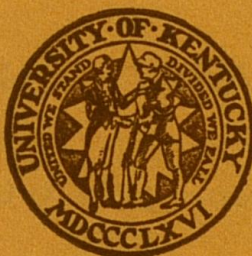


Bulletin of the

UNIVERSITY OF KENTUCKY



SUMMER SESSION, 1938

First Term: June 13 to July 16

Second Term: July 18 to August 20

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Vol. 30

MARCH

No. 3

UNIVERSITY SCHOOLS

Elementary—June 10 to July 15

High School—June 6 to July 22

COACHING SCHOOL

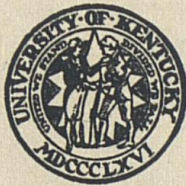
June 6 to June 11

PUBLIC HEALTH SCHOOL

June 13 to August 6

HDMAM

BULLETIN
OF THE
University of Kentucky



SUMMER SESSION, 1938

First Term: June 13 to July 16

Second Term: July 18 to August 20

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EXTRA-CURRICULAR EVENTS FOR 1938 SUMMER SESSION

FIRST TERM

JUNE

Thursday 16, 9:50 a. m.	Convocation, Memorial Hall, President Frank L. McVey, speaker
Thursday 16, 7:30 p. m.	Faculty Reception for students
Saturday 18, 8:00-12:00 p. m.	Dance and Bridge Party, Patterson Hall
Wednesday 22, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 23, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director
Saturday 25, 9:00-12:00 p. m.	Dance and Bridge Party, Patterson Hall
Tuesday 28, 9:00 a. m.	Convocation, Memorial Hall
Tuesday 28, 4:00 p. m.	All-University Picnic for faculty and students
Wednesday 29, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 30, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director

JULY

Wednesday 6, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 7, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director
Saturday 9, 9:00-12:00 p. m.	Dance and Bridge Party, Patterson Hall
Tuesday 12, 11:00 a. m.	Convocation, Memorial Hall. Hansel and Gretel Operetta, director, Carl Lampert
Wednesday 13, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 14, 7:00 p. m.	Band Concert, Amphitheatre, John Lewis, director

SECOND TERM

Wednesday 20, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 21, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director.
Friday 22, 9:50 a. m.	Convocation, Memorial Hall
Saturday 23, 9:00-12:00 p. m.	Dance and Bridge Party, Patterson Hall
Thursday 28, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director

AUGUST

Wednesday 3, 11:00 a. m.	Convocation, Memorial Hall
Thursday 4, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director
Thursday 11, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director
Friday 12, 9:00 a. m.	Convocation, Memorial Hall
Wednesday 17, 6:00 p. m.	Commencement Dinner
Thursday 18, 4:30 p. m.	Reception for graduates
Friday 19, 4:00 p. m.	Commencement, Memorial Hall

SUMMER SESSION CALENDAR

Monday	June 13	Registration for first term.
Tuesday	June 14	Classes begin.
Friday	June 17	Last date for making changes in registration or in schedule without payment of fee.
Monday	June 20	Last date upon which a student may register for credit for the first term's work.
Wednesday	June 22	Last date upon which a student may be dropped without a grade.
Friday	June 24	Faculty meeting in McVey Hall, Room 111.
Saturday	July 2	Last date upon which a student may withdraw and receive a refund on matriculation fee for the first term.
Monday	July 4	Holiday.
Saturday	July 16	Examinations for the first term.
Monday	July 18	Registration for second term.
Tuesday	July 19	Classes begin.
Friday	July 22	Last date for making changes in registration or in schedule without payment of fee.
Friday	July 22	Last date for making application for a degree.
Monday	July 25	Last date upon which a student may register for credit for the second term's work.
Wednesday	July 27	Last date upon which a student may be dropped without a grade.
Friday	July 29	Faculty meeting in McVey Hall, Room 111.
Saturday	August 6	Last date upon which a student may withdraw and receive a refund on matriculation fee for the second term.
Friday	August 19	Commencement.
Saturday	August 20	Examinations for second term.

SECOND TERM

Wednesday 20, 4:00-6:00 p. m.	Tea at Maxwell Place, President and Mrs. McVey, hosts
Thursday 21, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director.
Friday 22, 9:50 a. m.	Convocation, Memorial Hall
Saturday 23, 9:00-12:00 p. m.	Dance and Bridge Party, Patterson Hall
Thursday 28, 7:30 p. m.	Little Symphony Concert, Memorial Hall, Professor Carl Lampert, director

AUGUST

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Friday	August 19	Commencement.
Saturday	August 20	Examinations for second term.

OFFICERS OF THE SUMMER SESSION

FRANK LEROND McVEY, Ph. D., LL. D., President.
JESSE E. ADAMS, Ph. D., Director of the Summer Session.
BILLY WHITLOW, A. B., Secretary of the Summer Session.

OFFICERS OF ADMINISTRATION

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ALVIN E. EVANS, J. D., Dean, College of Law.
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MOSES EDWARD LIGON, A. M., LL. D., Acting Dean, College of Education.
EDWARD WIEST, Ph. D., Dean, College of Commerce.
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LOUIS CLIFTON, M. A., Director of University Extension.
MARGARET ISADORE KING, A. B., Librarian.

**On leave 1937-38.

FACULTY

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- ADAMS, JESSE EARL, Ph. D.
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Professor of Political Science, Head of the Department
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of Mechanical Engineering*
- WHITE, MARTIN M., Ph. D.
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Dean, College of Commerce; Professor of Economics
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- WILLIAMS, B. O., Ph. D.
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- WILLIAMSON, MARY LOIS, M. S.
Teacher Trainer and State Supervisor of Adult Education
- WILLSON, LOUISE, M. A.
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*Librarian, University High School and University Elementary
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- YOUNG, EARL ROBERT, B. S.
Instructor in Agricultural Engineering
- ZIRBES, LAURA, Ph. D.
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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.

One of the most interesting phases of the summer session at the University of Kentucky is the rapid growth in the graduate field. Of the 2,974 students enrolled in the two terms of the 1937 session, 44 per cent of them were graduate students.

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; Keeland 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 new United States Veterans' Hospital, the new 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.

MUSEUM OF ANTHROPOLOGY AND ARCHAEOLOGY

The building erected in 1908 for a library has now been remodeled and is used as an archaeological museum. In it is displayed the material which has been secured by the Department of Archaeology in its explorations and excavations in Kentucky and in other parts of the country. The museum is particularly rich in prehistoric artifacts, especially in flints and pottery, and in skeletal remains which are displayed in their characteristic graves.

MUSEUM OF GEOLOGY

The Museum of Geology, devoted primarily to the geology of Kentucky, is located in the Administration Building, Room 201. Here are displayed the minerals and rocks of economic value to the state, geologically interesting formations, and representative material from without the state. Conspicuous among the exhibits are three cases displaying the extensive collection of cave formations collected from the well-known caves of Kentucky. A large exhibit of fossil life, not only of Kentucky but elsewhere, includes a great variety of types varying from Kentucky petrified wood and other fossil vegetation to specimens of marine forms once inhabiting this region.

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 1938 Summer Session will include concerts, teas, dances, plays, tours, lectures, picnics, and convocations. For information on the extra-curricular program for 1938 see the calendar of social events on page 3 of this bulletin.

UNIVERSITY COMMONS

The food at the Commons is always of high quality and appetizing in character. Cafeteria patrons have the opportunity to choose well-balanced meals from a wide variety of hot and cold dishes or they may have the choice made for them in the form of plate luncheons and plate dinners. Food prices at the Cafeteria are the lowest to be had for the quality of food and service received.

PLACEMENT SERVICE

There is a constantly growing demand for the services of the graduates of the University of Kentucky. Placement services are maintained by the 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. Last year graduates were placed with nationally operating industrial concerns, credit investigating and reporting companies, wholesale houses, banks, insurance companies, and chain store companies. These positions included secretarial work, accounting, advertising, selling, personnel and statistical work.

The Placement Service 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 recrea-

tional 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, 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 51 and 73 of this bulletin.

COURSES IN PUBLIC HEALTH

The inception of the school for public health officers is a result of the cooperation of the State Board of Health and the State Health Officers together with the Department of Public Health at the University of Kentucky.

Courses offered in this department are designed to meet the needs of physicians, nurses and sanitary engineers in the field of health and related fields, and also to act as a means of disseminating knowledge in this field to university students and others.

The Department of Public Health offers courses leading to a degree in public health. The requirements in hours and residence work for a degree in this department are much the same as requirements for degrees in other departments of the University. For schedule see pages 46, 47, and 70.

EX-SERVICE MEN

Ex-service men who served in the World War, under the provisions of Kentucky Statutes, receive free tuition and room rent. This applies to the summer session as well as to regular sessions. It applies only to persons who were residents of Kentucky at the time of their enlistment. In order to receive the benefits of the law, such persons must file written application with the Registrar of the University. Such application must be accompanied by the certificate of discharge.

THE UNIVERSITY SCHOOLS AND DIRECTED TEACHING

The University Schools will be in session during the first summer term only. The term for the Junior and Senior High School will begin June 6 and close July 22. The term for the Elementary School

will begin June 10 and close July 15. 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 Schools, on or before June 7. Students taking Directed Teaching in the Elementary School should enroll with Mrs. May K. Duncan, Department of Elementary Education, on or before June 13. 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 Schools. Both the Elementary School and the High School maintain progressive 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 Schools should write the director of the summer session requesting reservations for their children.

The University Schools 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 Schools 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 Schools 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 1938 will

be ten weeks in length, six days a week, and will be divided into two terms, the first to begin June 13 and close July 16 and the second to begin July 18 and close August 20.

Classes during the summer session will begin at 7:00 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 school 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 certificates of graduation from an accredited high school will be admitted without examination. No student will be admitted as a candidate for a degree with less than fifteen units.

To the College of Law. 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 School.

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

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 health officers is \$75.00 for 8 weeks and for nurses and sanitary engineers \$50.00 for 8 weeks.

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

Late Classification Fee. Students who fail to arrange classification within the scheduled time will be charged a fee of \$1.00. No change in registration will be permitted after the dates indicated in the calendar.

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

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 permitted to matriculate after Thursday of the first week of the term without special permission of the heads of departments concerned and the Dean of the College. No student will be allowed to register for credit for the first term's work after June 20 nor for the second term's work after July 25.

