
The following courses not open to freshmen and sophomores:							
101a	Nineteenth Century Literature..	3	By Appt.	D	A	204	Bigge
105a-d	Independent Work .....	3	By Appt.	D	A	204	Bigge

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
<b>HISTORY</b>							
<b>Requirements for a Major. Prerequisites:</b> History 2a, 2b, or 4a and 4b, or 5a and 5b. <b>Required:</b> A minimum of 20 credits of advanced courses in History. Should include the Senior Seminar.							
<b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Social Studies, including the major work.							
*5a	History of the U. S. to 1860.....	3	3	D	FH	301	Clark
40	History of Kentucky .....	2	2	D	FH	301	Clark
Not open to lower division students:							
106a	Colonial Latin America .....	2	2	D	FH	304	Knapp
R114	Renaissance in the South .....	2	1	D	FH	202	Tuthill
199	World Affairs from the Franco-Prussian War to the Munich Conference .....	2	3	D	E	Aud.	Barnes
(June 12-June 28.)							
121	Social and Economic Factors in Contemporary Civilization ....	3	2:30-4:30	D	E	Aud.	Barnes
(June 12-June 28.)							
R175	The Succession States .....	2	1	D	FH	204	Dupre
R177	Germany since 1870 .....	2	4	D	FH	204	Dupre
R180	History of the New South .....	2	4	D	FH	301	Clark
Open only to graduate students:							
300	Seminar in American Diplomacy	3	2	D	FH	204	Dupre
315b	Henry Clay (and his times).....	3	4	D	FH	304	Knapp
<b>HYGIENE AND PUBLIC HEALTH</b>							
<b>Requirements for a Major. Prerequisites:</b> Junior standing; 12 credits in Biological Sciences. <b>Required:</b> Bacteriology 103, a minimum of 15 credits of advanced work in Hygiene and Public Health.							
<b>Requirements in the Field of Concentration.</b> Forty credits in the field of Biological Sciences and Social Studies (Sociology, Psychology, Political Science), including the major work, in courses not open to freshmen.							
*1	Personal and Community Health .....	1	1	D	McVH	128	Heinz
*9	Hygiene for Teachers .....	2	4	D	McVH	128	Heinz
†The following courses open to public health nurses:							
R100a	Public Health .....	2	3	D	HB	205a	Chambers
104	Maternal and Child Health .....	2	2	D	HB	102	Griffin
R110	Health Education and Health Supervision of Schools .....	2	2	D	HB	205a	Heinz
R118	Vital Statistics .....	2	3	D	HB	205	Heinz
120a, b	Mental Hygiene .....	3	2	D	NH	304	Ratliff
124a	Public Health Nursing .....	3	4	D	HB	205	Rood
124b	Public Health Nursing .....	3	2	D	HB	205	Rood
125a	County Health Practice .....	2		By Appt.	HB	205	Cawood
125b	County Health Practice .....	3		By Appt.	HB	205	Cawood, Rood
130	Deficiency Diseases and Nutrition .....	2	1	D	HB	205	Gambill

\* Open to freshmen.

† All courses for public health nurses are scheduled on a five-week basis.



**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	<b>HYG. &amp; PUB. HEALTH—Cont.</b>						
	The following courses open to public health officers:						
200	Epidemiology .....	3	2-4 p. m.	MTWTh	HB	102	Chambers
212a	Public Health Administration...	3	10-12 a. m.	MTThF	HB	102	Mustard
212b	Public Health Administration...	2	10-12 a. m.	WS	HB	102	Mustard
218a	Vital Statistics .....	3	8-10	MWFS	HB	102	Fertig
225a	County Health Practice .....	3		By Appt.			Cawood
225b	County Health Practice .....	2		By Appt.			Cawood
290	Seminar .....	1	2-4 p. m.	F	HB	102	Staff
	<b>JOURNALISM</b>						

**Requirements for a Major. Prerequisites:** Journalism 1a, b, and 11 or 12. **Required:** Journalism 104a, b, 105, 106, 107, 108, and 90a, b. Major students are required to enroll in the tutorial course during the senior year and to pass a final comprehensive examination in Journalism.

**Requirements in the Field of Concentration.** Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work.

**The Degree of A. B. in Journalism.** Two sequences leading to the degree of A. B. in Journalism are outlined in the general catalog.

*1a	Reporting .....	3	2	D	McVH	54	McLaughlin
	The following courses not open to lower division students:						
110	Supervision of High School Publications .....	3	2	D	McVH	50	Portmann
112	Critical Writing for the Press..	3	3	D	McVH	54	McLaughlin
118	Publicity for Schools and Social Service Agencies .....	3	4	D	McVH	50	Portmann

**LIBRARY SCIENCE**

The Department of Library Science affords opportunity for students in the College of Arts and Sciences to gain the A. B. degree with Library Science as a major; for students in the College of Education to gain the A. B. in Education or B. S. in Education degree with Library Science as a second major, as outlined in the "Suggested Curriculum for Teacher Librarians" of the College of Education. The graduate student receives a certificate for completion of 30 credit-hours.

**Requirements for a Major. Prerequisites:** Senior or graduate standing, good cultural background, especially in Literature, Language and the Social Sciences. Students desiring to enter Library Science courses should consult early in their college course with the Director concerning preparation for matriculation. Previous experience in library work and facility in the use of the typewriter are considered assets. **Required Courses:** Thirty credits or full curriculum advised.

**Requirements in Field of Concentration.** Forty credits of advanced work in the field of Literature, Philosophy, and the Arts (or acceptable equivalent), including the major work.

The following general course not open to lower division students:

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>LIBRARY SCIENCE—Cont.</b>							
(Designed for the teacher or teacher-librarian. Acceptable to State Department on the six-hour requirement for teacher-librarians.)							
S105	Reading Guidance .....	3	1	D	UL	314	Wofford
The following professional courses open to senior and graduate students:							
126	Place, Function, Administration of High School Library..	3	3	D	UL	314	Wofford
128	Children's Literature .....	2	3	D	UL	411	Young
129a	Classification and Cataloging....	3	2	D	UL	314	Semmons
132	Library Work with Children.... (Prereq. 126 advisable.)	2	4	D	UL	314	Young
144	Library Records and Methods.. (Prereq. 126 advisable.)	2	5	D	UL	314	Durst
150a	Book Selection .....	3	1	D	UL	411	Durst
<b>MATHEMATICS AND ASTRONOMY</b>							

**Requirements for a Major. Prerequisites:** Junior standing; Courses 2, 17, 18, 19, 20a. **Required:** A minimum of 18 credits of advanced work in Mathematics, including one course in Algebra, one in Geometry, one in Analysis, and one in Applications. Major students are required to enroll in tutorial courses during the junior and senior years and to pass a final comprehensive examination in Mathematics.

**Requirements in Field of Concentration.** Forty credits of advanced work in field of Physical Sciences, including the major work.

*S14	Math. of Finance .....	4	7:00-8:40	D	McVH	104	LeStourgeon
*17	College Algebra .....	3	2	D	McVH	129	Boyd
20a	Differential Calculus .....	4	7:25-9:05	D	McVH	106	Latimer
Not open to lower division students:							
16a-d	Tutorial Work in Math. ....	1	By Appt.		McVH		Staff
R105a	Differential Equations .....	2	8:50-9:40	D	McVH	104	LeStourgeon
110a-f	Independent Work in Math. ....	3	By Appt.		McVH		Staff
119	Modern Geometry .....	3	3	D	McVH	129	Boyd
Open to graduate students only:							
R207a	Theory of Numbers .....	2	{ 11:15- 12:05	D	McVH	106	Latimer
<b>MUSIC</b>							

**Requirements for a Major. Prerequisites:** Junior standing; Music 33a-b; Applied Music, 6 credits; Psychology 1. **Required:** A minimum of 15 credits of advanced work in Music to be selected from Music 4a-b, 34a-b, 12a-b, 13a-b, 19a-b, 26 and 42. Comprehensive examination required.

**Requirements in Field of Concentration.** Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work.

(Outline for B. S. in Music outlined in General Catalog.)

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>MUSIC—Continued</b>							
*R9a	Organization and Training of Musical Groups (Strings) .....	1	1	D	AC	8	Lampert
*R9b	Organization and Training of of Musical Groups (Brass) ....	1	3	D	AC	24	J. Lewis
*R9c	Organization and Training of Musical Groups (Woodwinds)	1	4	D	AC	24	J. Lewis
*15a-h	Applied Music—Piano <sup>1</sup> .....	3		By Appt.	AC	1	J. Lampert
*16a-h	Applied Music—Strings <sup>1</sup> .....	3		By Appt.	AC	9	C. Lampert
*17a-h	Applied Music—Voice <sup>1</sup> .....	3		By Appt.	AC	9	Dagley
*18a-h	Applied Music—Organ <sup>1</sup> .....	3		By Appt.	Mem. Aud.		Cullis
*31a-h	Applied Music—Woodwind <sup>1</sup> .....	3		By Appt.	AC	9	J. Lewis
*32a-h	Applied Music—Brass <sup>1</sup> .....	3		By Appt.	AC	9	J. Lewis
*33a	Elementary Harmony .....	5	1, 2	D	AC	7	Allton
*39a-b	Mixed Chorus (Admittance by premission of Prof. Lampert. No credit for B. S. in Music or Music Majors) .....	1	5	D	AC	8	Lampert
4a <sub>1</sub>	Public School Music (All except B. S. in Music or Music Majors) .....	2	4	D	AC	8	M. Lewis
4a <sub>2</sub>	Public School Music (B. S. in Music and Music Majors) ....	2		By Appt.	AC	9	M. Lewis
4b	Public School Music .....	2	3	D	AC	8	M. Lewis
12a	Counterpoint and Composition ..	2		By Appt.	AC	7	Allton
13a	Form and Analysis .....	2		By Appt.	AC	7	Allton
	(Prereq. 33a, b.)						
19a	History and Appreciation of Music .....	3	2	D	AC	8	Lampert
28a	Concert Band .....	1	4 p. m.	D	AC	8	J. Lewis
34a	Advanced Harmony .....	5	3, 4	D	AC	7	Allton
	The following courses not open to lower division students:						
110a-d	Independent Work in Music.....	2		By Appt.	AC	9	Lampert
114a	Orchestration and Conducting..	2	3	D	AC	24	Lampert
133	The Function of Music in Educ.	3	2	D	E	Aud.	Vandewall
	The following courses for graduates only:						
215a-d	Applied Music—Piano <sup>1</sup> .....	3		By Appt.	AC	1	J. Lampert
216a-d	Applied Music—Strings <sup>1</sup> .....	3		By Appt.	AC	9	Lampert
217a-d	Applied Music—Voice <sup>1</sup> .....	3		By Appt.	AC	9	Lampert
218a-d	Applied Music—Organ <sup>1</sup> .....	3		By Appt.	Mem. Aud.		Cullis
228a-d	Concert Band .....	1	4 p. m.	D	AC	8	J. Lewis
<b>PHILOSOPHY</b>							

Requirements for a Major. Prerequisites: Junior standing; 6 credits in Philosophy. Required: A minimum of 15 credits of advanced work in Philosophy; Philosophy 35a, b; a comprehensive examination in the senior year.