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 thruout his course of 120 semester hours, would have 120 points and 120 credits, and a standing of *one*. An average mark of B would give the student 240 points and 120 credits and a standing of *two*. When a semester's work is to be considered 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. Bed linens are furnished but students should bring blankets, towels, and dresser scarfs. Room assignments will be made in order of application. Reservations not claimed by seven o'clock on the evening of June 13 or July 18, 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. Bed linen is included. Reservations not claimed by June 13 and July 18, 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. Men who have not made reservations should apply, upon arriving in Lexington, at the office of the 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.

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	*162.4	Semester hours

3. 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 22. 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, Economics, Geology, German, Journalism, Mathematics and Astronomy, Music, Philosophy, Physical Education, Physics, Political Science, Romance Languages, 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
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. Senior 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 ELECTIVES12 to 28 credits

5. TOTAL CREDITS REQUIRED 127

* If three units or more of a foreign language are offered for admission, six semester hours in the same language will be required; if two units are offered, nine will be required; if one unit or less is offered, twelve 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 Intern. 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	3	Science	2
P. E. 14—Plays and Games	1	Elective	6
Elective	3		
	16		16

JUNIOR YEAR

First Semester	Crs.	Second Semester	Crs.
Ed. 44—Fund. of Elem. Ed.	5	Soc. 1b—Prin. of Soc.	3
Ed. 42—Teaching Arithmetic	3	Ed. 172—Teaching Reading	3
Econ. 15—Economic Problems	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 (either semester)	10
*Ed. 133—Directed Teach. in Elem. Grades (either semester)	10	Zool. 108b—Hereditry	2
Ed. 118—Tests and Meas. for Ele. Teachers	2	†Ed. Elective	3
Electives	2	Electives	2
	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.

† Transfer students will be required to take a minimum of three semester hours in elementary education at the University of Kentucky before enrolling for practice teaching.

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. Senior 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 foreign language are offered for admission, six semester hours in the same language will be required; if two units are offered, nine will be required; if one unit or less is offered, twelve 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 Citizen- ship	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	3	Science	2
P. E. 14—Plays and Games	1	Elective	6
Elective	3		
	16		16

JUNIOR YEAR

First Semester	Crs.	Second Semester	Crs.
Ed. 44—Fund. of Elem. Ed.	5	Soc. 1b—Prin. of Soc.	3
Ed. 42—Teaching Arithmetic	3	Ed. 172—Teaching Reading	3
Econ. 15—Economic Problems	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 (either semester)	10
*Ed. 133—Directed Teach. in Elem. Grades (either semester)	10	Zool. 108b—Heredity	2
Ed. 118—Tests and Meas. for Ele. Teachers	2	†Ed. Elective	3
Electives	—	Electives	—
	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.

† Transfer students will be required to take a minimum of three semester hours in elementary education at the University of Kentucky before enrolling for practice teaching.

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 24.) 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.

Application 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 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; BH, Boyd Hall; D, Dairy; E, College of Education and Associated Schools; Eng., Engineering; ES, Experiment Station; FEL, Farm Engineering Laboratory; FH, Frazee Hall; GA, Gym Annex; 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.

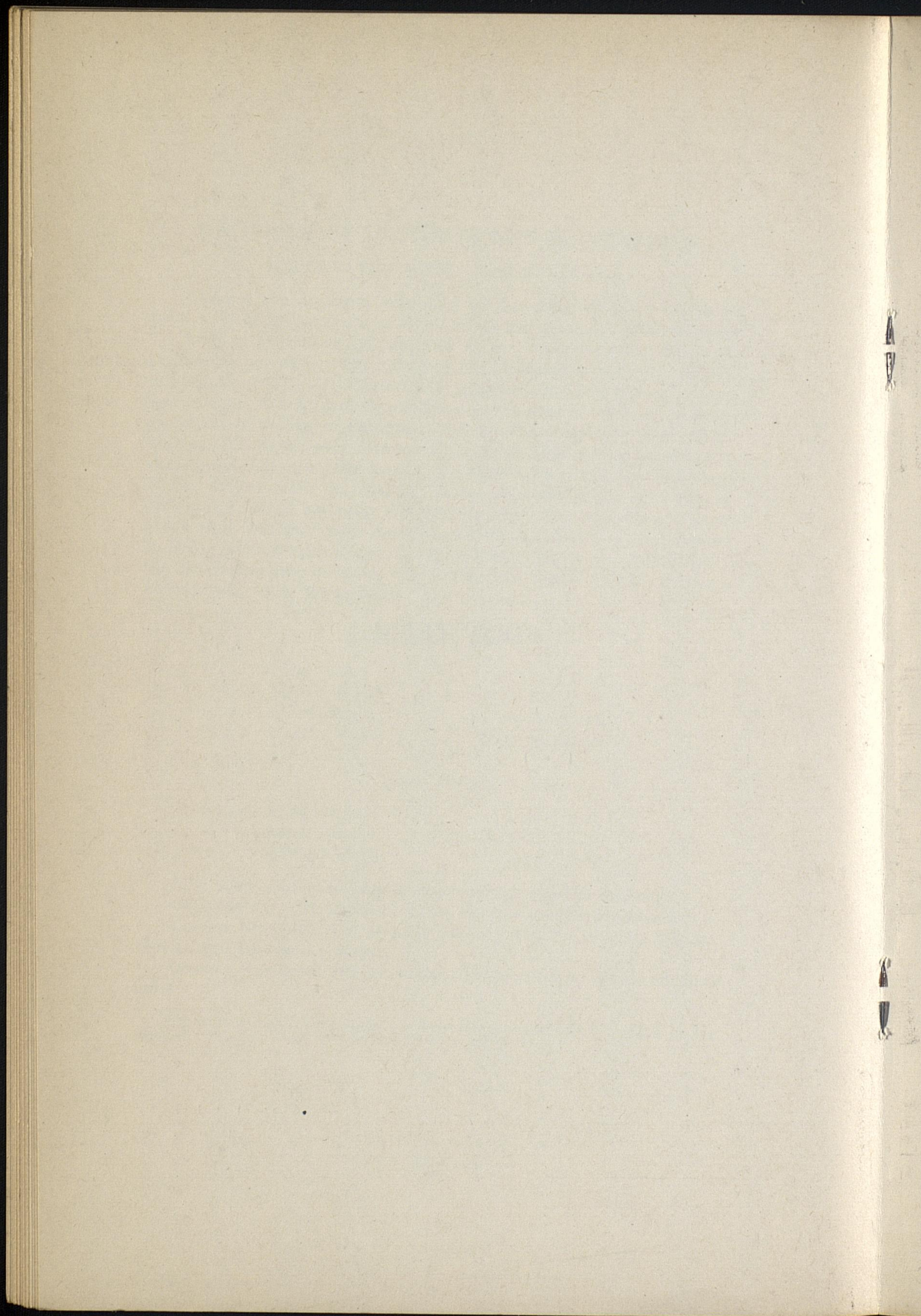
Only courses with numbers below 100 are open to sophomores.

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.

* 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 1938
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..	3	3	D	S	205	Allen
	(Designed for Teachers.)						
S109	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.

*S3, S4 S5, S6	Cicero, Virgil, Livy, Horace	2	By Appt.	D	A	303	Jones
	The following courses not open to freshmen and sophomores:						
150a	Teacher's Course in Latin.....	2	1	D	A	303	Jones
	(Based on first year's work.)						
S109a, b	Latin Literature (Selections)....	2	2	D	A	303	Jones
S120	Survey of Greek Civilization (in English)	2	3	D	A	303	Jones

ANTHROPOLOGY AND
ARCHAEOLOGY

105	The following course not open to lower division students: Ethnology	2	3	D	Museum	Funkhouser
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ART

Requirements for a Major. Lower Division: 10 credits in Drawing, Introduction to Art, History of Art. **Upper Division:** 21 credits minimum—9 to 12 credits in studio courses, 9 to 12 credits in History of Art Courses and Senior Seminar.

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ART—Continued							
Requirements in Field of Concentration: Forty credits of advanced work including Art, in the field of Literature; Philosophy and the Arts. Majors are expected to acquire a reading knowledge of French or German.							
*S1a	Drawing and Painting	2	1:30-5	D	AC	19	Barnhart
*S1b	Drawing and Painting	2	1:30-5	D	AC	19	Barnhart
S3a	Adv. Drawing and Painting	2	1:30-5	D	AC	19	Barnhart
S3b	Adv. Drawing and Painting	2	1:30-5	D	AC	19	Barnhart
The following course not open to freshmen and sophomores:							
139b	History of Modern Art	3	4	D	AC	18	Barnhart
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.							
Requirements in Field of Concentration: Forty credits in Biological Sciences Field, including the major work.							
Medical Technology Course: 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).							
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.							
56 ₁	Bacteriology of Foods, Lec.....	4	3	D	KH	B14	Weaver
56 ₂	Bacteriology of Foods, Lab.....		4	D	KH	Sb11	Weaver
The following courses not open to freshmen and sophomores:							
102 ₁	General Bacteriology, Lec.....	4	7-7:50	D	KH	B13	Scherago
102 ₂	General Bacteriology, Lab.....		7:50-9:40	D	KH	Sb12	Weaver
102 ₃	General Bacteriology, Lab.....		1:30-3:20	D	KH	Sb12	
103 ₁	Pathogenic Bacteriology, Lec.....	4	2	D	KH	B13	Scherago
103 ₂	Pathogenic Bacteriology, Lab.....		3	D	KH	Sb12	Scherago
110a	Laboratory Diagnosis	3	By Appt.	D	KH	Sb12	Scherago
The following courses open to graduate students only:							
201a	Research in Bacteriology	5	By Appt.	D	KH	Sb11	Weaver
203a ₁	Public Health Bacteriology, Lec.....	3	By Appt.	D	KH	B13	Scherago
203a ₂	Public Health Bacteriology, Lab.....					Sb12	Scherago
206 ₁	Bacteriology of Foods, Lec.....	4	By Appt.	D	KH	B14	Weaver
206 ₂	Bacteriology of Foods, Lab.....					Sb11	Weaver

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
BOTANY							
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 ₁	General Botany (Lec. and Rec.)	4	1	D	WH	101	McFarland
*1a ₂	General Botany (Lab.)						
15	Local Flora (Plant Identification)	3	2	D	WH	102	McFarland
(An occasional afternoon in field required for Bot. 15 to collect plants.)							
The following course not open to freshmen and sophomores:							
114	Plant Ecology	3	1	D	WH	102	McInteer
(An occasional field trip required for this course.)							
Note.—Other advanced courses may be offered if there is a sufficient demand.							
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.							
*1a	General Inorganic Chemistry	5	1, 2, 3	D	{ KH 101 KH 201 KH 209 }	101	Mitchell
4	Qualitative Analysis (Prereq. Chemistry 1b.)	4	1, 2, 3	D	{ KH 111 KH B1 }		
6	Qual. Anal. for Engr. (Prereq. 1b or 2b.)	4	1, 2, 3	D	{ KH 111 KH B1 }	111	Stewart
7	Organic Chemistry (Prereq. Chemistry 1b.)	4	1, 2	D	{ KH 214 KH 215 }		
The following courses not open to freshmen and sophomores:							
103	Qualitative Organic Analysis (Prereq. Chemistry 127b.)	5	By Appt.	D	KH	215	Barkenbus
106	Advanced Organic Chemistry (Prereq. Chemistry 127b.)	5	By Appt.	D	KH	215	Barkenbus
107	Sel. Prob. in Quant. Anal. (Prereq. Chemistry 109.)	5	By Appt.	D	KH	113	Stewart
151	Chemistry of the Vitamins	1	10:00-11	D	KH	214	Barkenbus
The following courses open to graduate students only:							
202	Quant. Anal. Research (Prereq. Chemistry 107.)	5	By Appt.	D	KH	113	Stewart

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
CHEMISTRY—Continued							
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
ECONOMICS							
<p>Requirements for a Major. Prerequisites: Junior standing; six credits in Economics, including Course 1. Required: 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 16a and b must be taken in the senior year to prepare for the required comprehensive examination.</p> <p>Requirements in Field of Concentration: Forty credits of advanced work in the field of Social Studies, including the major work.</p>							
*2	Economic History of Europe....	3	2	D	WH	303	Jennings
1	Principles of Economics	3	4	D	WH	306	Carter
7a	Principles of Accounting, Rec. } Principles of Accounting, Lab. }	4	1	D	WH	306	Beals
			By Appt.		WH	401	Beals
9	Forms of Business Org. (Prereq. Course 1.)	3	2	D	WH	306	Tolman
The following courses not open to freshmen or sophomores:							
102	Labor Problems	3	3	D	WH	306	Carter
105	Money and Banking	3	2	D	WH	207	Carpenter
107	Statistical Method	3	6	D	WH	401	Palmer
144	Property and Casualty Insurance	3	4	D	WH	207	Carpenter
149	Economics of Consumption	2	6	TWThF	WH	205	Sullivan
The following course open only to graduate students:							
203	History of Economic Thought..	3	4	D	WH	205	Wiest
ENGLISH							
<p>Requirements for a Major. Prerequisites: Junior standing; English 1a, 1b, 3a, 3b. Required: A minimum of 18 credits of advanced work in English.</p> <p>Requirements in Field of Concentration: 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	
*1b	English Composition	3	2	D	McVH	210	Yates
3a	History of English Literature....	3	3	D	McVH	210	Yates
7a	Elements of Public Speaking	3	1	D	McVH	230	Sutherland
20	Speech Training	3	2	D	McVH	230	Sutherland

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ENGLISH—Continued							
S30 ₁	Business English	3	1	D	McVH	211	Cundiff
S30 ₂	Business English	3	3	D	McVH	204	Cundiff
The following courses not open to freshmen and sophomores:							
111b	English Novel after Scott.....	3	2	D	McVH	200	Knight
116	The Contemporary Drama	3	3	D	McVH	231	Farquhar
124	The Renaissance	3	2	D	McVH	211	Dantzler
125	Pronunciation of Modern English	3	3	D	McVH	211	Dantzler
133	Development of American Realism	3	3	D	McVH	200	Knight
155a	Contemporary Poetry	3	1:30-3:30	D	McVH	211	Ransom
(First 2½ weeks.)							
The following course open to graduate students only:							
210a	Seminar	3	4	D	McVH	231	Farquhar
GEOLOGY							
Requirements for a Major. Prerequisites: Geology 22a, 22b. Required: Geology 26a, 26b 9a, 9b, 101a, 101b, 106a, 106b, 109a, 109b, 124a, 124b, 118a, or 118b; a comprehensive examination in the senior year. Field Work: An early summer field trip. Geology 118a, or 118b, is required of major students for graduation.							
Requirements in Field of Concentration: Forty credits in the field of Physical Science, including the major work.							
*24a	Elements of Geography	3	3	D	S	203	Robinson
*24b	Elements of Geography	3	4	D	S	203	Robinson
*14a	Elementary Field Geology	1	1:00-5:00 p. m.	W	S	203	McFarlan
*14c	Elementary Field Geology	1	1:00-5:00 p. m.	TTh	S	203	Young
23a, b	Elementary Field Work in Regional Geology (Black Hills, South Dakota)	2	(May 30-June 19)				McFarlan and Young
The following courses not open to freshmen and sophomores:							
120a	Geology of Kentucky (No prereq.)	3	2	D	S	203	McFarlan
118a-d	Field Work in Regional Geology (Black Hills, South Dakota)	2	(May 30-June 19)				McFarlan and Young
GERMAN LANGUAGE AND LITERATURE							
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.							
*1a	Elementary German	3	2	D	A	205	Bigge
*1b	Elementary German	3	2	D	A	205	Bigge

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
GERMAN LANGUAGE AND LITERATURE—Continued							
2a	Intermediate German	3	3	D	A	205	Bigge
2b	Intermediate German	3	3	D	A	205	Bigge
3a	Selected Readings	3	By Appt.	D	A	205	Bigge
6a	Scientific German	3	By Appt.	D	A	205	Bigge
The following courses not open to freshmen and sophomores:							
102a	Twentieth Century Literature..	3	By Appt.	D	A	205	Bigge
105a-d	Independent Work	3	By Appt.	D	A	205	Bigge
HISTORY							
Requirements for a Major. Prerequisites: History 2a, 2b or 4a and 4b. 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.							
*4a	Modern Europe to the French Revolution	3	1	D	FH	204	Lunde
*4b	Modern Europe since the French Revolution	3	3	D	FH	204	Lunde
*5a	History of the U. S. to 1860.....	3	3	D	FH	302	Clark
The following course not open to freshmen:							
40	History of Kentucky	2	2	D	FH	302	Clark
The following courses not open to freshmen and sophomores:							
S100b	History and Foreign Policy of the U. S. since 1860	2	4	D	FH	202	Dupre
S115	Renaissance in the North	2	2	D	FH	204	Tuthill
S175	The Succession States	2	2	D	FH	202	Dupre
S176	The Third French Republic	2	3	D	FH	202	Dupre
S180	History of the New South.....	2	1	D	FH	202	Clark
The following course open only to graduate students:							
S202	The American Revolution	2	4	D	FH	304	Knapp
HYGIENE AND PUBLIC HEALTH							
*9	Hygiene for Teachers	2	2	D			Heinz
The following courses not open to freshmen and sophomores:							
100a	Public Health	3	3	D			Heinz
The following courses open to Public Health Nurses:							
100a	Public Health (Eight weeks)....	3	2	D			Chambers, Heinz
104	Maternal and Child Health (Eight weeks)	2	1	D			Griffin Ratliff
			{ Except Monday }				
120a	Mental Hygiene	3	2	D	NH	300	

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
HYGIENE AND PUBLIC HEALTH—Continued							
124a	Public Health Nursing (Eight weeks)	3	4	D			Rood
125a, b, c, d	Supervised Field Work	3	By Appt.	D			Rood
160	Community Health Education..	2	2	D			Rood
The following course open to Sanitary Inspectors: (July 18–August 6.)							
S115	Communicable Diseases	2	8:00–10 a. m.	D			Hamilton
The following courses open to Health Officers: (Eight Weeks.)							
204	Maternal and Child Health	2	8:00–10 a. m.	MWF			Griffin
S200	Epidemiology	3	2:00–4:00 p. m.	MTWTh			Chambers
S212a	Public Health Administration..	3	10:00–12 a. m.	MTThF			Mustard
218a	Biostatistics	3	8:00–10 a. m.	MWFS			
218b	Biostatistics	2	8:00–10 a. m.	TTh			
220	Mental Hygiene	2	10:00–12 a. m.	MWF			Rogers
290	Seminar	1	2:00–4:00 p. m.	F			Staff
JOURNALISM							
Requirements for a Major. Prerequisites: Journalism 1a, 1b, and either 11 or 12. Required: Journalism 104a, 104b, 105, 106, 107, 108, and 90a, b. Major students are required to enroll in tutorial course during the senior year and to pass a final comprehensive examination in Journalism.							
Requirements in the Field of Concentration: Forty credits in the field of Literature, Philosophy, and the Arts, including the major work in approved courses not open to freshmen.							
The Degree of A. B. in Journalism: Two sequences are offered which, when completed, lead to the degree of A. B. in Journalism. See catalog outlines.							
*1a	Reporting	3	2	D	McVH	54	McLaughlin
The following courses not open to freshmen and sophomores:							
110	Supervision of H. S. Publications	3	2, 3	D	McVH	50	Portmann
111	Verbal Criticism	3	2	D	McVH	53	Tucker
112	Critical Writing for the Press..	3	3, 4	D	McVH	53	McLaughlin
125	Magazine Article Writing	3	4	D	McVH	54	Tucker

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
LIBRARY SCIENCE							
<p>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.</p> <p>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: 30 credits or full curriculum advised.</p> <p>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.</p>							
105	The following general course not open to lower division students (designed for the teacher or teacher-librarian): Reading Guidance (The above course, or S105, 3 hrs., is acceptable to the State Department on the six-hour requirement for teacher-librarians.)	2	1	D	UL	314	Ethell
The following professional courses not open to lower division students:							
126	Administration	3	3	D	UL	314	Ethell
129a	Classification and Cataloging.....	3	2	D	UL	314	Baker
129b	Advanced Cataloging	2	4	D	UL	411	Baker
(Prerequisite 129a.)							
133a	Reference and Bibliography	3	4	D	UL	314	Smith
138	Methods of Teaching Use of Library	2	3	D	UL	411	Garris
(Prerequisite 133a.)							
139	Field Work	2	As arranged		E	Lib.	Wood
150	Book Selection (General)	3	1	D	UL	313	Garris
154	Seminar in Library Problems.....	2	2	D	UL	411	Smith
(Prerequisites 133a, 126, 150a advisable.)							
<p>Special Problems: The Department will be glad to consider the feasibility of offering special work, if written request is made before May 1.</p>							
MATHEMATICS AND ASTRONOMY							
<p>Requirements for a Major. Prerequisites: Junior standing; Courses 2, 17, 18, 19, 20a, 20b, will be counted on the major if it is taken during the junior year. 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.</p>							