Requirements in Field of Concentration. Forty credits of advanced work, including

\* Open to freshmen.

<sup>1</sup> Tuition for Applied Music \$25.00 for three credits; \$17.00 for two credits; practice room—organ—\$7.50; others \$2.50.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>PHILOSOPHY—Continued</b>							
the major courses, which may be elected in either (1) the field of Literature, Philosophy and the Arts, or (2) the field of Social Studies.							
21	Introduction to Philosophy .....	3	2	D	FH	205	Kuiper
The following courses not open to freshmen and sophomores:							
118	Plato and Aristotle .....	3	4	D	FH	205	Kuiper
109a-d	Independent Work in Philosophy .....	3	By	Appt.	FH	103	Kuiper
<b>PHYSICAL EDUCATION</b>							
Requirements for a Major. Prerequisites: Junior standing; Physical Education 29; 5.6 credits in Physical Education activity courses. Required: Physical Education 120, 128, 148, 60a, 60b; Psychology 7; Anatomy and Physiology 4 and 5. Minimum on major 15 credits. Comprehensive examination senior year.							
Requirements in the Field of Concentration. Forty credits of advanced work in the field of Biological Sciences, including the major work. For teacher certification requirements, check with Dean of Arts and Sciences College and Head of Department of Physical Education.							
Note.—In meeting the Physical Education requirement, students must receive credit in a different activity course each semester. Not over 5.6 credits in activity courses allowed toward graduation.							
14	Elementary Plays and Games....	2	4	D	WG		Montgomery
55	Dance Techniques and Procedures .....	2	2	D	WG		Montgomery
The following courses not open to freshmen and sophomores:							
115	History and Survey of the Dance .....	2	3	D	FH	105	Montgomery
124	History of Physical Education..	2	4	D	FH	201	Hackensmith
128	Principles and Methods of P. E.	3	2	D	FH	105	Potter
190	Technique in Officiating Athletic Contests .....	3	1	D	FH	105	Potter
The following courses open only to graduate students:							
200	Graduate Seminar in Phys. Ed.	2	3	D	FH	201	Hackensmith
203	Current Studies in the Adminis. of Phys. Ed. ....	2	1	D	FH	201	Hackensmith
<b>Recreative Activities:</b> The following activities are offered without credit or additional tuition fees to regular Summer Session students during both sessions. The activities are primarily designed for those who wish to acquire certain skill and teaching technique in the respective sports as well as to provide enjoyable recreation activities for the Summer Session. Students should sign up for the courses or course of their choice during the regular classification period or in the Physical Education office in the Gymnasium Annex during the first week.							
	Archery .....		3:00-4:00	TTh	WG		
	Badminton .....		1:30-2:30	TTh	GA		
	Bait and Fly Casting .....		3:00-4:00	MW	GA		
	Golf (Men) .....		2:00-3:00	MW	GA		
	Golf (Women) .....		3:00-4:00	MW	GA		

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
<b>PHYSICAL EDUCA.—Cont.</b>							
	Recreational Games .....		3:00-4:00	MW	GA		
	Social Dancing .....		4:00-5:00	TTh	WG		
	Tennis (Men) .....		2:30-3:30	MWF	GA		
	Tennis (Women) .....		3:30-4:30	MWF	GA		
	Tap Dancing (Men) .....		1:30-2:30	MW	WG		
	Tap Dancing (Women) .....		3:00-4:00	TTh	WG		
	Modern Dance .....		3:00-4:00	MWF	WG		
	Volley Ball (Men) .....		12-1:00	D	MG		
	Activity Course for P. E. Majors		3:00-5:00	D	MG		
<b>PHYSICS</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Junior standing; Physics 2a, 2b; Mathematics 19. <b>Required:</b> Mathematics 20a, 20b; Physics 125c; a minimum of 15 credits of advanced work in Physics, a comprehensive examination in the senior year.</p> <p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Physical Sciences, including the major work.</p>							
*1a <sub>1</sub>	Gen. Elem. Phys., Lec. ....	}	1	D	PENCE	201	Koppius
*1a <sub>2</sub>	Gen. Elem. Phys., Rec. ....		2	TThS	PENCE	309	Todd
*1a <sub>21</sub>	Gen. Elem. Phys., Lab. ....		2, 3	MWF	PENCE	305	Todd
*51a	Introduction to Physics .....	3	1	D	PENCE	201	Koppius
2a <sub>1</sub>	Gen. Col. Phys., Rec. ....	}	3	D	PENCE	206	Koppius
2a <sub>11</sub>	Gen. Col. Phys., Lab. ....		1, 2	{ MTW } { ThF }	PENCE	105	Assistant
<p>The following course not open to lower division students:</p>							
151	Atomic Physics .....	3	4	D	PENCE	206	Todd
<p><b>Other advanced courses in Physics will be offered if demand for them arises. For description of such courses consult the graduate bulletin.</b></p> <p>The following course open to graduate students in Education only:</p>							
Educ. †244	Problems in the Teaching of Physics .....	3	2	TWThF	PENCE	201	Koppius
<b>POLITICAL SCIENCE</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Junior standing; Political Science 15, 51. <b>Required:</b> At least one course in each of the five fields of Political Science; Political Science 180a and 190a; a minimum of 15 credits of advanced work in Political Science; a comprehensive examination in the senior year.</p> <p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Social Studies, including the major work.</p>							
*15	Problems of Citizenship .....	3	1	D	A	203	Blanding
*51	American Government .....	3	2	D	A	301	Shannon

\* Open to freshmen.

† Attendance in lectures of Physics 51a required.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
	<b>POLITICAL SCIENCE—Cont.</b>						
	The following courses are not open to lower division students:						
101	Latin American Relations .....	3	4	D	A	203	Blanding
159a	American Constitutional Development .....	3	2	D	A	302	Trimble
	The following course open to graduate students only:						
202	National and Regional Planning	3	4	D	A	301	Shannon
	<b>PSYCHOLOGY</b>						
	Requirements for a Major. Prerequisites: Junior standing; Psychology 1, 2a and 2b, 10, or their equivalent. Required: The student may choose as his field of concentration either the Biological or the Social Science group of subjects. In either case, 15 of the 40 credits in the field must be in courses in Psychology not open to freshmen.						
*1 <sub>1</sub>	Elementary Psychology .....	3	2	D	NH	306	Miner
1 <sub>2</sub>	Elementary Psychology .....	3	3	D	NH	306	Ratliff
	(For nurses.)						
3	Individual Differences .....	3	2	D	NH	300	Newbury
	The following courses not open to freshmen and sophomores:						
104	Social Psychology .....	3	3	D	NH	304	Dimmick
112	Genetic Psychology .....	3	1	D	NH	205	Newbury
121	Student Personnel .....	3	3	D	NH	205	Miner
122	Personality Maladjustments .....	3	4	D	NH	304	Dimmick
120	Individual Work .....	2		By Appt.	NH	200	Staff
	The following courses open only to graduate students:						
203a-b, etc.	Problems in Psychology .....	2		By Appt.	NH	200	Staff
210a-b, etc.	Research in Psychology .....	3		By Appt.	NH	200	Staff
	<b>ROMANCE LANGUAGES</b>						
	Requirements for a Major. Prerequisites: Junior standing; in French, Romance Languages 1a-b, 2a-b, 4a-b or 5a-b, 8a-b or 3a-b; in Spanish, Romance Languages 5a-b, 7a-b, 9a-b, 10a-b, 4a-b or 1a-b. Required: A minimum of 17 credits of advanced work in Romance Languages; Romance Languages 80a-b. Comprehensive examination in senior year.						
	Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy and the Arts, including the major work.						
*R1a	Elementary French .....	2	2	D	S	307	Ryland
	(Special work for students wishing to pass the examination for a reading knowledge of the language.)						
*R1b	Elementary French (Cont.) .....	2	2	D	S	307	Ryland
*R5a	Elementary Spanish .....	2	2	D	S	306	Hernandez

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>ROMANCE LANGS.—Cont.</b>							
*R5b	Elementary Spanish (Cont.).....	2	2	D	S	306	Hernandez
R2a	Intermediate French .....	2	3	D	S	307	Ryland
R2b	Intermediate French (Cont.)....	2	3	D	S	307	Ryland
3a	French Conversation and Compos. ....	2	4	D	S	307	Ryland
R7a	Intermediate Spanish .....	2	3	D	S	306	Hernandez
R7b	Intermediate Spanish (Cont.)....	2	3	D	S	306	Hernandez
10a	Spanish Conversation and Compos. ....	2	1	D	S	306	Hernandez
R9a	Spanish Novel and Drama .....	2	1	D	S	306	Hernandez
The following courses not open to freshmen and sophomores:							
R113a	Advanced French Grammar, Etc. ....	2	4	D	S	307	Ryland
R114a, b, etc.	Independent Work in R. L. ....	2	By Appt.				Staff
Note.—No credit for duplicating work done in high school. If one unit is offered take 1b or 5b. No credit for 1a or 5a until 1b or 5b is passed.							
<b>SOCIAL WORK</b>							
Requirements for a Major. Senior standing and a background in the Social Sciences and Biology. Students desiring to major in the department should consult the head of the department early in their college work concerning preparation for matriculation. Required: Thirty hours or a full curriculum advised.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Social Studies and the Biological Sciences, including courses in the major.							
The following courses not open to freshmen and sophomores:							
123	Fields of Social Work .....	3	4	D	McVH	314	Palmer
124	Case Aide Training .....	3	1	D	McVH	314	Palmer
<b>SOCIOLOGY</b>							
Requirements for a Major. Prerequisites: Junior standing; Sociology 1a, 1b. Required: A minimum of fifteen credits of advanced work in Sociology; Sociology 20a, b Comprehensive examination in senior year.							
Requirements in Field of Concentration. Credits to the number of 40 of advanced work in the field of Social Studies, including the major work.							
*1	Principles of Sociology .....	3	1	D	FH	106	Best
The following course not open to freshmen and sophomores:							
103	Criminology .....	3	2	D	FH	106	Best
<b>ZOOLOGY</b>							
Requirements for a Major. Prerequisites: Junior standing; Zoology 1a, 1b. Required: Zoology 7a, b, or 157a, b; Zoology 106; Zoology 108a, b; Zoology 114a, b; a minimum of fifteen credits of work above 1a, b; passing a comprehensive examination before graduation.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Biological Sciences, including the major.							

\* Open to freshmen.