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
MATHEMATICS AND ASTRONOMY—Continued							
Requirements in Field of Concentration: Forty credits of advanced work in the field of Physical Sciences, including major work.							
*S14	Mathematics of Finance	3	1	D	McVH	107	Brown
*17	College Algebra	3	2	D	McVH	107	Brown
20a	Differential Calculus	4	7:25-9:05	D	McVH	129	Boyd
The following courses not open to freshmen and sophomores:							
103	Theory of Equations	3	4	D	McVH	128	Downing
S107	Projective Geometry	2	{ 9:50- }	D	McVH	129	Boyd
The following course open only to graduate students:			{ 10:40 }				
204	Calculus of Variations	3	2	D	McVH	128	Downing
MUSIC							
Requirements for a Major. Prerequisites: Junior standing; Music 21a-b; 25a-b; Applied Music 6 credits; Psychology 1. Required: A minimum of fifteen credits of advanced work in Music to be selected from Music 4a-b; 11a-b; 12a-b; 13a-b; 19a-b; 26; 30a-b; and 42.							
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 given in General catalog.)							
*9a	Organization and Training of Musical Groups (Strings).....	1	1	D	AC	8	Lampert
*9b	Organization and Training of Musical Groups (Brass)	1	3	D	AC	24	J. Lewis
*9c	Organization and Training of Musical Groups (Woodwinds).....	1	4	D	AC	24	J. Lewis
*15a-h	Applied Music—Piano	3		By Appt.			J. Lampert
*16a-h	Applied Music—Strings	3		By Appt.			C. Lampert
*17a-h	Applied Music—Voice	3		By Appt.			Dantzler, Dagley
*18a-h	Applied Music—Organ	3		By Appt.			Cullis
*31a-h	Applied Music—Woodwind	3		By Appt.			J. Lewis
*32a-h	Applied Music—Brass	3		By Appt.			J. Lewis
*21a	Sight Reading	2		By Appt.			M. Lewis
*S25a	Elementary Harmony	2	2	D	AC	8	Capurso
*39a-d	Mixed Chorus (Admittance by permission of Professor Lampert. No credit for B. S. in Music or Music Majors)....	1	5	D	AC	8	Lampert
4a ₁	Public School Music (All except B. S. in Music and Music Majors)	2	4	D	AC	7	M. Lewis
4a ₂	Public School Music (N. S. in Music and Music Majors).....	2		By Appt.	AC	9	M. Lewis
4b	Public School Music	2	3	D	AC	7	M. Lewis
14	Orchestration and Conducting..	2	2	D	AC	8	Lampert

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
MUSIC—Continued							
S11a	Advanced Harmony (Prereq. 25a, b)	2	2	D	AC	24	J. Lewis
12a	Counterpoint and Composition	2		By Appt.	AC	9	Lampert
13a	Form and Analysis (Prereq. 25a, b)	2		By Appt.	AC	9	Capurso
S19a	History and Appreciation of Music	2	3	D	AC	8	Lampert
28a	Concert Band	1	3 p. m.	D	AC	8	J. Lewis
The following courses open only to graduate students:							
110a-h	Independent Work in Music	2		By Appt.			C. Lampert
133	The Function of Music in Education	3	2	D	AC	7	van de Wall
215a	Applied Music—Piano	3		By Appt.			J. Lampert
216a	Applied Music—Strings	3		By Appt.			C. Lampert
217a	Applied Music—Voice	3		By Appt.			Dantzer, Dagley
218a	Applied Music—Organ	3		By Appt.			Cullis
228a	Concert Band	1	3 p. m.	D	AC	8	J. Lewis
PHILOSOPHY							
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 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.							
51	Ethics	3	2	D	FH	205	Kuiper
The following course not open to freshmen and sophomores:							
110	The Making of the Modern Mind	3	4	D	FH	205	Kuiper
PHYSICAL EDUCATION							
Requirements for a Major. Prerequisites: Junior standing; 6 credits of Physical Education. Required: Physical Education 60a, b, 29, 123, 124, 120; Psychology 7; Anatomy and Physiology 4 and 5. A minimum of 16 credits of advanced work in Physical Education. All major students are required to enroll in Physical Education. Tutorial course during the senior year and pass the comprehensive examination in Physical Education.							
Requirements in Field of Concentration: Forty credits of advanced work in the field of Biological Sciences, including the major work.							
Graduate students are required to take the activity course in Physical Education.							
14	Elementary Plays and Games....	2	4	D	WG		Hackensmith
The following courses not open to freshmen or sophomores:							
125	Organization and Administration of Municipal and Community Recreation	3	1	D	FH	201	Shively

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
PHYSICAL EDUCA.—Cont.							
128	Prin. and Methods of Physical Education	3	3	D	FH	201	Shively
150	Organization and Supervision of Intramural Athletics	2	2	D	FH	201	Hackensmith
The following courses open only to graduate students:							
200	Graduate Seminar in Physical Education	2	3	D	FH	205	Hackensmith
S201-	Research in Phys. Education....	3	2	D	FH	105	Potter
202	Problems Course in Contemporary Movements in Phys. Ed.	3	4	D	FH	201	Potter
Coaching School (June 6—June 11.)							
S131	Advanced Basketball	1.5	7-9:30 p. m.	D	AG		Rupp, Hinkle
S142	Advanced Football	1.5	{ 9:30-12 a. m. 1:30-5 p. m. }	D	AG		Ingwerson, McMillin, Wynne <i>KIRWAN</i>

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 with Mr. Shively during the regular classification period or in the Physical Education office in the Gymnasium Annex during the first week of school.

Archery (Men and Women).....	3:00-4:00	TTh	WG
Badminton (Men and Women)..	1:30-2:30	TTh	GA
Golf (Men)	1:30-2:30	MWF	AG
Golf (Women)	2:30-3:30	MWF	AG
Tennis (Men)	2:30-3:30	MWF	GA
Tennis (Women)	1:30-2:30	MWF	GA
Tap Dancing (Men)	2:30-3:30	TTh	WG
Tap Dancing (Women)	1:30-2:30	TTh	WG
Social Dancing (Men and Women)	4:00-5:00	TTh	WG
Volley Ball (Men)	12:30-2	MWF	GA
Activity Course for Physical Education Majors	3:30-5:00	MWF	AG

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.

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
PHYSICS—Continued							
*1a ₁	General Elem. Phys., Lec.....	5	1	D	PENCE	201	Koppius
*1a ₂	General Elem. Phys., Rec.....		2	TThS	PENCE	206	Koppius
*1a ₂₁	General Elem. Phys., Lab.....	3	8:25-10:15	MWF	PENCE	305	Pardue
*51a	Introduction to Phys., Lec.....						
2a ₁	Gen. Col. Phys., Rec.	5	2	D	PENCE	103	Pardue
2a ₁₁	Gen. Col. Phys., Lab.....		3, 4	{MTW } {ThF }			

The Department of Physics in the Summer Session is anxious to serve the needs of graduate students and of high school physics teachers, and invites inquiry regarding its program. According to demand, the advanced work will be selected from the following courses: Theory of Heat, Theory of Light, Electricity and Magnetism, Theoretical Mechanics, Thermodynamics, X-Rays, Radio Communication, Physical Manipulations. For description of these and other advanced courses consult the graduate bulletin which may be had by writing to the Graduate School of the University.

POLITICAL SCIENCE

Requirements for a major. Prerequisites: Junior standing; Political Science 15, 51. Required: Political Science 180a and 190a; a comprehensive examination in the senior year; a minimum of 15 credits advanced work in Political Science. Requirements in Field of Concentration: Forty credits of advanced work in Field of Social Studies, including the major work.

*51	American Government	3	3	D	A	203	Manning
The following course not open to freshmen and sophomores:							
159b	American Constitutional Development	3	4	D	A	302	Trimble
The following courses open only to graduate students:							
211	The Constitution and Civil Rights	3	3	D	A	302	Trimble
206	Special Problems in Public Administration	3	2	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	3	D	NH	300	Miner
1	Elementary Psychology	3	3	D	NH	300	Ratliff
(8 Weeks.)							
7	Psychology of the Child	3	1	D	NH	306	Asher
11	Fields of Psychology	3	4	D	NH	300	White
The following courses not open to freshmen and sophomores:							
104	Social Psychology	3	2	D	NH	304	White
111	Mental Measurements	3	3	D	NH	205	Asher
121	Student Personnel	3	2	D	NH	205	Miner

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
PSYCHOLOGY—Continued							
122	Personality Maladjustments.....	3	3	D	NH	304	Dimmick
123	Practice in Testing	3	4	D	NH	205	Dimmick
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
ROMANCE LANGUAGES							
Requirements for a Major. Prerequisites: Junior standing; in French, Romance Languages 1a-b, 2a-b, 5a-b or 4a-b, 8a-b or 3a-b; in Spanish, Romance Languages 5a-b, 7a-b, 9a-b, 10 a-b, 1a-b or 4a-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.							
*S1a	Elementary French	2	2	D	S	307	Horsfield
(Special work for students wishing to pass the examination for a reading knowledge of the language.)							
*S1b	Elementary French (Cont.).....	2	2	D	S	307	Horsfield
S2a	Intermediate French	2	3	D	S	309	Horsfield
S2b	Intermediate French (Cont.)....	2	3	D	S	309	Horsfield
S6a	French Novel and Drama.....	2	4	D	S	306	Horsfield
*S5a	Elementary Spanish	2	2	D	S	306	Holmes
*S5b	Elementary Spanish (Cont.)....	2	2	D	S	306	Holmes
S7a	Intermediate Spanish	2	1	D	S	306	Holmes
S7b	Intermediate Spanish (Cont.)....	2	1	D	S	306	Holmes
The following courses not open to freshmen and sophomores:							
S116a	French Lit. of XX Century.....	2	4	D	S	306	Horsfield
S115a	French Lit. of XVIII Century....	2	3	D	S	307	Holmes
114a, b, c, etc.	Independent Work in Romance Languages	3	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 before 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 Studies, including the major work.							
*1a	Principles of Sociology	3	1	D	FH	106	Best
19	Social Work Information	3	3	D	FH	105	Palmer
The following courses not open to lower division students:							
103	Criminology	3	2	D	FH	106	Best
112	Community Organization	3	4	D	FH	105	Palmer

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
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.							
11	Nature Study	3	2	D	S	108	Allen
25	General Animal Biology	3	3	D	S	108	Brauer
Not open to lower division students:							
101a	Histology	3	1, 2	D	S	5	Brauer
102	Ornithology	3	1	D	S	108	Allen
108b	Prin. of Zoology (Heredity).....	2	4	D	Mus.	1	Funkhouser
Note.—For Ethnology see Anthropology and Archaeology.							

COLLEGE OF AGRICULTURE

AGRICULTURAL ENTOMOLOGY							
10 ₁	Agricul. Entomolgy, Lec.....	3	4	D	AE	106	Townsend
10 ₂	Agricul. Entomology, Lab.....						
102 ₁	Adv. Agricul. Entomol. Lec.....	3	3	D	AE	106	Townsend
102 ₂	Adv. Agricul. Entomol., Lab.....						
AGRONOMY							
105	Advanced Crops	3	1, 2	D	AE	106	Kinney
(June 30 to July 16.)							
ANIMAL INDUSTRY							
31	Market Classes and Breeds.....	3	2	D	SP	106	Garrigus
107	Sheep Production	3	1	D	Agr.	303	Horlacher
119	Genetics	3	1	D	D	212	Martin
120	Systems of Livestock Produc...	3	3	D	Agr.	303	Horlacher
125	Dairy Cattle Feeding and Mgt...	3	1, 2	D	D	109	Ely
FARM ENGINEERING							
101a	Special Problems	3	1-4	D	AE	201	Young
(June 30 to July 16.)							
HORTICULTURE							
113	Landscape Gardening	3	1-4	D	Agr.	304	Elliott
(June 13 to June 29.)							

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF AGRICULTURE—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
SPECIAL GRADUATE COURSES IN AGRICULTURAL ECONOMICS (June 13 to June 29.)							
FARM ECONOMICS							
S108	Land Problems	1	8:00-8:50	D	D	113	Nicholls
122b	Rural Life	1	10-10:50	D	D	113	Williams
MARKETS AND RURAL FINANCE							
S111	Agricultural Prices	1	9:00-9:50	D	D	113	Card, Stine
S132	Current Problems in Agricultural Economics	1	11-11:50	D	D	113	Price and Staff
HOME ECONOMICS							
6a	Foods	3	1, 2	D	Agr.	{103 } 301	Barkley
6b	Foods	3	3, 4	D	Agr.	{103 } 301	Barkley
16	Elementary Nutrition	3	3	D	Agr.	205	Grundmeier
41	Housing	3	2	D	Agr.	303	
46 ₁	Clothing, Lec.	3	4	TTh	Agr.	301	Latzke
46 ₂	Clothing, Lab.						
116 ₁	Adv. Costume Design, Lec.	3	2	MTWTh	Agr.	202	Seeds
116 ₂	Adv. Costume Design, Lab.						
117 ₁	Interior Decoration, Lec.	3	4	MWFS	Agr.	301	Seeds
117 ₂	Interior Decoration, Lab.						
121a	Special Problems in Clothing, Textiles, Related Art	2	1	D	Agr.	202	Latzke
121b	Special Problems in Clothing, Textiles, Related Art	2	1	D	Agr.	202	Latzke
124	Dietetics	4	1, 2	D	Agr.	205	Grundmeier
142	Home Management	5	3	D	Agr.	303	

COLLEGE OF ENGINEERING

CIVIL ENGINEERING							
120	Hydraulics	2.0	3	{ MTW } { ThF }	Eng.	214	Cheek
ELECTRICAL ENGINEERING							
101	Elements of Elec. Eng. Machinery	3.0	3	{ MTW } { ThF }	Eng.	206	Bureau
	For Civ., Met., Min. Engineers. (Prereq. Physics 1b or 2b.)						

FIRST TERM—SUMMER 1938
COLLEGE OF ENGINEERING—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ELECTRICAL ENG.—Cont.							
105 ₁	D. C. Circuits and Machinery, Rec.	4.0	4	D	Eng.	206	Bureau
105 ₁₁	D. C. Circuits and Machinery, Lab. For Elec., Mech. Engineers. (Prereq. Physics 2b.)						
109	Electrical Power Equipment..... (Prereq. E. E. 106.)	4.0	2, 3	{ MTW } { ThF }	Eng.	202	Freeman
ENGINEERING DRAWING							
1	Elementary Engineering Drawing	2.0	18 hrs. By	Appt.	Eng.	216	Horine
3 ₁	Descriptive Geometry, Lec.....	3.0	2	D	Eng.	205	Horine
3 ₁₁	Descriptive Geometry, Lab.....						
12b	Kinematic Drawing	2.0	18 hrs. By	Appt.	Eng.	216	Hawkins
19	Mechanical Drawing	1.0	10-12a.m.	TThS	Eng.	216	Horine
ENGINEERING MECHANICS							
11	Analytical Mechanics	4.0	1, 2	{ MTW } { ThF }	Eng.	201	Johnson
12	Kinematics	2.0	3	{ MTW } { ThF }	Eng.	205	Hawkins
15b	Machine Design (Elec.)	2.0	18 hrs. By	Appt.	Eng.	216	Jett
19	Machine Design (Mech.)	3.0	27 hrs. By	Appt.	Eng.	216	Jett
MECHANICAL ENGINEERING							
101b	Mech. Eng. Design	3.3	30 hrs. By	Appt.	Eng.	216	West
102	Elements of Recip. Machines....	2.0	2	{ MTW } { ThF }	Eng.	214	Jett
104	Engineering Thermodynamics..	4.0	3, 4	{ MTW } { ThF }	Eng.		Spicer
SANITARY ENGINEERING							
24	Sanitary Engineering (For Inspectors)	3.0	1-3 p. m.	MTh	Eng.	214	Cheek, Handorf
	Includes 4 weeks of Field Work.		1-4 p. m.	T			
157	Sanitary Engineering (For Health Officers)	1.0	3-4 p. m.	MTh	Eng.	214	Cheek, Handorf

FIRST TERM—SUMMER 1938
COLLEGE OF LAW

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
101a	Contracts I	2	8:00-8:50	D	Law	102	Evans
105	Agency	2	11-11:50	D	Law	103	Roberts
122	Property III	2	9:00-9:50	D	Law	103	Roberts
163	Wills	2	11-11:50	D	Law	102	Evans
173	Federal Procedure	2	8:00-8:50	D	Law	103	Randall
	This period is reserved for making up missed periods.		10-10:50	D	Law		

COLLEGE OF EDUCATION

ADMINISTRATION							
	The following courses not open to freshmen and sophomores:						
101	School Organization	3	4	D	E	222	Seay
198	The Administration of Pupil Personnel (First 2½ weeks)	3	2, 3	D	McVH	109	Walton
	The following courses open only to graduate students:						
202	Local School Administration.....	3	4	D	A	204	Hill
207	School Buildings and Equipment	3	1	D	A	204	Chamberlain
210	Special Problems in School Administration	3	By Appt.		E	232	Seay
225	Supervision of Instruction	3	3	D	E	222	Seay
229	The Elementary Principal	3	1	D	E	131	Duncan
231	Financing Public Education	3	3	D	A	204	Hill
232	High School Administration.....	3	4	D	McVH	100	Crawford
238	Trends in Higher Education.....	3	2	D	A	204	Chamberlain
301a, b	Research Problems in Educational Administration	3	By Appt.		E	232	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 (First 2½ weeks)	3	By Appt. D		E	226	Hammonds
	The following courses open only to graduate students:						
287b	Selecting Teaching Materials (Second 2½ weeks)	3	By Appt. D		E	226	Armstrong
287c	Evening Schools (Second 2½ weeks)	3	By Appt. D		E	220	Woods
287d	Directing Farm Practice (Second 2½ weeks)	3	By Appt. D		E	219	Hammonds

FIRST TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
BUSINESS EDUCATION							
The following courses not open to freshmen and sophomores:							
158a	Methods of Teaching Secretarial Subjects	2	2	D	WH	301	Guy
158b	Methods and Materials in Teaching Accounting	2	1	D	WH	207	Guy
192	Methods and Materials in General Business	3	4	D	WH	301	Guy
193	Directed Teaching in Commerce	6		By Appt.	E	134	Williams, Betz
The following courses open only to graduate students:							
203a	Problems in Business Education	3	3	D	WH	207	Lawrence
257	Seminar in Business Education	1	3 to 4:15	TTh	WH	207	Lawrence
259	The Commerce Curriculum	3	2	D	WH	207	Lawrence
DISTRIBUTIVE OCCUPATIONS EDUCATION							
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
EDUCATIONAL PSYCHOLOGY							
The following course not open to freshmen and sophomores:							
122	Educational Tests and Measurements for High School Teachers	3	2	D	McVH	100	Crawford
The following course open only to graduate students:							
223	Educational Statistics	3	1	D	E	222	Ross
ELEMENTARY EDUCATION							
Note.—For Public School Art and Public School Music see Art and Music Departments.							
The following courses not open to freshmen and sophomores:							
20	Industrial Arts in the Elementary School	2	4	D	E	170	Haines
42	Teaching Arithmetic in the Elementary School	3	4	D	E	131	King
44	Fundamentals of Elementary Education	5	2, 3	D	E	170	Haines

FIRST TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ELEMENTARY EDUC.—Cont.							
*S133	Directed Teaching in the Elementary School (Seniors only)	6	8-12	D	E	136	Duncan and Trn. Teachers
141	Problems in Diagnostic and Remedial Reading (First 2½ weeks)	3					
S174	Pre-school Theory and Management	3	2	D	E	Kdg.	King
196	Science in the Elementary School	3	1	D	E	Kdg.	E. Adams
224a	The following course open only to graduate students: Organization and Supervision of Student Teaching	3	3	D	E	126	Williams, Duncan
229	The Elementary Principal	3	1	D	E	131	Duncan
HISTORY OF EDUCATION							
121	The following course not open to freshmen and sophomores: History of Education in the U. S.	3	3	D	McVH	106	Rhoton
219	The following course open only to graduate students: Great Educators and Their Work	3	4	D	McVH	106	Rhoton
HOME ECONOMICS EDUCATION							
165b	The following course not open to freshmen and sophomores: Problems in Vocational Education (Adult Education).....	3	2	D	E	104	Williamson
268	The following courses open only to graduate students: Home Economics Curriculum Construction	3	1	D	E	104	Spickard
269	Achievement Testing in Home Economics	3	4	D	E	104	Spickard
INDUSTRIAL EDUCATION							
71	The following courses not open to freshmen and sophomores: Trade Analysis and Course Planning	3	By Appt.		E	234	May and others