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
<b>ZOOLOGY—Continued</b>							
11 <sub>1</sub>	Nature Study, Rec. ....	3	2	D	S	108	Allen
11 <sub>2</sub>	Nature Study, Field .....						
25	Animal Biology .....	3	3	D	S	108	Brauer
The following courses not open to freshmen and sophomores:							
101a	Histology .....	3	1, 2	D	S	5	Brauer
102 <sub>1</sub>	Ornithology, Lec. ....	3	1	D	S	108	Allen
102 <sub>2</sub>	Ornithology, Field .....						
108a	Prin. of Zoology (Evolution)....	2	4	D	McVH	111	Funkhouser

Note.—For Anthropology see Anthropology and Archaeology.

**COLLEGE OF AGRICULTURE**

<b>AGRICULTURAL ENTOMOLOGY</b>							
102	Adv. Agricultural Entomology.. (June 12 to 28.)	3	1-3	D	AE	{101 } {106 }	Townsend
<b>AGRONOMY</b>							
105	Advanced Crops .....	3	1-3	D	AE	201	Kinney
118	Kentucky Soils .....	3	1-3	D	Agr.	301	Karraker
<b>ANIMAL INDUSTRY</b>							
27	Horse Production .....	3	2	D	Agr.	304	Horlacher
31	Market Classes and Breeds.....	3	4	D	SP	101	Garrigus
107	Sheep Production .....	3	1	D	Agr.	304	Horlacher
134	Adv. Poultry Production .....	3	3	D	D	109	Ringrose
137	Dairy Cattle Breeding and Judging .....	3	1-3	D	D	113	Ely
<b>ANIMAL PATHOLOGY</b>							
R116	Diseases of Domestic Animals..	3	3	D	SP	101	Dimock
<b>FARM ENGINEERING</b>							
101a	Special Problems .....	3	1-3	D	AE	201	Young
<b>HORTICULTURE</b>							
113	Landscape Gardening .....	3	1-3	D	Agr.	301	Elliott

\* Open to freshmen.



**FIRST TERM—SUMMER 1939**  
**COLLEGE OF AGRICULTURE—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
<b>HOME ECONOMICS</b>							
16	Elementary Nutrition .....	3	3	D	Agr.	205	Grundmeier
26	Textiles .....	2	2	D	Agr.	202	Latzke
41	Housing .....	3	2	D	Agr.	303	Deephouse
46	Clothing .....	3	3-4	D	Agr.	202	Latzke
47	Adv. Clothing .....	3	3-4	D	Agr.	202	Latzke
124	Dietetics .....	4	1-2	D	Agr.	205	Grundmeier
142	Home Management .....	5	1	D	Agr.	303	Deephouse

**GRADUATE COURSES IN ECONOMIC AND SOCIOLOGICAL ASPECTS OF AGRICULTURE (June 12 to 28)**

These courses offer an opportunity for intensive study of the economic and sociological background of agriculture. They are designed to provide a better understanding of current developments in rural economic and social life. Special consideration will be given to the significance of various plans for the betterment of agriculture.

Four courses are given dealing with different aspects of national policy for agriculture. The courses are organized on the graduate level of study. Each course carries 1 credit. Students may register for credit in not more than three courses.

<b>FARM ECONOMICS</b>							
110a	Current Land Problems .....	1	8:00-8:50	D	D	113	MacFarlane
122c	Rural Life .....	1	9:00-9:50	D	D	113	Beers
<b>MARKETS AND RURAL FINANCE</b>							
132b	Current Problems in Agr. Economics .....	1	10-10:50	D	D	113	H. B. Price
R133	Agricultural Policy .....	1	11-11:50	D	D	113	Black

**COLLEGE OF ENGINEERING**

<b>APPLIED MECHANICS</b>							
1	Analytical Mechanics .....	4.0	1, 2	{ MTW } { ThF }	Eng.	232	Hawkins
2	Mechanisms .....	2.0	2	{ MTW } { ThF }	Eng.	205	Jett
<b>CIVIL ENGINEERING</b>							
120	Hydraulics .....	2.0	3	{ MTW } { ThF }	Eng.	214	Cheek
<b>ELECTRICAL ENGINEERING</b>							
101	Elements of Elec. Eng. Machinery .....	3.0	{ 3 } { 5, 6 }	{ MTW } { ThF } { MWF }	Eng.	234	Bureau or Barnett

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF ENGINEERING—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>ELEC. ENGINEERING—Cont.</b>							
105 <sub>1</sub>	D. C. Circuits and Machinery, Rec. ....	4.0	4	D	Eng.	234	Bureau or Barnett
105 <sub>2</sub>	D. C. Circuit and Machinery, Lab. ....						
123	Elec. Equip. Problems .....	1.3	5, 6	By Appt.	Eng.	234	Bureau or Barnett
124	Electrical Design .....	3.0		By Appt.	Eng.	234	Bureau or Barnett
<b>ENGINEERING DRAWING</b>							
12	Graphical Computations .....	2.3	21 hrs.	By Appt.	Eng.	216	Jett
19	Mechanical Drawing (For Sanitary Inspectors) .....	1.0		By Appt.	Eng.	216	Horine
<b>MECHANICAL ENGINEERING</b>							
100b	Machine Design .....	3.3	30 hrs.	By Appt.	Eng.	216	Jett
	(Prerequisite M. E. 100a.)						
121	Machine Design .....	2.0	18 hrs.	By Appt.	Eng.	216	Jett
	(For electrical engineers.)						
<b>SANITARY ENGINEERING</b>							
24	Sanitary Engineering (For Inspectors)—Includes 4 weeks of field work .....	3.0		By Appt.	Eng.	214	Cheek, Handorf
157	Sanitary Engineering (For Health Officers) .....	1.0		By Appt.	Eng.	214	Cheek, Handorf

**COLLEGE OF LAW**

107a	Crimes I .....	2	8-8:50	D	LB	100	Randall
165	Trusts .....	4	8-8:50	}D	LB	213	Evans
			11-11:50				
180	Legislation .....	2	10-10:50	D	LB	212	Pittman
148	Domestic Relations .....	2	11-11:50	D	LB	100	Pittman
149	Municipal Corporations .....	2	11-11:50	D	LB	213	Randall

**COLLEGE OF EDUCATION**

<b>ADMINISTRATION</b>							
The following courses not open to freshmen and sophomores:							
101	School Organization .....	3	4	D	E	222	Seay

FIRST TERM—SUMMER 1939  
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ADMINISTRATION—Cont.							
198	Administration of Pupil Personnel (June 12-28) .....	3	7:00-9:30	D	McVH	107	Walton
The following courses open only to graduate students:							
202	Local School Administration ....	3	4	D	FH	106	Dunn
203	Constitutional and Legal Basis for Public School Administration .....	3	4	D	A	205	Meece
207	School Buildings and Equipment	3	1	D	A	205	Chamberlain
210	Special Problems in School Administration .....	3		By Appt.	E	229	Seay
211	Administration of Vocational Education (June 29-July 15)	3		By Appt.	E	220	Woods
212	The Elementary School .....	3	1	D	E	131	Duncan
225	Supervision of Instruction .....	3	2	D	E	222	Seay
231	Financing Public Education .....	3	3	D	FH	106	Herr
232	High School Administration .....	3	1	D	E	231	Ligon
238	Trends in Higher Education .....	3	2	D	A	205	Chamberlain
301a, b	Research Problems in Educational Administration .....	3		By Appt.	E	229	Seay
307a, b	Research Problems in Secondary Education .....	3		By Appt.	E	114	Ligon
308a, b	Research Problems in Elementary Education .....	3		By Appt.	E	136	Duncan
321a, b	Research Problems in Higher Education .....	3		By Appt.	A	112	Chamberlain
AGRICULTURAL EDUCATION							
The following course not open to freshmen and sophomores:							
179	Determining Content in Vocational Agriculture (June 12-28.) .....	3		By Appt.	E	226	Hammonds
The following courses open only to graduate students:							
280	Method in Teaching Vocational Agriculture (June 29-July 15.) .....	3		By Appt.	E	219	Hammonds
287b	Selecting Teaching Materials (June 29-July 15.) .....	3		By Appt.	E	226	Armstrong
287f	Part-Time Schools (June 12-28.) .....	3		By Appt.	SP	106	Gregory and Armstrong
BUSINESS EDUCATION							
The following courses not open to freshmen and sophomores:							
104	Foundations of Business Education in the High School .....	3	3	D	WH	102	Guy
158a	Methods of Teaching Secretarial Subjects .....	2	1	D	WH	201	Guy
184	Teaching Office Appliances .....	1	4	D	WH	102	Guy

**FIRST TERM—SUMMER 1939**  
**COLLEGE OF EDUCATION—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>BUSINESS EDUCA.—Cont.</b>							
The following courses open only to graduate students:							
249	Teaching Consumer Courses in the High School .....	2	3	D	WH	201	Lawrence
257a, b	Seminar in Business Education	1	7	MTh	WH	102	Lawrence
259	The Commerce Curriculum .....	3	2	D	WH	205	Lawrence
<b>DISTRIBUTIVE OCCUPATIONS EDUCATION</b>							
The following courses not open to freshmen and sophomores:							
112	Determining Teaching Content in Distributive Occupations....	2	2	D	McVH	103	Baker
116	Problems of Coordinator in Distributive Occupations .....	2	3	D	McVH	103	Baker
128	Technique of Teaching Distributive Occupations .....	2	4	D	McVH	103	Baker
<b>EDUCATIONAL PSYCHOLOGY</b>							
The following courses not open to freshmen and sophomores:							
118	Educational Tests and Measurements for Elementary Teachers .....	3	3	D	A	205	Crawford
122	Educational Tests and Measurements for Secondary Teachers .....	3	3	D	A	205	Crawford
147	Foundations of Secondary Education .....	3	3	D	E	222	Ross
The following course open only to graduate students:							
223	Educational Statistics .....	3	1	D	E	222	Ross
<b>ELEMENTARY EDUCATION</b>							
The following courses not open to freshmen and sophomores:							
42	Arithmetic in the Elementary Grades .....	3	1	D	E	Kdg.	Limburg
44	Fundamentals of Elementary Education .....	5	{ 9:50- 12:20 }	D	E	170	Haines
110	Advanced Industrial Arts .....	2		D	E	170	Haines
*R133	Directed Teaching in the Elementary School (Seniors only) .....	6	8-12:00	D	E	136	Duncan and Trn. Tchrs.

\* Application should be made in advance in order that prerequisites may be checked.

FIRST TERM—SUMMER 1939  
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
	ELEMENTARY EDUC.—Cont.						
141	Problems in Diagnostic and Remedial Reading ..... (June 12-28.)	3	10-12	D	Mem. Aud.		Duncan, Zirbes, Taylor, Durrell, Whipple
173	Teaching Literature to Children	3	2	D	E	Kdg.	Duncan, E. Adams
R176	Pre-School Organization and Teaching .....	3	3	D	E	Kdg.	Limburg
196	Science in the Elementary School .....	3	4	D	E	Kdg.	E. Adams
	The following courses open only to graduate students:						
212	The Elementary School .....	3	1	D	E	131	Duncan
224a	Organization and Supervision of Student Teaching .....	3	2-3:15	D	E	131	Williams, Jagers, Duncan
	HISTORY OF EDUCATION						
	The following course not open to freshmen and sophomores:						
121	History of Education in the U. S. ....	3	4	D	E	231	Patrick
	The following courses open only to graduate students:						
235	History of Education in Kentucky .....	3	3	D	E	231	Patrick
237a	Special Problems in History of Education .....	3		By Appt.	E	233	Patrick
	HOME ECONOMICS EDUCATION						
	The following course not open to freshmen and sophomores:						
165b	Problems in Vocational Education—Adult Education (June 29 to July 15) .....	3		By Appt.	E	104	Vaughn
	The following courses open only to graduate students:						
263	Current Problems in Home Economics Education (June 12 to June 28) .....	3		By Appt.	E	104	Spickard
269	Achievement Testing in Home Economics (June 29 to July 15) .....	3		By Appt.	E	104	Spickard
	INDUSTRIAL EDUCATION						
	The following courses not open to freshmen and sophomores:						
S71a	Trade Analysis Techniques (June 12-28) .....	3		By Appt.	E	234	May, Hankins

ADD: PHILOSOPHY OF EDUCATION

114 - Educational Sociology (Education for Marriage and Family Life) - June 12 to June 28 - 3 crs. 3 & 4 hrs. D McVH, room 211. Instructors - Ernest R. Groves, Professor of Sociology, University of North Carolina, and his wife, Gladys Hoagland Groves.

Course No.	Subject	No. Crs	Hour	Days	Buildin	Room	Instructor
	INDUSTRIAL EDUC.—Cont.						
S71b	Course Construction in Industrial Education (June 29-July 15) .....	3		By Appt.	E	234	May, Hankins
S77	Shop Management Problems (June 12-28) .....	3	2	D	McVH	100	May, Hankins
S183	Methods in Industrial Education (June 29-July 15) .....	3	3	D	McVH	100	May, Hankins
	PHILOSOPHY OF EDUCATION						
	The following courses not open to freshmen and sophomores:						
35	Introduction to Education .....	3		By Appt.	D	E 232	Meece
175a-f	Modern Educational Problems (June 29-July 15) .....	3	10-12	D	E	Aud.	Graves
175h	Problems in Educational Radio Broadcasting .....	3	4	D	McVH Studio		Sulzer
186	Visual Teaching .....	3	4	D	FH	B	Clifton or Starnes
	The following courses open only to graduate students:						
200	Philosophy of Education .....	3	3	D	E	131	Adams
222	Methodology of Educational Research (June 12-June 28) ..	3	2, 4	D	E	131	Taylor
227a	Principles of Curriculum Construction .....	3	2	D	FH	201	Meece
246	Motion Pictures in Education .....	3	2	D	FH	B	Starnes
	SECONDARY EDUCATION						
	The following course not open to freshmen and sophomores:						
105	Fundamentals of Secondary Education .....	3	2	D	E	231	Ligon
	The following courses open only to seniors:						
153 <sub>1</sub>	Directed Teaching in English....	6		By Appt.	E	107	Williams, Anderson
153 <sub>2</sub>	Directed Teaching in English....	6		By Appt.	E	108	Williams, Miller
153 <sub>3</sub>	Directed Teaching in English....	6		By Appt.	E	101	Williams, Shipman
154 <sub>1</sub>	Directed Teaching in Languages	6		By Appt.	E	208	Williams, Topham
154 <sub>2</sub>	Directed Teaching in Languages	6		By Appt.	E	122	Williams, West
155 <sub>1</sub>	Directed Teaching in Sciences..	6		By Appt.	E	201	Williams, Keffer
155 <sub>2</sub>	Directed Teaching in Sciences..	6		By Appt.	E	211	Williams, Kemper

FIRST TERM—SUMMER 1939  
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
INDUSTRIAL EDUC.—Cont.							
S71b	Course Construction in Industrial Education (June 29–July 15) .....	3		By Appt.	E	234	May, Hankins
S77	Shop Management Problems (June 12–28) .....	3	2	D	McVH	100	May, Hankins
S183	Methods in Industrial Education (June 29–July 15) .....	3	3	D	McVH	100	May, Hankins
PHILOSOPHY OF EDUCATION							
The following courses not open to freshmen and sophomores:							
35	Introduction to Education .....	3		By Appt.	D	E 232	Meece
175a-f	Modern Educational Problems (June 29–July 15) .....	3	10–12	D		E Aud.	Graves
175h	Problems in Educational Radio Broadcasting .....	3	4	D	McVH	Studio	Sulzer
186	Visual Teaching .....	3	4	D	FH	B	Clifton or Starnes
The following courses open only to graduate students:							
200	Philosophy of Education .....	3	3	D	E	131	Adams
222	Methodology of Educational Research (June 12–June 28) ..	3	2, 4	D	E	131	Taylor
227a	Principles of Curriculum Construction .....	3	2	D	FH	201	Meece
246	Motion Pictures in Education .....	3	2	D	FH	B	Starnes
SECONDARY EDUCATION							
The following course not open to freshmen and sophomores:							
105	Fundamentals of Secondary Education .....	3	2	D	E	231	Ligon
The following courses open only to seniors:							
153 <sub>1</sub>	Directed Teaching in English....	6		By Appt.	E	107	Williams, Anderson
153 <sub>2</sub>	Directed Teaching in English....	6		By Appt.	E	108	Williams, Miller
153 <sub>3</sub>	Directed Teaching in English....	6		By Appt.	E	101	Williams, Shipman
154 <sub>1</sub>	Directed Teaching in Languages	6		By Appt.	E	208	Williams, Topham
154 <sub>2</sub>	Directed Teaching in Languages	6		By Appt.	E	122	Williams, West
155 <sub>1</sub>	Directed Teaching in Sciences..	6		By Appt.	E	201	Williams, Keffer
155 <sub>2</sub>	Directed Teaching in Sciences..	6		By Appt.	E	211	Williams, Kemper

FIRST TERM—SUMMER 1939  
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
SECONDARY EDUC.—Cont.							
156 <sub>1</sub>	Directed Teaching in Mathematics .....	6		By Appt.	E	126	Williams, Keffer
156 <sub>2</sub>	Directed Teaching in Mathematics .....	6		By Appt.	E	126	Williams, Buchanan
157 <sub>1</sub>	Directed Teaching in Social Sciences .....	6		By Appt.	E	207	Williams, Peck
157 <sub>2</sub>	Directed Teaching in Social Sciences .....	6		By Appt.	E	101	Williams, Shipman
169a	Directed Teaching in Physical Education .....	3		By Appt.	E	126	Williams, others
177a <sub>1</sub>	Directed Teaching in Music.....	3		By Appt.	E	126	Williams, Capurso
177a <sub>2</sub>	Directed Teaching in Music.....	3		By Appt.	E	126	Williams, Mason
193	Directed Teaching in Commerce	6		By Appt.	E	134	Williams, Betz
The following courses open only to graduate students:							
214	The Secondary School .....	3	1, 2	D	A	302	Crawford
(June 29–July 15.)							
224a	Organization and Supervision of Student Teaching .....	3	2–3:15	D	E	131	Williams, Jagers, Duncan
232	High School Administration ....	3	1	D	E	231	Ligon
241	Problems in Teaching Social Science .....	3	1:30–2:45	D	E	207	Peck and Barnes
242	Problems in Teaching English..	3	2–3:15	D	E	107	Anderson and others
243	Problems in Teaching Mathematics .....	3	2–3:15	D	E	222	Keffer and others
244	Problems in the Teaching of Physics .....	3	2	TWThF	PENCE	201	Koppius
VOCATIONAL EDUCATION							
The following courses open only to graduate students:							
211	Administration of Vocational Education (June 29–July 15)	3		By Appt.	E	220	Woods
282	Special Problems in Vocational Education .....	3		By Appt.	E	220	Woods