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

FIRST TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
INDUSTRIAL EDUC.—Cont.							
77	Shop Management Problems	2		By Appt.	E	234	May and others
81	Analysis of Learning Difficulties in Industrial Education..	2	2	D	McVH	104	May and others
108	Coordination Techniques in Industrial Education	2	3	D	McVH	104	May and others
123	Vocational Guidance	3	1	D	McVH	104	
171	Vocational Education	2	4	D	McVH	104	May and others
PHILOSOPHY OF EDUCATION							
The following courses not open to freshmen and sophomores:							
35	Introduction to Education	3	4	D	E	231	Meece
The following courses open only to graduate students:							
200	Philosophy of Education	3	3	D	E	131	Adams
205	Review of Current Educational Literature	3	2	D	McVH	106	Meece
222	Methodology of Educational Research	3	2	D	E	222	Ross
227b	Techniques in Curriculum Construction (Second 2½ weeks)	3	3, 4	D	E	Aud.	Adams, Harap, Scott, others
SECONDARY EDUCATION							
The following courses not open to freshmen and sophomores:							
105	Fundamentals of Secondary Education	3	3	D	E	131	Ligon
107	Safety Education	3	1	D	E	231	Mitchell
186	Visual Instruction	3	4	D	FH	Aud.	Clifton
The following courses open only to seniors:							
153 ₁	Directed Teaching in English....	6		By Appt.	E	107	Williams, Anderson, Miller
153 ₂	Directed Teaching in English..	6		By Appt.	E	122	Williams, Shipman
154 ₁	Directed Teaching in Languages	6		By Appt.	E	126	Williams, Topham
154 ₂	Directed Teaching in Languages	6		By Appt.	E	101	Williams, West
155 ₁	Directed Teaching in Sciences..	6		By Appt.	E	126	Williams, Kemper
155 ₂	Directed Teaching in Sciences..	6		By Appt.	E	126	Williams, Keffer
155 ₃	Directed Teaching in Sciences..	6		By Appt.	E	126	Williams, Mitchell
156 ₁	Directed Teaching in Mathematics	6		By Appt.	E	126	Williams, Keffer

FIRST TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
SECONDARY EDUCA.—Cont.							
157 ₁	Directed Teaching in Social Sciences	6		By Appt.	E	207	Williams, Peck
157 ₂	Directed Teaching in Social Sciences	6		By Appt.	E	122	
169a	Directed Teaching in Physical Education	3		By Appt.	E	126	Williams, Shipman
177a ₁	Directed Teaching in Music	3		By Appt.	E	126	Williams, Shively
177a ₂	Directed Teaching in Music.....	3		By Appt.	E	126	Williams, Capurso
193	Directed Teaching in Commerce	6		By Appt.	E	134	Williams, Betz
The following courses open only to graduate students:							
224a	Organization and Supervision of Student Teaching	3	3	D	E	126	Williams, Duncan
232	High School Administration	3	4	D	McVH	100	Crawford
241	Problems in Teaching Social Science	3	1	D	McVH	100	Peck and others
242	Problems in Teaching English..	3	2-3:15	D	E	131	Anderson and others
243	Problems in Teaching Mathematics	3	2-3:15	D	E	222	Keffer and others
249	Extra Curricular Activities	3	1	D	McVH	109	

COLLEGE OF COMMERCE

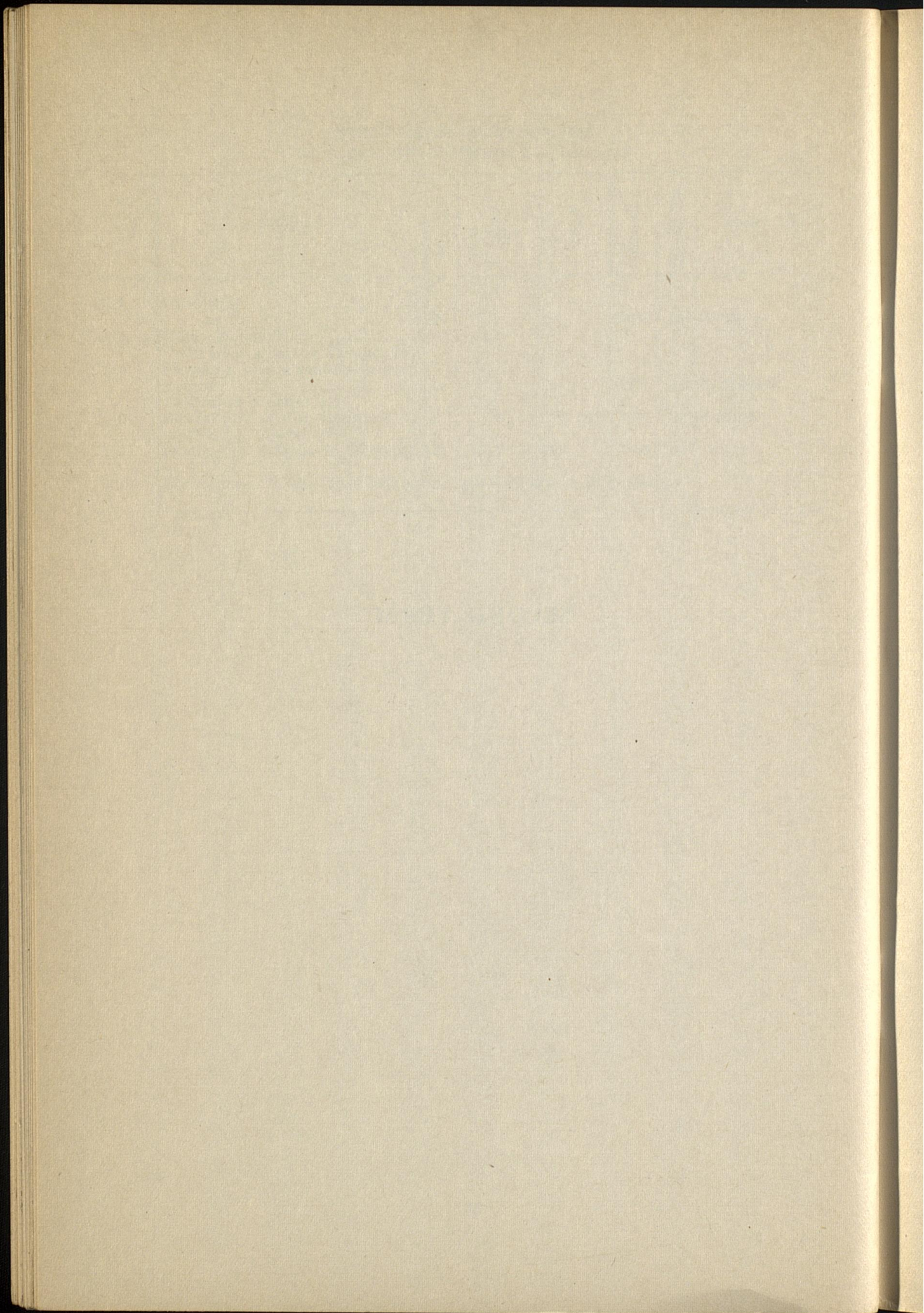
1	Principles of Economics	3	4	D	WH	306	Carter
*2	Economic History of Europe	3	2	D	WH	303	Jennings
7a	Principles of Accounting, Rec.}	4	1	D	WH	306	Beals
	Principles of Accounting, Lab.}	4					
9	Forms of Business Organization (Prereq. Course 1.)	3	2	By Appt.	WH	401	Beals
				D	WH	306	Tolman
10	Principles of Marketing	3	3	D	WH	205	Moore
	(Prereq. Course 1.)						
R13a	Secretarial Practice, Rec.	4	1	D	WH	301	
	Secretarial Practice, Lab..... (Prereq. 2 yrs. Col. work.)		5	MTWTh	WH	301	
14a	Advanced Secretarial Practice.. (Prereq. 2 yrs. college work.)	3	6	D or by Appt.	WH	301	
102	Labor Problems	3	3	D	WH	306	Carter
	(Prereq. Course 1.)						
105	Money and Banking	3	2	D	WH	207	Carpenter
	(Prereq. Course 1.)						
107	Statistical Method	3	6	D	WH	401	Palmer

* Open to freshmen.

FIRST TERM—SUMMER 1938
COLLEGE OF COMMERCE—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
113	Auditing	3	5	D	WH	207	Beals
118							
	Cost Accounting						
	(Prereq. Courses 7a and 7b.)						
144	Property and Casualty Insurance	3	4	D	WH	207	Carpenter
	(Prereq. Course 1.)						
149	Economics of Consumption	2	6	TWThF	WH	205	Sullivan
	(Prereq. Course 1.)						
203	History of Economic Thought..	3	4	D	WH	205	Wiest
Note.—For courses in Business Education see College of Education.							

SECOND TERM



SECOND TERM—SUMMER 1938
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	Allen
The following course is not open to freshmen or sophomores:							
S105	Architecture of the Human Skeleton	3	3	D	S	205	Allen
The following course is open to graduate students only:							
201b	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.							
*S3, S4 S5, S6	Cicero, Virgil, Livy, Horace.....	2	By Appt.	D	A	303	Jones
The following courses not open to freshmen and sophomores:							
150b	Teacher's Course in Latin (Based on second year work)	2	1	D	A	303	Jones
S110a, b	Latin Literature (Selections)...	2	2	D	A	303	Jones
S122a	Greek Literature in English..... (Translation; Epic and Lyric Poetry.)	2	3	D	A	303	Jones
ANTHROPOLOGY AND ARCHAEOLOGY							
The following course not open to lower division students:							
101	Principles of Anthropology	2	3	D	Museum		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.							
Requirements in Field of Concentration: Forty credits in the Biological Sciences Field, including the major work.							

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
BACTERIOLOGY—Cont.							
<p>Medical Technology Course: 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>							
57 ₁	Bacteriology of Water and Sewage, Lec.	4	2	D	KH	B13	Weaver
57 ₂	Bacteriology of Water and Sewage, Lab.						
The following courses not open to freshmen and sophomores:							
102 ₁	General Bacteriology, Lec.	4	1	D	KH	B13	Scherago
102 ₂	General Bacteriology, Lab.						
110b	Laboratory Diagnosis, Lab.	3	3, 4	D	KH	Sb12	Scherago
125	Immunology and Serology	5	By Appt.	D	KH	Sb12	Scherago
The following courses open only to graduate students:							
201b	Research in Bacteriology	5	By Appt.	D	KH	Sb11	Weaver
203b ₁	Public Health Bacteriology, Lec.	3	By Appt.	D	KH	B13	Scherago
203b ₂	Public Health Bacteriology, Lab.						
207 ₁	Bacteriology of Water and Sewage, Lec.	4	2	D	KH	B13	Weaver
207 ₂	Bacteriology of Water and Sewage, Lab.						
BOTANY							
<p>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.</p> <p>Requirements in Field of Concentration: Forty credits in the field of Biological Sciences, including the major work, in courses not open to freshmen.</p>							
*1b ₁	General Botany (Lec. and Rec.)	4	1	D	WH	101	McFarland
*1b ₂	General Botany (Lab.)						
19	Dendrology (Tree Study)	2	7:25-8:15	D	WH	102	McFarland
The following course not open to freshmen and sophomores:							
103	Plant Physiology (Lec. and Lab.)	4	3, 4	D	WH	103	McInteer
(Other courses may be offered if there is sufficient demand.)							