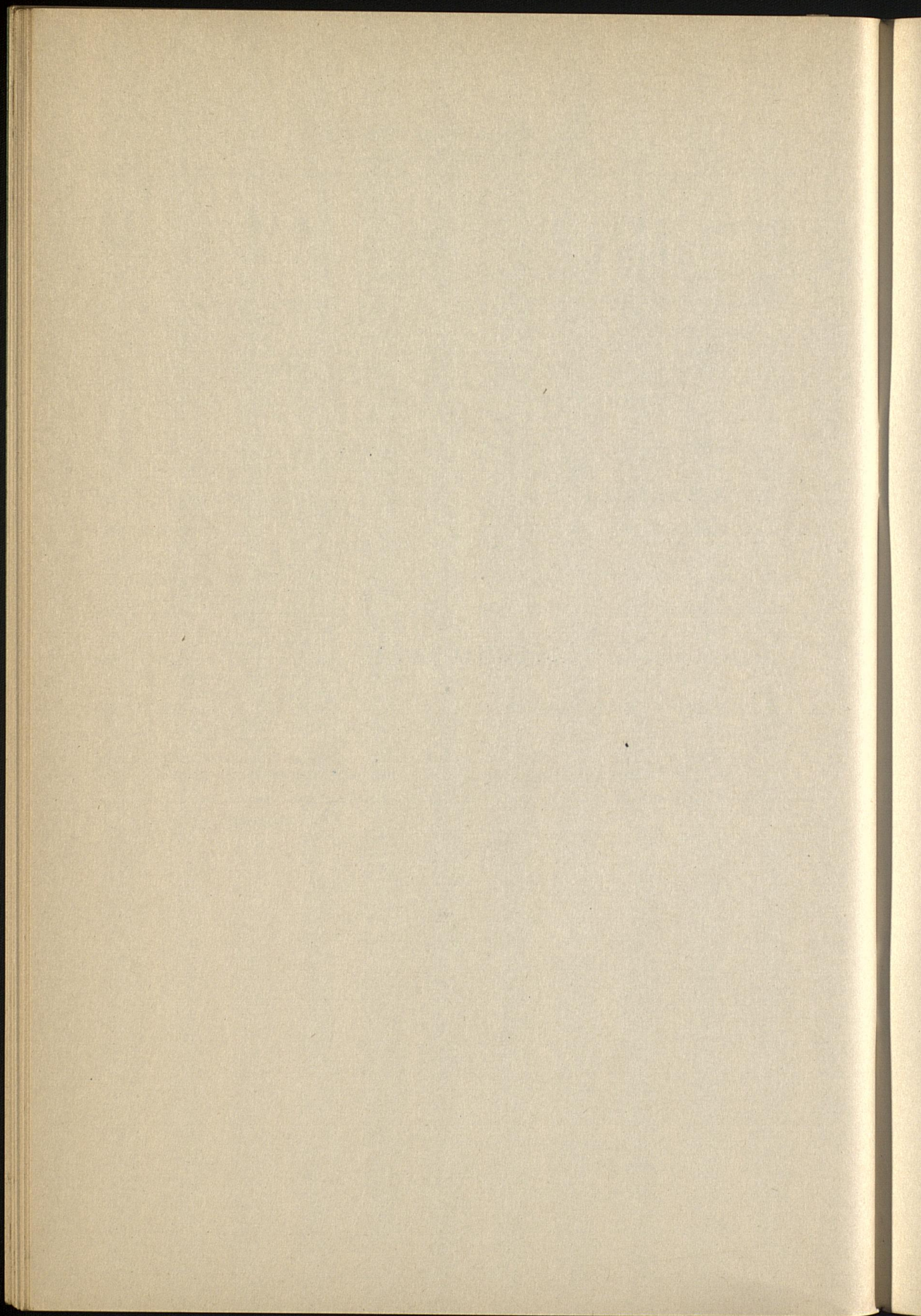


**FIRST TERM—SUMMER 1939  
COLLEGE OF COMMERCE**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
1	Principles of Economics .....	3	4	D	WH	303	Ketchum
*3	Economic History of the United States .....	3	2	D	WH	303	Jennings
7a	Prin. of Accounting, Rec. ....	4	1	D	WH	306	Beals
	Prin. of Accounting, Lab. ....						
R13a	Secretarial Practice, Rec. ....	4	1	D	WH	301	Beals
	Secretarial Practice, Lab. .... (Prereq. 2 yrs. of college work.)						
14a	Advanced Secretarial Practice.. (Prereq. Course 13a and 13b.)	3	3	D	WH	301	Liles
105	Money and Banking .....	3	2	D	WH	102	Carpenter
	(Prereq. Course 1.)						
106a	Advanced Accounting .....	3	5	D	WH	306	Beals
	(Prereq. Courses 7a and 7b.)						
107	Statistical Method .....	3	6	D	WH	401	Palmer
117	Corporation Finance .....	3	1	D	WH	303	Ketchum
	(Prereq. Com. 1, 7a, 7b and 9.)						
136	Sales Management .....	3	2	D	WH	201	McIntyre
	(Prereq. Com. 11 or consent of instructor.)						
140	Advertising Campaigns .....	3	4	D	WH	201	McIntyre
	(Prereq. Course 11, Psy. 5 or consent of instructor.)						
141	Managerial Statistics .....	3		By Appt.	WH	205	Palmer
	(An elementary course in Statistics.)						
143	Life Insurance .....	3	3	D	WH	303	Carpenter
203	History of Economic Thought....	3	4	D	WH	205	Wiest

\* Open to freshmen.

SECOND TERM



SECOND TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ANATOMY AND PHYSIOLOGY							
Requirements for a Major. Prerequisites: Junior standing; Anatomy and Physiology 1a and 1b; Zoology 1a and 1b; Physics 1a and 1b. Required: Anatomy and Physiology 116a and 116b with the comprehensive examination, and a minimum of 14 additional credits in Anatomy and Physiology.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Biological Sciences, including the major work.							
Note.—For combined Arts-Medicine course see catalog, or consult your dean.							
1b	General Physiology .....	3	2	D	S	205	Sherwood
	The following course not open to freshmen and sophomores:						
R105	Architecture of the Human Skeleton .....	3	3	D	S	205	Sherwood
	The following course is open to graduate students only:						
201b	Research in Physiology .....	5	By Appt.	D	RL	105	Sherwood
ANCIENT LANGUAGES							
Requirements for a Major. Prerequisites: First two years of college Latin. Required: A minimum of 15 credits of Ancient Languages, plus 16a, b, comprehensive examination.							
Requirements in Field of Concentration: Forty credits in the field of Literature, Philosophy, and the Arts, including the major work.							
*1, *2, *3, *4, *5, *6	Beginning Latin, Caesar, Cicero, Virgil, Livy, Horace .....	3	1	D	A	303	Jones
150b	Teacher's Course in Latin (Based on second year work)	3	3	D	A	303	Jones
110a, b	Latin Literature (Selections) ..	3	1	D	A	303	Jones
122b	Greek Literature in English Translation: Drama, Oratory and Philosophy .....	3	3	D	A	303	Jones
ANTHROPOLOGY AND ARCHAEOLOGY							
Not open to lower division students:							
101	Principles of Anthropology .....	2	3	D	McVH	111	Funkhouser
ART							
10	Public School Art .....	2	4	D	E	170	Haines
BACTERIOLOGY							
Requirements for a Major. Prerequisites: Chemistry 1a and 1b; Bacteriology 2b, 52 or 102. Required: Two credits in Seminar, plus an additional 13 credit-hours of advanced work in Bacteriology, including Bacteriology 125.							

\* Open to freshmen.

**SECOND TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>BACTERIOLOGY—Cont.</b>							
<p><b>Requirements in Field of Concentration.</b> Forty credits in Biological Sciences Field, including the major work.</p> <p><b>Medical Technology Course.</b> A four-year course leading to the degree B. S. in Medical Technology is offered which is designed to prepare men and women for positions in hospital laboratories, physicians' and surgeons' clinics, and federal, state and municipal laboratories and to fit the especially adapted student for either commercial or research laboratory work in Bacteriology. It also meets all the requirements of the United States Civil Service Commission for the rank of Junior Bacteriologist (30 credits in Bacteriology).</p> <p>The University of Kentucky is registered as an approved school for laboratory technicians by the Board of Registry of the American Society of Clinical Pathologists, and by the Council on Education of the American Medical Association. Graduates of this course who may desire to enter medical school will have all the requirements of the American Medical Association and the Association of American Medical Colleges for entrance to all Class A medical schools, provided they take two years of foreign language.</p>							
6 <sub>1</sub>	Bacteriology for Nurses, Lec...	3	{ 1	D	KH	B13	Wright
6 <sub>2</sub>	Bacteriology for Nurses, Lab...		{ 2	D	BS	208	Wright
57 <sub>1</sub>	Bacteriology of Water and Sewage, Lec. ....	4	{ 2	D	KH	B13	Weaver
57 <sub>2</sub>	Bacteriology of Water and Sewage, Lab. ....		{ 3	D	BS	200	Weaver
The following courses not open to freshmen and sophomores:							
102 <sub>1</sub>	General Bacteriology, Lec.....	4	{ 1	D	KH	B13	Scherago
102 <sub>2</sub>	General Bacteriology, Lab.....		{ 2	D	BS	200	Weaver
110b	Laboratory Diagnosis, Lab.....	3	3, 4	D	BS	102	Scherago
115a-d	Independent Work .....	3	By Appt.	D	BS	100	Wright
125 <sub>1</sub>	Immunology and Serology, Lec.)	5	{ 2	D	KH	B13	Scherago
125 <sub>2</sub>	Immunology and Serology, Lab.)		{ 3, 4	D	BS	208	Wright
The following courses open only to graduate students:							
201b	Research in Bacteriology .....	5	By Appt.	D	BS		Weaver
203b <sub>1</sub>	Public Health Bacteriology, Lec. ....	3	By Appt.	D	KH	B13	Scherago
203b <sub>2</sub>	Public Health Bacteriology Lab. ....		By Appt.	D	BS	208	Scherago
207 <sub>1</sub>	Bacteriology of Water and Sewage, Lec. ....	4	{ 2	D	KH	B13	Weaver
207 <sub>2</sub>	Bacteriology of Water and Sewage, Lab. ....		{ 3	D	BS	200	Weaver
<b>BOTANY</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Botany 1a, 1b. <b>Required:</b> Botany 6, 15, 19, 103, 125a, 125b; a minimum of 20 credits of advanced work in Botany.</p> <p><b>Requirements in the Field of Concentration.</b> Forty credits in the field of Biological Sciences, including the major work in courses not open to freshmen.</p>							
*1b <sub>1</sub>	General Botany (Lec.Rec.)....	4	{ 2	D	M	203	McFarland
*1b <sub>2</sub>	General Botany (Lab.) .....		{ 3	D	M	203	McFarland
19	Dendrology (Tree Study) .....	2	1	D	M	203	McFarland

\* Open to freshmen.

SECOND TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
CHEMISTRY							
Requirements for a Major. Prerequisites: Junior standing; Chemistry 1a, 1b, 4, 8. Required: Chemistry 109, 127a, 127b, and either 101 or 131a and 131b.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Physical Sciences, including the major work.							
Note.—For outline of course leading to degree of "B. S. in Industrial Chemistry" consult University catalog.							
*1b	General Inorganic Chemistry.... (Prerequisite Chemistry 1a.)	5	1, 2, 3	D	{KH	101 201 209	} Mitchell
8	Quantitative Analysis ..... (Prerequisite Chem. 4 or 6.)	5	1, 2, 3, 4	D	{KH	111 113	} Gabbard
20b	Organic Chemistry ..... (Prereq. Chem. 7 or 20a.)	5	1, 2, 3	D	{KH	214 217	} Barkenbus
The following courses not open to freshmen and sophomores:							
101	Physical Chemistry ..... (Prereq. Chem. 7 and 8, Physics 1b and Math. 17.)	5	2, 3, 4	D	{KH	B14 B17	} Gabbard
103	Qualitative Organic Analysis.... (Prereq. Chem. 127b.)	5	By Appt.	D	KH	215	Barkenbus
106	Advanced Organic Chemistry.... (Prereq. Chem. 127b.)	5	By Appt.	D	KH	215	Barkenbus
109	Quantitative Analysis ..... (Prereq. Chem. 8.)	5	1, 2, 3, 4	D	KH	111	Gabbard
110	Physical Chemistry, Interm. Course, Lec. .... (Prereq. Chem. 131b and Calculus.)	3	By Appt.	D	KH	B14	Gabbard
111	Physical Chem., Interm. Course, Lab. .... (Prereq. 110 or accompanied by it.)	2	By Appt.	D	KH	B17	Gabbard
127b	Organic Chemistry ..... (Prereq. Chem. 7, 20a, or 127a.)	5	1, 2, 3	D	{KH	214 215	} Barkenbus
The following courses are open to graduate students only:							
204a	Organic Chemistry ..... (Prereq. 103 or 106.)	5	By Appt.	D	KH	215	Barkenbus
204b	Organic Chemistry ..... (Prereq. 204a.)	5	By Appt.	D	KH	215	Barkenbus
206a	Adv. Physical Chem., Lab. .... (Prereq. 205a.)	3	By Appt.	D	KH	B17	Gabbard
206b	Adv. Physical Chem., Lab. .... (Continuation of 206a.) (Prereq. 205b.)	3	By Appt.	D	KH	B17	Gabbard

\* Open to freshmen.

**SECOND TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>ECONOMICS</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Junior standing; six credits in Economics, including Course 1. <b>Required:</b> A minimum of 17 credits of advanced work in Economics including Course 9, if not taken as a prerequisite, and Courses 102 or 130, 104 or 124 and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics courses numbered above 100. In addition, tutorial Courses 16 a and b must be taken in the senior year to prepare for the required comprehensive examination.</p> <p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Social Studies, including the major work.</p>							
*2	Econ. History of Europe .....	3	3	D	WH	303	Jennings
*12	Econ. Geography of North America .....	3	4	D	WH	303	Carter
7b	Prin. of Accounting, Rec. ....	4	1	D	WH	306	Beals
	Prin. of Accounting, Lab. ....						
} By Appt.							
The following courses not open to freshmen and sophomores:							
124	State and Local Taxation..... (Prereq. Open only to seniors and graduates.)	3	3	D	WH	102	Martin
126	Economics of Public Utilities.... (Prereq. Course 1.)	3	2	D	WH	102	Carter
<b>ENGLISH</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Junior standing; English 1a, 1b, 3a, 3b. <b>Required:</b> A minimum of 18 credits of advanced work in English.</p> <p><b>Requirements in Field of Concentration.</b> Forty credits of advanced work in the field of Literature, Philosophy and the Arts, including the major work.</p>							
*1a	English Composition .....	3	1	D	McVH	210	Nuckols
*1b	English Composition .....	3	2	D	McVH	210	Nuckols
3b	History of English Literature....	3	3	D	McVH	210	Fithian
The following courses not open to freshmen and sophomores:							
104	The Seventeenth Century .....	3	3	D	McVH	206	Gallaway
130b	Comparative Literature .....	3	1	D	McVH	204	Brady
152	Age of Pope .....	3	4	D	McVH	206	Gallaway
The following course open to graduate students only:							
210b	Seminar .....	3	2	D	McVH	204	Brady
<b>GEOLOGY</b>							
<p><b>Requirements for a Major. Prerequisites:</b> Geology 22a, 22b. <b>Required:</b> Geology 9a, 9b, 26a, 26b, 101a, 101b, 104a, 104b, 106a, 106b, 123a, 123b, 118a, or 118b and 124a, 124b. <b>Field Work:</b> An early summer field trip, Geology 118a, or 118b is required of major students for graduation. This covers two weeks work in selected regions. Local field work is offered throughout the year, and it is recommended that all major students take a summer course in Field Geology and Geological Methods. Such courses varying from four to six weeks in length are offered by a number of institutions.</p> <p>Students majoring in Geology are required to pass a final comprehensive examination in the department.</p>							

\* Open to freshmen.

**SECOND TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>GEOLOGY—Continued</b>							
Requirements in the Field of Concentration. Forty credits in the field of Physical and Biological Science, including the major work in courses not open to freshmen.							
*14b	Elementary Field Geology .....	1	1-5 p. m.	W	S	203	McFarlan
*14d	Elementary Field Geology .....	1	1-5 p. m.	Th	S	203	McFarlan
*24a	Elements of Geography .....	3	3	D	S	203	Young
25a	Regional Physical Geography of North America .....	3	4	D	S	203	Young
The following course not open to freshmen and sophomores:							
120a	Geology of Kentucky .....	3	2	D	S	203	McFarlan
(No prerequisite.)							
<b>GERMAN LANGUAGE AND LITERATURE</b>							
Requirements for a Major. Prerequisites: Junior standing; German 1a, 1b, 2a, 2b. Required: German 3a, 3b, 101a, 101b, 102a, 102b, 120a, 120b, 130a, 130b.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work. Major students are required to enroll in tutorial courses during the junior and senior years and to pass a final comprehensive examination.							
Note.—No credit for German 1a until 1b has been passed.							
*1a	Elementary German .....	3	2	D	A	205	Whitaker
*1b	Elementary German .....	3	2	D	A	205	Whitaker
2a	Intermediate German .....	3	3	D	A	205	Whitaker
2b	Intermediate German .....	3	3	D	A	205	Whitaker
3b	Selected Readings .....	3	By Appt.	D	A	205	Whitaker
6b	Scientific German .....	3	By Appt.	D	A	205	Whitaker
The following courses not open to freshmen and sophomores:							
101b	Nineteenth Century Literature..	3	By Appt.	D	A	205	Whitaker
105a-d	Independent Work .....	3	By Appt.	D	A	205	Whitaker
<b>HISTORY</b>							
Requirements for a Major. Prerequisites: History 2a, 2b, or 4a and 4b, or 5a and 5b. Required: A minimum of 20 credits of advanced courses in History. Should include the Senior Seminar.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Social Studies, including the major work.							
*4b	Modern Europe since the French Revolution .....	3	2	D	FH	204	Lunde
*5b	History of the U. S. since 1860..	3	3	D	FH	301	Clark
The following courses not open to freshmen and sophomores:							
106b	Latin American Republics .....	2	2	D	FH	304	Knapp
119a	French Revolution and Napoleon .....	3	3	D	FH	204	Lunde
The following courses open only to graduate students:							
315c	Henry Clay (and his Times)....	3	4	D	FH	304	Knapp
342	Seminar in Kentucky History ..	2	1	D	FH	301	Clark

\* Open to freshmen.



**SECOND TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>HYGIENE AND PUBLIC HEALTH</b>							
Requirements for a Major. Prerequisites: Junior standing; 12 credits in Biological Sciences. Required: Bacteriology 103, a minimum of 15 credits of advanced work in Hygiene and Public Health.							
Requirements in the Field of Concentration. Forty credits in the field of Biological Sciences and Social Studies (Sociology, Psychology, Political Science), including the major work, in courses not open to freshmen.							
*1	Personal and Community Health .....	1	2	D	HB	205a	Hamilton
*9	Hygiene for Teachers .....	2	3	D	HB	205a	Hamilton
R115	Communicable Diseases .....	2	8-10	D 3 wks.	HB		Hamilton
125b	County Health Practice .....	3		By Appt.			Cawood, Rood
<b>JOURNALISM</b>							
Requirements for a Major. Prerequisites: Journalism 1a, b, and 11 or 12. Required: Journalism 104a, b, 105, 106, 107, 108, and 90a, b. Major students are required to enroll in the tutorial course during the senior year and to pass a final comprehensive examination in Journalism.							
Requirements in the Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work.							
The Degree of A. B. in Journalism. Two sequences leading to the degree of A. B. in Journalism are outlined in the general catalog.							
The following courses not open to lower division students:							
102	Community Journalism .....	3	2	D	McVH	50	Portmann
106	Ethics and Principles of Journalism .....	3	3	D	McVH	50	Portmann
<b>LIBRARY SCIENCE</b>							
Requirements for a Major. Prerequisites: Senior or graduate standing, good cultural background, especially in Literature, Language and the Social Sciences. Students desiring to enter Library Science courses should consult early in their college course with the Director concerning preparation for matriculation. Previous experience in library work and facility in the use of the typewriter are considered assets. Required Courses: Thirty credits or full curriculum advised.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts (or acceptable equivalent), including the major work.							
The following professional courses open to senior and graduate students:							
133a	Reference and Bibliography .....	3	1	D	UL	314	Smith

\* Open to freshmen.

SECOND TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
LIBRARY SCIENCE—Cont.							
133b	Advanced Reference and Bibliography (Prereq. 133a)..	2	4	D	UL	314	Smith
138	Methods of Teaching Use of the Library (Prereq. 133a advisable) .....	2	2	D	UL	314	Durst
150b	Book Selection (Adolescent Literature) .....	2	3	D	UL	314	Durst
	(Prereq. 150a advisable.)						
MATHEMATICS AND ASTRONOMY							

**Requirements for a Major. Prerequisites:** Junior standing; Courses 2, 17, 18, 19, 20a. **Required:** A minimum of 18 credits of advanced work in Mathematics, including one course in Algebra, one in Geometry, one in Analysis, and one in Applications. Major students are required to enroll in tutorial courses during the junior and senior years and to pass a final comprehensive examination in Mathematics.

**Requirements in Field of Concentration.** Forty credits of advanced work in field of Physical Sciences, including the major work.

*19	Plane Analytic Geometry .....	3	3	D	McVH	129	South
20b	Integral Calculus .....	4	8:00-9:40	D	McVH	128	Downing
The following course not open to lower division students:							
120	Mathematical Statistics .....	3	2	D	McVH	129	South
The following course open only to graduate students:							
R208	Theory of Functions of a Real Variable .....	2	{ 9:50-}	D	McVH	128	Downing
			{ 10:40 }				
MUSIC							

**Requirements for a Major. Prerequisites:** Junior standing; Music 33a-b; Applied Music, 6 credits; Psychology 1. **Required:** A minimum of 15 credits of advanced work in Music to be selected from Music 4a-b, 34a-b, 12a-b, 13a-b, 19a-b, 26 and 42. Comprehensive examination required.

**Requirements in Field of Concentration.** Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work.

(Outline for B. S. in Music outlined in General Catalog.)

*15a-h	Applied Music—Piano <sup>1</sup> .....	3		By Appt.	AC	1	J. Lampert
*16a-h	Applied Music—Strings <sup>1</sup> .....	3		By Appt.	AC	9	Capurso
*17a-h	Applied Music—Voice <sup>1</sup> .....	3		By Appt.	AC	9	Dantzler, Dagley
*18a-h	Applied Music—Organ <sup>1</sup> .....	3		By Appt.	Mem.Aud.		Cullis
*33b	Elementary Harmony .....	5	1, 2	D	AC	7	Allton
	(Prereq. 33a.)						
*40a-d	Orchestra (Credit not permitted for B. S. in Music, nor Music majors) .....	1	3 p. m.	D	AC	8	Capurso

\* Open to freshmen.

<sup>1</sup> Tuition for Applied Music \$25.00 for 3 credits; \$17.00 for 2 credits; practice fee—organ \$7.50 per term; others \$2.50 per term.

SECOND TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
MUSIC—Continued							
4a	Public School Music .....	2	1	D	E	248	Mason
4b <sub>1</sub>	Public School Music (All except B. S. in Music and Music majors) .....	2	4	D	E	248	Mason
4b <sub>2</sub>	Public School Music (B. S. in Music and Music majors) ....	2	By Appt.	D	E	248	Mason
34b	Advanced Harmony .....	5	3, 4	D	AC	7	Allton
12b	Counterpoint and Composition. (Prereq. 12a.) .....	2	By Appt.	By Appt.	AC	7	Allton
13b	Form and Analysis .....	2	By Appt.	By Appt.	AC	7	Allton
26	High School Methods .....	2	2	D	E	248	Mason
The following course not open to freshmen and sophomores:							
110a-d	Independent Work in Music.....	2	By Appt.	By Appt.	AC	9	Capurso
The following courses open only to graduate students:							
215b	Applied Music—Piano <sup>1</sup> .....	3	By Appt.	By Appt.	AC	1	J. Lampert
216b	Applied Music—Strings <sup>1</sup> .....	3	By Appt.	By Appt.	AC	9	Capurso
217b	Applied Music—Voice <sup>1</sup> .....	3	By Appt.	By Appt.	AC	9	Dagley, Dantzler
218b	Applied Music—Organ <sup>1</sup> .....	3	By Appt.	By Appt.	Mem. Aud.		Cullis

PHYSICAL EDUCATION

**Requirements for a Major. Prerequisites:** Junior standing; Physical Education 29; 5.6 credits in Physical Education activity courses. **Required:** Physical Education 120, 128, 148, 60a, 60b; Psychology 7; Anatomy and Physiology 4 and 5. Minimum on major 15 credits. Comprehensive examination in senior year.