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
CHEMISTRY							
<p>Requirements for a Major. Prerequisites: Junior standing; Chemistry 1a, 1b, 4, 8. Required: Chemistry 109, 127a, 127b, and either 101 or 131a and 131b.</p> <p>Requirements in Field of Concentration: Forty credits of advanced work in the field of Physical Sciences, including the major work.</p> <p>Note.—For outline of course leading to degree of "B. S. in Industrial Chemistry" consult University catalog.</p>							
*1b	General Inorganic Chemistry.... (Prerequisite Chemistry 1a.)	5	1, 2, 3	D	{KH	{101 201 209	Mitchell
8	Quantitative Analysis (Prereq. Chemistry 4 or 6.)	5	1, 2, 3, 4	D	{KH	{111 113	Bedford
20b	Organic Chemistry (Prereq. Chem. 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	Bedford
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	Bedford
110	Physical Chem., Interm. Course, Lec. (Prereq. Chem. 131b and Calculus.)	3	By Appt.	D	KH	B14	Bedford
111	Physical Chem., Interm. Course, Lab. (Prereq. 110 or accompanied by it.)	2	By Appt.	D	KH	B17	Bedford
127b	Organic Chemistry (Prereq. Chem. 127a.)	5	1, 2, 3	D	{KH	{214 215	Barkenbus
The following courses are open to graduate students only:							
204a	Organic Chemistry (Prereq. Chem. 103 or 106.)	5	By Appt.	D	KH	215	Barkenbus
204b	Organic Chemistry (Prereq. Chem. 204a.)	5	By Appt.	D	KH	215	Barkenbus
206a	Adv. Physical Chem., Lab. (Prereq. 205a.)	3	By Appt.	D	KH	B17	Bedford
206b	Adv. Physical Chem., Lab., Continuation of 206a (Prereq. 205b.)	3	By Appt.	D	KH	B17	Bedford

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ECONOMICS							
<p>Requirements for a Major. Prerequisites: Junior standing; six credits in Economics including course 1. Required: 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 16a, and b must be taken in the senior year to prepare for the required comprehensive examination.</p> <p>Requirements in Field of Concentration: Forty credits of advanced work in the field of Social Studies, including the major work.</p>							
*8	Economic Geography	3	3	D	WH	303	Jennings
7b	Prin. of Accounting, Lec.....	4	2	D	WH	306	Tolman
	Prin. of Accounting, Lab.....						
<p style="text-align: center;">The following courses not open to freshmen or sophomores:</p>							
104	Public Finance	3	2	D	WH	205	Sullivan
(Prereq. Course 1.)							
110	Business Cycles	3	6	D	WH	401	Palmer
(Prereq. Com. 107.)							
145	Problems in Office Management	3	2	D	WH	207	Lawrence
<p style="text-align: center;">The following course open only to graduate students:</p>							
215	Contemporary Economic Thought	3	4	D	WH	205	Sullivan
ENGLISH							
<p>Requirements for a Major. Prerequisites: Junior standing; English 1a, 1b, 3a, 3b. Required: A minimum of 18 credits of advanced work in English.</p> <p>Requirements in Field of Concentration: 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	
*1b	English Composition	3	2	D	McVH	210	Yates
3b	History of English Literature..	3	3	D	McVH	210	Yates
<p style="text-align: center;">The following courses not open to freshmen and sophomores:</p>							
106	English Romanticism	3	1	D	McVH	204	Brady
111a	English Novel before Scott	3	2	D	McVH	206	Galloway
147	The Age of Johnson	3	3	D	McVH	206	Galloway
<p style="text-align: center;">The following course open to graduate students only:</p>							
210b	Seminar	3	2	D	McVH	204	Brady
GEOLOGY							
<p>Requirements for a Major. Prerequisites: Geology 22a, 22b. Required: Geology 9a, 9b, 26a, 26b, 101a, 101b, 106a, 106b, 109a, 109b, 124a, 124b, 118a, 118b; a comprehensive examination in the senior year. Field Work: An early summer field trip. Geology 118a, or 118b, is required of major students for graduation.</p> <p>Requirements in Field of Concentration: Forty credits in the field of Physical Science, including the major work.</p>							

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
GEOLOGY—Continued							
*24a	Elements of Geography	3	3	D	S	203	Young
*25a	Regional Physical Geography (North America)	3	4	D	S	203	Young
*14b ₁	Elementary Field Geology	1	1:00-5:00 p. m.	W	S	203	McFarlan
*14b ₂	Elementary Field Geology	1	1:00-5:00 p. m.	Th	S	203	McFarlan
120b	The following course not open to freshmen and sophomores: Geology of Kentucky	3	2	D	S	203	McFarlan
	(No prereq.)						
GERMAN LANGUAGE AND LITERATURE							
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.							
*1a	Elementary German	3	2	D	A	205	Bigge
*1b	Elementary German	3	2	D	A	205	Bigge
2a	Intermediate German	3	3	D	A	205	Bigge
2b	Intermediate German	3	3	D	A	205	Bigge
3b	Selected Readings	3	By Appt.	D	A	205	Bigge
6b	Scientific German	3	By Appt.	D	A	205	Bigge
	The following courses not open to freshmen and sophomores:						
102b	Twentieth Century Literature..	3	By Appt.	D	A	205	Bigge
105a-d	Independent Work	3	By Appt.	D	A	205	Bigge
HISTORY							
Requirements for a Major. Prerequisites: History 2a, 2b or 4a and 4b. 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.							
*5b	History of the U. S. since 1860..	3	3	D	FH	302	Clark
	The following courses open only to graduate students:						
206	The Confederation of the U. S.	3	4	D	FH	304	Knapp
247a	Seminar in Recent U. S. History	2	2	D	FH	304	Knapp
342	Seminar in the History of Kentucky	2	1	D	FH	202	Clark

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
HYGIENE AND PUBLIC HEALTH							
*1	Personal and Community Health	1	4	D			Heinz
*9	Hygiene for Teachers	2	2	D			Heinz
The following course not open to freshmen and sophomores:							
100b	Public Health	3	3	D			Heinz
The following courses open only to Public Health Nurses:							
120b	Mental Hygiene	3	2	D			Ratliff
122	School Nursing	2	2	D			Rood
124b	Public Health Nursing	3	3	D			Rood
125a	Supervised Field Work	3	By Appt.	D			Rood
125b	Supervised Field Work	3	By Appt.	D			Rood
125c	Supervised Field Work	3	By Appt.	D			Rood
125d	Supervised Field Work	3	By Appt.	D			Rood
126	Care and Treatment of Crippled Children	1	10-1	T			Rood
JOURNALISM							

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

Requirements in the Field of Concentration: Forty credits in the field of Literature, Philosophy, and the Arts, including the major work in approved courses not open to freshmen.

The Degree of A. B. in Journalism: Two sequences are offered which, when completed, lead to the degree of A. B. in Journalism. See catalog outlines.

The following courses not open to freshmen and sophomores:							
S105	Law of the Press	2	2	D	McVH	50	Portmann
S108	History of Journalism	2	3	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.

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:** 30 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.

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
LIBRARY SCIENCE—Cont.							
126	Administration	3	1	D	UL	314	
128	Children's Literature	2	4	D	UL	314	
132	Library Work with Children..... (Prereq. 126 advisable.)	2	2	D	UL	314	
150b	Book Selection (Adolescent Literature)	2	3	D	UL	314	
	(Prereq. 150a advisable.)						
MATHEMATICS AND ASTRONOMY							

Requirements for a Major. Prerequisites: Junior standing; courses 2, 17, 18, 19 20a, 20b will be counted on the major if it is taken during junior year. **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 the field of Physical Sciences, including the major work .

*19	Analytic Geometry	3	3	D	McVH	106	Latimer
20b	Integral Calculus	4	8:00-9:40	D	McVH	104	LeSturgeon
	The following course not open to freshmen and sophomores:						
S112	Series	2	3	D	McVH	104	LeSturgeon
	The following course open only to graduate students:						
211	Higher Algebra	3	2	D	McVH	106	Latimer
MUSIC							

Requirements for a Major. Prerequisites: Junior standing; Music 21a-b, 25a-b; Applied Music 6 credits; Psychology 1. **Required:** A minimum of fifteen credits of advanced work in Music to be selected from Music 4a-b, 11a-b, 12a-b, 13a-b, 19a-b, 26, 30a-b, 42.

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 given in general catalog.)

*15a-h	Applied Music—Piano	3		By Appt.	AC	1	J. Lampert
*16a-h	Applied Music—Strings	3		By Appt.	AC	9	Lampert
*17a-h	Applied Music—Voice	3		By Appt.	AC	24	Dantzer, Dagley
*18a-h	Applied Music—Organ	3		By Appt.	Mem. Hall		Cullis
*S25b	Elementary Harmony	2	2	D	AC	8	Capurso
	(Prereq. 25a.)						
*40a-d	Orchestra (Credit not per- mitted. Music Majors or B. S. in Music)	1	3 p. m.	D	AC	8	Lampert
4a	Public School Music	2	1	D	AC	7	Mason
4b ₁	Public School Music	2	4	D	AC	7	Mason
4b ₂	Public School Music	2		By Appt.	AC	7	Mason

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
MUSIC—Continued							
S11a	Advanced Harmony	2		By Appt.	AC	9	Lampert
	(Prereq. 25a, b.)						
12b	Counterpoint and Composition	2		By Appt.	AC	9	Lampert
13b	Form and Analysis	2		By Appt.	AC	9	Capurso
	(Prereq. 13a.)						
S19b	History and Appreciation of Music	2	3	D	AC	8	Lampert
26	High School Methods	2	2	D	AC	7	Mason
	The following courses open only to graduate students:						
110a-h	Independent Work in Music	2		By Appt.	AC	9	Lampert
215b	Applied Music—Piano	3		By Appt.	AC	1	J. Lampert
216b	Applied Music—Strings	3		By Appt.	AC	9	Lampert
217b	Applied Music—Voice	3		By Appt.	AC	24	Dantzier, Dagley
218b	Applied Music—Organ	3		By Appt.	Mem. Hall		Cullis
PHYSICAL EDUCATION							

Requirements for a Major. Prerequisites: Junior standing; 6 credits of Physical Education. **Required:** Physical Education 60a, b, 29, 128, 124, 120; Psychology 7; Anatomy and Physiology 4 and 5. A minimum of 16 credits of advanced work in Physical Education. All major students are required to enroll in Physical Education Tutorial course during the senior year and pass the comprehensive examination in Physical Education.