**Requirements in the Field of Concentration.** Forty credits of advanced work in the field of Biological Sciences, including the major work. For teacher certification requirements, check with Dean of Arts and Sciences College and Head of Department of Physical Education.

**Note.**—In meeting the Physical Education requirement, students must receive credit in a different activity course each semester. Not over 5.6 credits in activity courses allowed toward graduation.

14	Elementary Plays and Games....	2	4	D	WG		Warren
The following courses not open to lower division students:							
112	Methods and Materials of P. E. for Girls and Women .....	2	2	D	FH	201	Warren
125	Organization and Administration of Municipal and Community Recreation .....	3	3	D	FH	201	Warren
150	Organization and Supervision of Intramurals .....	2	1	D	FH	106	Campbell
The following courses open only to graduate students:							
R201	Research in Physical Education	3	2	D	FH	106	Potter
202	Problems Course in Contemporary Movements in P. E. ....	3	4	D	FH	106	Potter

<sup>1</sup> Tuition for Applied Music \$25.00 for 3 credits; \$17.00 for 2 credits; practice fee—organ \$7.50 per term; others \$2.50 per term.

SECOND TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
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PHYSICAL EDUCA.—Cont.							
204	Current Studies in the Administration of Athletics .....	2	3	D	FH	106	Huddleston

**Recreative Activities:** The following activities are offered without credit or additional tuition fees to regular Summer Session students during both sessions. The activities are primarily designed for those who wish to acquire certain skill and teaching technique in the respective sports as well as to provide enjoyable recreation activities for the Summer Session. Students should sign up for the courses or course of their choice during the regular classification period or in the Physical Education office in the Gymnasium Annex during the first week of school.

Archery .....	3:00-4:00	TTh	WG
Badminton .....	1:30-2:30	TTh	GA
Bait and Fly Casting .....	3:00-4:00	MW	GA
Golf (Men) .....	2:00-3:00	MW	GA
Golf (Women) .....	3:00-4:00	MW	GA
Recreational Games .....	3:00-4:00	MW	GA
Social Dancing .....	4:00-5:00	TTh	WG
Tennis (Men) .....	2:30-3:30	MWF	GA
Tennis (Women) .....	3:30-4:30	MWF	GA
Tap Dancing (Men) .....	1:30-2:30	MW	WG
Tap Dancing (Women) .....	3:00-4:00	TTh	WG
Modern Dance .....	3:00-4:00	MWF	WG
Volley Ball (Men) .....	12-1:00	D	MG
Activity Course for P. E. Majors	3:00-5:00	D	MG

PHYSICS

**Requirements for a Major. Prerequisites:** Junior standing; Physics 2a, 2b; Mathematics 19. **Required:** Mathematics 20a, 20b; Physics 125c; a minimum of 15 credits of advanced work in Physics, a comprehensive examination in the senior year.

**Requirements in Field of Concentration.** Forty credits of advanced work in the field of Physical Sciences, including the major work.

*1b <sub>1</sub>	Gen. Elem. Phys., Lec.....	5	{	1	D	PENCE	201	Hahn			
*1b <sub>2</sub>	Gen. Elem. Phys., Rec. ....			2	TThS				PENCE	206	Hahn
*1b <sub>21</sub>	Gen. Elem. Phys., Lab. ....			2, 3	MWF						
*51b	Introduction to Physics .....	3	1	D	PENCE	201	Hahn				
2b <sub>1</sub>	Gen. Col. Phys., Rec. ....	5	{	2	D	PENCE	103	Warburton			
2b <sub>11</sub>	Gen. Col. Phys., Lab. ....			3, 4	D				PENCE	107	Warburton
The following courses not open to lower division students:											
111	Electricity and Magnetism .....	3	1	D	PENCE	103	Warburton				
113	Fundamentals of Radio .....	3	4	D	PENCE	206	Hahn				

Other advanced courses in Physics will be offered if demand for them arises. For description of such courses consult the graduate bulletin.

POLITICAL SCIENCE

**Requirements for a Major. Prerequisites:** Junior standing; Political Science 15, 51. **Required:** At least one course in each of the five fields of Political Science; Political Science 180a and 190a; a comprehensive examination in the senior year; a minimum of 15 credits advanced work in Political Science.

\* Open to freshmen.

SECOND TERM—SUMMER 1939  
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
POLITICAL SCIENCE—Cont.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Social Studies, including the major work.							
*51	American Government .....	3	4	D	A	302	Trimble
The following courses not open to lower division students:							
159b	American Constitutional Development .....	3	2	D	A	302	Trimble
176	Legislation .....	3	3	D	A	203	Manning
The following course open to graduate students only:							
206	Special Problems in Public Administration .....	3	4	D	A	203	Manning
PSYCHOLOGY							
Requirements for a Major. Prerequisites: Junior standing; Psychology 1, 2a and 2b, 10, or their equivalent. Required: The student may choose as his field of concentration either the Biological or the Social Science group of subjects. In either case, 15 of the 40 credits in the field must be in courses in Psychology not open to freshmen.							
*1	Elementary Psychology .....	3	2	D	NH	304	White
7	Psychology of the Child .....	3	4	D	NH	306	Asher
The following courses not open to freshmen and sophomores:							
111	Mental Measurements .....	2	2	D	NH	300	Asher
114	Abnormal Psychology .....	2	3	D	NH	304	White
120a-b	Individual Work .....	2	By	Appt.	NH	200	Staff
The following courses open only to graduate students:							
203a, b, etc.	Problems in Psychology .....	2	By	Appt.	NH	204	Staff
210	Research in Psychology .....	3	By	Appt.	NH	204	Staff
ROMANCE LANGUAGES							
Requirements for a Major. Prerequisites: Junior standing; in French, Romance Languages 1a-b, 2a-b, 4a-b or 5a-b, 8a-b or 3a-b; in Spanish, Romance Languages 5a-b, 7a-b, 9a-b, 10a-b, 4a-b or 1a-b. Required: A minimum of 17 credits of advanced work in Romance Languages; Romance Languages 80a-b. Comprehensive examination in senior year.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy and the Arts, including the major work.							
*R1b	Elementary French (Cont.) .....	2	2	D	S	306	Holmes
R2b	Intermediate French (Cont.)....	2	2	D	S	306	Holmes
*R5b	Elementary Spanish (Cont.) .....	2	3	D	S	306	Holmes
R7b	Intermediate Spanish (Cont.)....	2	3	D	S	306	Holmes
The following courses not open to lower division students:							
R113b	Advanced French Grammar (Cont.) .....	2	4	D	S	306	Holmes

\* Open to freshmen.

**SECOND TERM—SUMMER 1939**  
**COLLEGE OF ARTS AND SCIENCES—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
ROMANCE LANGS.—Cont.							
R115b	French Lit. of the XVIII Century .....	2	4	D	S	306	Holmes
R114a, b, c, etc.	Independent Work in R. L.....	2	By Appt.				Holmes
Note.—No credit for duplicating work done in high school. If one unit is offered take 1b or 5b. No credit for 1a or 5a until 1b or 5b is passed.							
SOCIOLOGY							
Requirements for a Major. Prerequisites: Junior standing; Sociology 1a, 1b. Required: A minimum of fifteen credits of advanced work in Sociology; Sociology 20a, b. Comprehensive examination in senior year.							
Requirements in Field of Concentration. Credits to the number of 40 of advanced work in the field of Social Sciences, including the major work.							
The following courses not open to lower division students:							
110	Child Welfare .....	3	1	D	FH	105	Caldwell
102	Social Pathology .....	3	2	D	FH	105	Caldwell
ZOOLOGY							
Requirements for a Major. Prerequisites: Junior standing; Zoology 1a, 1b. Required: Zoology 7a, b, or 157a, b; Zoology 106; Zoology 108a, b; Zoology 114a, b; a minimum of fifteen credits of work above 1a, b; passing a comprehensive examination before graduation.							
Requirements in Field of Concentration. Forty credits of advanced work in the field of Biological Sciences, including the major.							
The following courses not open to lower division students:							
106 <sub>1</sub>	Embryology, Lec. ....	4	1, 2	D	S	5	Brauer
106 <sub>2</sub>	Embryology, Lab. ....						
108b	Prin. of Zoology (Heredity).....	2	4	D	McVH	111	Funkhouser
Note.—For Ethnology see Anthropology and Archaeology.							

**COLLEGE OF AGRICULTURE**

AGRONOMY							
11	Farm Crops .....	3	1	D	Agr.	304	Phillippe
ANIMAL INDUSTRY							
20	Animal Nutrition .....	3	4	D	D	109	Wilford
27	Horse Production .....	3	1	D	Agr.	301	Horlacher
106	Pork Production .....	3	3	D	D	109	Wilford
107	Sheep Production .....	3	2	D	Agr.	301	Horlacher
129	Dairy Bacteriology .....	4	1-3	D	D	113	Morrison
(July 17 to August 5.)							
HOME ECONOMICS							
125	Consumer Problems .....	3	3	D	Agr.	205	Deephouse
142	Home Management .....	5	2	D	Agr.	205	Deephouse

**SECOND TERM—SUMMER 1939  
COLLEGE OF ENGINEERING**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>APPLIED MECHANICS</b>							
100	Strength of Materials .....	4.0	3, 4	{ MTW } { ThF }	Eng.	232	Hawkins
<b>ELECTRICAL ENGINEERING</b>							
106 <sub>1</sub> 106 <sub>2</sub>	Alternating Currents, Rec..... Alternating Currents, Lab. ....}	4.0	{ 4 5, 6	D MWF	Eng.	234	Bureau or Barnett

**COLLEGE OF LAW**

107b	Crimes II .....	2	8:00-8:50	D	LB	100	Moreland
166	Sales .....	2	8:00-8:50	D	LB	213	Murray
173	Credit Transactions .....	2	9:00-9:50	D	LB	213	Roberts
179	Legal Ethics .....	2	11-11:50	D	LB	100	Murray
145	Insurance .....	2	10-10:50	D	LB	212	Roberts
154	Damages .....	2	11-11:50	D	LB	212	Moreland

**COLLEGE OF EDUCATION**

<b>ADMINISTRATION</b>							
The following course not open to freshmen and sophomores:							
101	School Organization .....	3	4	D	A	204	Kirkpatrick
The following courses open only to graduate students:							
202	Local School Administration....	3	3	D	A	204	Kirkpatrick
210	Special Problems in School Administration .....	3	By Appt.		E	229	Seay
229	The Elementary Principal .....	3	3	D	E	131	Duncan
213	State School Administration ....	3	4	D	E	222	Seay
214	The Secondary School .....	3	1	D	E	231	Ligon
212	The Elementary School .....	3	4	D	McVH	104	Rubado
232	High School Administration ....	3	2	D	E	131	Ligon
233	Administration of Teaching Personnel .....	3	2	D	A	204	Chamberlain
239	The Administration of Public Schools in Relation to Other Agencies .....	3	2	D	E	231	Seay
301a, b	Research Problems in Educational Administration .....	3	By Appt.		E	229	Seay
307a, b	Research Problems in Secondary Education .....	3	By Appt.		E	114	Ligon
308a, b	Research Problems in Elementary Education .....	3	By Appt.		E	136	Duncan
321a, b	Research Problems in Higher Education .....	3	By Appt.		A	112	Chamberlain

**SECOND TERM—SUMMER 1939**  
**COLLEGE OF EDUCATION—Continued**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
<b>AGRICULTURAL EDUCATION</b>							
179	The following course not open to freshmen and sophomores: Determining Content in Vocational Agriculture (Aug. 3-19)	3		By Appt.	E	226	Tabb, Hammonds
287c	The following courses open only to graduate students: Evening Schools (Aug. 3-19)....	3		By Appt.			Hammonds
287d	Directing Farm Practice (July 17-Aug. 2).....	3		By Appt.	E	226	Hammonds
<b>BUSINESS EDUCATION</b>							
158a	The following courses not open to freshmen and sophomores: Methods of Teaching Secretarial Subjects .....	2	4	D	WH	303	Guy
158b	Methods and Materials in Teaching Accounting .....	2	1	D	WH	102	Guy
192	Methods and Materials in General Business .....	3	3	D	WH	301	Guy
208a, b	The following course open only to graduate students: Problems in Business Education	3	2	D	WH	201	Lawrence
<b>EDUCATIONAL PSYCHOLOGY</b>							
118	The following courses not open to freshmen and sophomores: Educational Tests and Measurements for Elementary Teachers .....	3	1	D	E	222	Ross
122	Educational Tests and Measurements for High School Teachers .....	3	1	D	E	222	Ross
252	The following course open only to graduate students: Problems in Educational Psychology .....	3	2	D	E	222	Ross
<b>ELEMENTARY EDUCATION</b>							
20	The following courses not open to freshmen and sophomores: Industrial Arts in the Elementary Grades .....	2	2	D	E	170	Haines
110	Advanced Industrial Arts .....	2	3	D	E	170	Haines
172	Teaching of Reading .....	3	1	D	E	131	Duncan
229	The following courses open only to graduate students: The Elementary Principal .....	3	3	D	E	131	Duncan
212	The Elementary School .....	3	4	D	McVH	104	Rubado



SECOND TERM—SUMMER 1939  
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
HISTORY OF EDUCATION							
The following courses open only to graduate students:							
219	Great Educators and Their Work .....	3	1	D	FH	201	Patrick
235	History of Education in Kentucky .....	3	3	D	E	231	Patrick
237b	Problems in History of Education .....	3		By Appt.	E	233	Patrick
HOME ECONOMICS EDUCATION							
The following courses open only to graduate students:							
263	Current Problems in Home Economics Education (Aug. 3-Aug. 19) .....	3		By Appt.	E	104	Spickard
266a, b, c	or Seminar in Home Economics Education (Aug. 3-Aug. 19) ..	3		By Appt.	E	104	Spickard
268	Home Economics Curriculum Construction (July 17-Aug. 2) ..	3		By Appt.	E	104	Spickard
INDUSTRIAL EDUCATION							
The following course not open to freshmen and sophomores:							
S108	Coordination Techniques in Industrial Education (July 17-Aug. 2) .....	3		By Appt.	E	234	Hankins
MUSIC EDUCATION							
The following courses open only to graduate students:							
251	Problems in Public School and Community Music .....	3	3	D	McVH	103	Capurso
253	Independent Work in Music Education .....	3		By Appt.	E	126	Capurso
PHILOSOPHY OF EDUCATION							
The following courses not open to freshmen and sophomores:							
175g	Education of Handicapped Children .....	3	2	D	McVH	104	Nichols
175a	Modern Educational Problems ..	3	3	D	McVH	104	Nichols
186	Visual Teaching .....	3	3	D	FH	B	Clifton or Starnes
The following courses open only to graduate students:							
200	Philosophy of Education .....	3	3	D	E	222	Adams

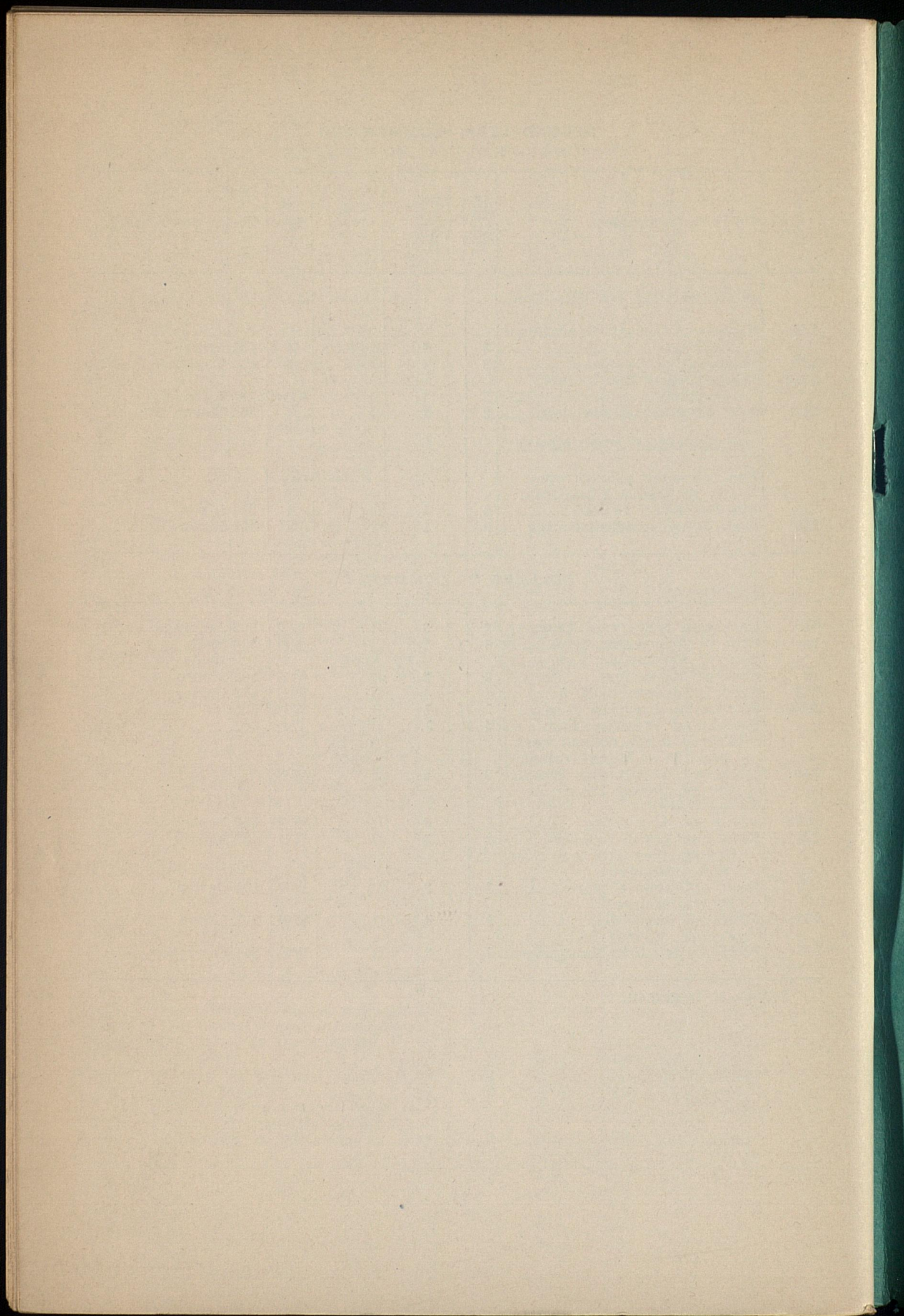
SECOND TERM—SUMMER 1939

Course No.	Subject	No. Crs.	Hour	Days	Bldg.	Room No.	Instructor
	PHILOSOPHY OF ED.—Cont.						
205	Review of Current Educational Literature .....	3	4	D	E	231	Meece
220	Comparative Education .....	3	4	D	E	131	Taylor
227b	Techniques of Curriculum Construction .....	3	1	D	McVH	104	Rubado
230	Adv. Educational Sociology.....	3	1	D	A	204	Meece
	SECONDARY EDUCATION						
	The following courses open only to graduate students:						
214	The Secondary School .....	3	1	D	E	231	Ligon
232	High School Administration ....	3	2	D	E	131	Ligon

COLLEGE OF COMMERCE

*2	Economic History of Europe....	3	3	D	WH	303	Jennings
7b	Prin. of Accounting, Rec.....	4	1	D	WH	306	Beals
	Prin. of Accounting, Lab. ....						
10	Prin. of Marketing .....	3	2	D	WH	303	Moore
*12	Econ. Geography of N. A.....	3	4	D	WH	303	Carter
R13b	Secretarial Practice, Rec.....	4	1	D	WH	301	
	Secretarial Practice, Lab.....						
	(Prereq. 2 yrs. college work and 13a or its equivalent.)		5	MTWTh	WH	301	
				or by Appt.			
14b	Advanced Secretarial Practice (Prereq. Course 14a or its equivalent.)	3	6	D	WH	301	Liles
106b	Advanced Accounting .....	3	5	D	WH	306	Beals
124	State and Local Taxation .....	3	3	D	WH	102	Martin
	(Prereq. open only to seniors and graduates.)						
126	Econ. of Public Utilities.....	3	2	D	WH	102	Carter
	(Prereq. Course 1.)						
135	Advanced Marketing .....	3	4	D	WH	201	Moore
	(Prereq. Course 10.)						
145	Problems in Office Management	3	3	D	WH	201	Lawrence

\* Open to freshmen.



# ORGANIZATION

UNIVERSITY OF KENTUCKY

Lexington, Kentucky

Frank L. McVey, Ph. D., LL. D., President

## COLLEGE OF ARTS AND SCIENCES

Paul P. Boyd, Ph. D., Dean

Courses in Arts, Sciences, Journalism

## COLLEGE OF AGRICULTURE

Thos. P. Cooper, B. S., Dean and Director

Courses in Agriculture and Home Economics

Experiment Station

Extension Division of Agriculture

## COLLEGE OF ENGINEERING

James Hiram Graham, C. E., Dean

## COLLEGE OF LAW

Alvin E. Evans, J. D., Dean

## COLLEGE OF EDUCATION

William Septimus Taylor, Ph. D., Dean

## COLLEGE OF COMMERCE

Edward Wiest, Ph. D., Dean

## GRADUATE SCHOOL

William D. Funkhouser, Ph. D., Dean

## SUMMER SESSION

Jesse E. Adams, Ph. D., Director

## UNIVERSITY EXTENSION DEPARTMENT

Louis Clifton, M. A., Director