Requirements in Field of Concentration: Forty credits of advanced work in the field of Biological Sciences, including the major work. Graduate students are required to take the activity course in Physical Education.

14	Elementary Plays and Games....	2	4	D	WG		Hackensmith
	The following courses not open to freshmen and sophomores:						
120	Physical Diagnosis and Corrective Gymnastics	3	4	D	FH	201	Potter
124	History and Philosophy of Physical Education	2	1	D	FH	201	Hackensmith
148	Organization and Administration of Athletics	3	3	D	FH	201	Potter
	The following course open only to graduate students:						
203	Current Studies in Administration of Physical Education....	2	2	D	FH	201	Hackensmith

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 recreational activities for the summer session. Students should sign up for the courses or course of their choice with Mr. Shively during the regular classification period or in the Physical Education office in the Gymnasium Annex during the first week of school.

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
PHYSICAL EDUCA.—Cont.							
	Archery (Men and Women).....		3:00-4:00	TTh	WG		
	Badminton (Men and Women)		1:30-2:30	TTh	GA		
	Golf (Men)		1:30-2:30	MWF	AG		
	Golf (Women)		2:30-3:30	MWF	AG		
	Tennis (Men)		2:30-3:30	MWF	GA		
	Tennis (Women)		1:30-2:30	MWF	GA		
	Tap Dancing (Men)		2:30-3:30	TTh	WG		
	Tap Dancing (Women)		1:30-2:30	TTh	WG		
	Social Dancing (Men and Women)		4:00-5:00	TTh	WG		
	Volley Ball (Men)		12:30-2	MWF	GA		
	Activity Course for Physical Education Majors		3:30-5:00	MWF	AG		
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 ₁	Gen. Elem. Phys., Lec.	5	{	1	D	PENCE	201	Todd
*1b ₂	Gen. Elem. Phys., Rec.			2	TThS			
*1b ₂₁	Gen. Elem. Phys., Lab.	3	{	8:25-10:15		PENCE	307	Hahn
*51b	Introduction to Phys., Lec.			1	D			
2b ₁	Gen. Col. Phys., Rec.	5	{	2	D	PENCE	103	Hahn
2b ₁₁	Gen. Col. Phys., Lab.			3, 4	{ MTW } { ThF }			

The Department of Physics in the Summer Session is anxious to serve the needs of graduate students and of high school physics teachers, and invites inquiry regarding its program. According to demand, the advanced work will be selected from the following courses: Theory of Heat, Theory of Light, Electricity and Magnetism, Theoretical Mechanics, Thermodynamics, X-Rays, Radio Communication, Physical Manipulations. For description of these and other advanced courses, consult the graduate bulletin which may be had by writing to the Graduate School of the University.

POLITICAL SCIENCE

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

Requirements in Field of Concentration: Forty credits of advanced work in the field of Social Studies, including the major work.

*15	Problems of Citizenship	3	4	D	A	301	Shannon
168	The following courses not open to freshmen and sophomores: Governments and Politics of Eastern Asia	3	2	D	A	203	Vandenbosch

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	POLITICAL SCIENCE—Cont.						
170	Political Parties	3	3	D	A	301	Shannon
	The following course open only to graduate students:						
205	Freedom of the Seas	3	4	D	A	203	Vandenbosch
	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	3	D	NH	306	White
7	Psychology of the Child	3	3	D	NH	306	Asher
	The following course not open to freshmen and sophomores:						
114	Abnormal Psychology	3	2	D	NH	304	White
120b	Mental Hygiene	3	2	D	NH	300	Ratliff
	The following courses open only to graduate students:						
215	Psychometrics	3		By Appt.	NH	301	Asher
203a, b, etc.	Problems in Psychology	2		By Appt.	NH	204	Staff
210a, b, etc.	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.

*S1a	Elementary French	2	2	D	S	307	Horsfield
*S1b	Elementary French (Cont.)	2	2	D	S	307	Horsfield
S2a	Intermediate French	2	3	D	S	307	Horsfield
S2b	Intermediate French (Cont.)	2	3	D	S	307	Horsfield
S6b	French Novel and Drama	2	4	D	S	307	Horsfield
	The following courses not open to freshmen and sophomores:						
S116b	French Lit. of XX Century	2	4	D	S	307	Horsfield
114a, b, c, etc.	Independent Work in Romance Languages	3		By Appt.			Horsfield

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 before 1b or 5b is passed.

* Open to freshmen.

SECOND TERM—SUMMER 1938
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
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 the Field of Concentration: Credits to the number of 40 of advanced work in the field of Social Sciences, including the major work.							
Not open to lower division students:							
109	The Family	3	2	D	FH	105	Caldwell
114a	Independent Work in Sociology Open to graduate students only:	1	By	Appt.	FH	101	Caldwell
201a	Sociology Seminar	2	1	D	FH	105	Caldwell
ZOOLOGY							
Requirements for a Major. Prerequisites: Junior standing; Zoology 1a, b. 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.							
Not open to lower division students:							
106 ₁	Embryology	4	1, 2	D	S	5	Brauer
106 ₂	Embryology (1 hr. additional) ..		By	Appt.			
108a	Principles of Zoology (Evolution)	2	4	D	Mus.	1	Funkhouser
For Anthropology see Anthropology and Archaeology.							

COLLEGE OF AGRICULTURE

ANIMAL INDUSTRY							
20	Animal Nutrition	3	4	D	D	109	Wilford
106	Pork Production	3	3	D	D	109	Wilford
110	Advanced Livestock Judging.... (July 18 to August 3.)	3	1, 2	D	SP	106	Horlacher
111b	Special Problems in Animal Husbandry	3	4	D	Agr.	303	Horlacher
129	Dairy Bacteriology	4	1-3	D	D	113	Morrison
(August 4-20.)							
HOME ECONOMICS							
125	Consumer Problems	3	3	D	Agr.	301	
142	Home Management	5	2	D	Agr.	301	

**SECOND TERM—SUMMER 1938
COLLEGE OF ENGINEERING**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ELECTRICAL ENGINEERING							
106,	Alternating Currents, Rec.	4.0	4	D	Eng.	205	Bureau
106 _H	Alternating Currents, Lab. (Prereq. E. E. 105; Math. 20a.)		5, 6	MWF			
ENGINEERING MECHANICS							
13	Mechanics of Materials (Prereq. Physics 2a.) (Prereq. or Concurrent: E. M. 11; Math. 20b.)	4.0	3, 4	{ MTW } { ThF }	Eng.	201	Johnson

COLLEGE OF LAW

101b	Contracts II	2	8:00-8:50	D	Law		Murray
149	Municipal Corporations	2	9:00-9:50	D	Law		Randall
150	Public Utilities	2	11-11:50	D	Law		Moreland
152	Oil and Gas	2	9:00-9:50	D	Law		Moreland
170	Legal Ethics	2	11-11:50	D	Law		Murray
	This period is reserved for making up missed periods		10-10:50	D	Law		

COLLEGE OF EDUCATION

ADMINISTRATION							
The following course not open to freshmen and sophomores:							
101	School Organization	3	1	D	A	204	Chamberlain
The following courses open only to graduate students:							
203	Constitutional and Legal Basis for Public School Administration	3	4	D	E	231	Meece
210	Special Problems in School Administration	3		By Appt.	E	232	Seay
212	The Elementary School	3	3	D	E	131	Duncan
213	State School Administration.....	3	3	D	E	231	Seay
214	The Secondary School	3	1	D	FH	106	Crawford
233	Administration of the Teaching Personnel	3	2	D	A	204	Chamberlain
236	Business Administration of Public Education	3	3	D	A	204	Herr
301a, b	Research Problems in Educational Administration	3		By Appt.	E	232	Seay

SECOND TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ADMINISTRATION—Cont.							
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 courses open only to graduate students:							
280	Method in Teaching Vocational Agriculture (Second 2½ weeks)	3		By Appt.	E	226	Hammonds
287f	Part-Time Schools (First 2½ weeks)	3		By Appt.	E	226	Hammonds
BUSINESS EDUCATION							
The following courses not open to freshmen and sophomores:							
158a	Methods of Teaching Secretarial Subjects	2	2	D	WH	301	Guy
158b	Methods and Materials in Teaching Accounting	2	1	D	WH	207	Guy
The following courses open only to graduate students:							
256	Methods and Materials in the Social Business Subjects	3	3	D	WH	207	Lawrence
257	Seminar in Business Education	1	3 to 4:15	TTh	WH	207	Lawrence
259	The Commerce Curriculum	3	4	D	WH	207	Guy
EDUCATIONAL PSYCHOLOGY							
The following courses not open to freshmen and sophomores:							
118	Educational Tests and Measurements for Elementary Teachers	3	1	D	E	222	Ross
122	Educational Tests and Measurements for High School Teachers	3	3	D	FH	106	Crawford
147	Foundations of Secondary Education	3	2	D	E	222	Ross

SECOND TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
ELEMENTARY EDUCATION							
Note.—For Public School Art and Public School Music see Art and Music Departments.							
The following courses not open to freshmen and sophomores:							
20	Industrial Arts in the Elementary School	2	3	D	E	170	Haines
110	Advanced Industrial Arts	2	2	D	E	170	Haines
173	Teaching Literature to Children	3	1	D	E	131	Duncan
The following courses open only to graduate students:							
212	The Elementary School	3	3	D	E	131	Duncan
HOME ECONOMICS EDUCATION							
The following courses, or other courses for which there is sufficient demand, will be offered:							
The following courses open only to graduate students:							
263	Current Problems in Home Economics Education (Second 2½ weeks)	3	2, 4	D	E	104	Spickard
266a, b, c	Seminar in Home Economics Education (First 2½ weeks)	3	1, 3	D	E	104	Spickard
PHILOSOPHY OF EDUCATION							
175g	Education of Handicapped Children	3	3	D	A	204	Nichols
The following courses open only to graduate students:							
200	Philosophy of Education	3	3	D	E	222	Adams
227a	Principles of Curriculum Construction	3	2	D	E	131	Seay
230	Problems of Educational Sociology	3	1	D	E	231	Meece
SECONDARY EDUCATION							
The following course not open to freshmen and sophomores:							
105	Fundamentals of Secondary Education	3	4	D	E	131	Ligon

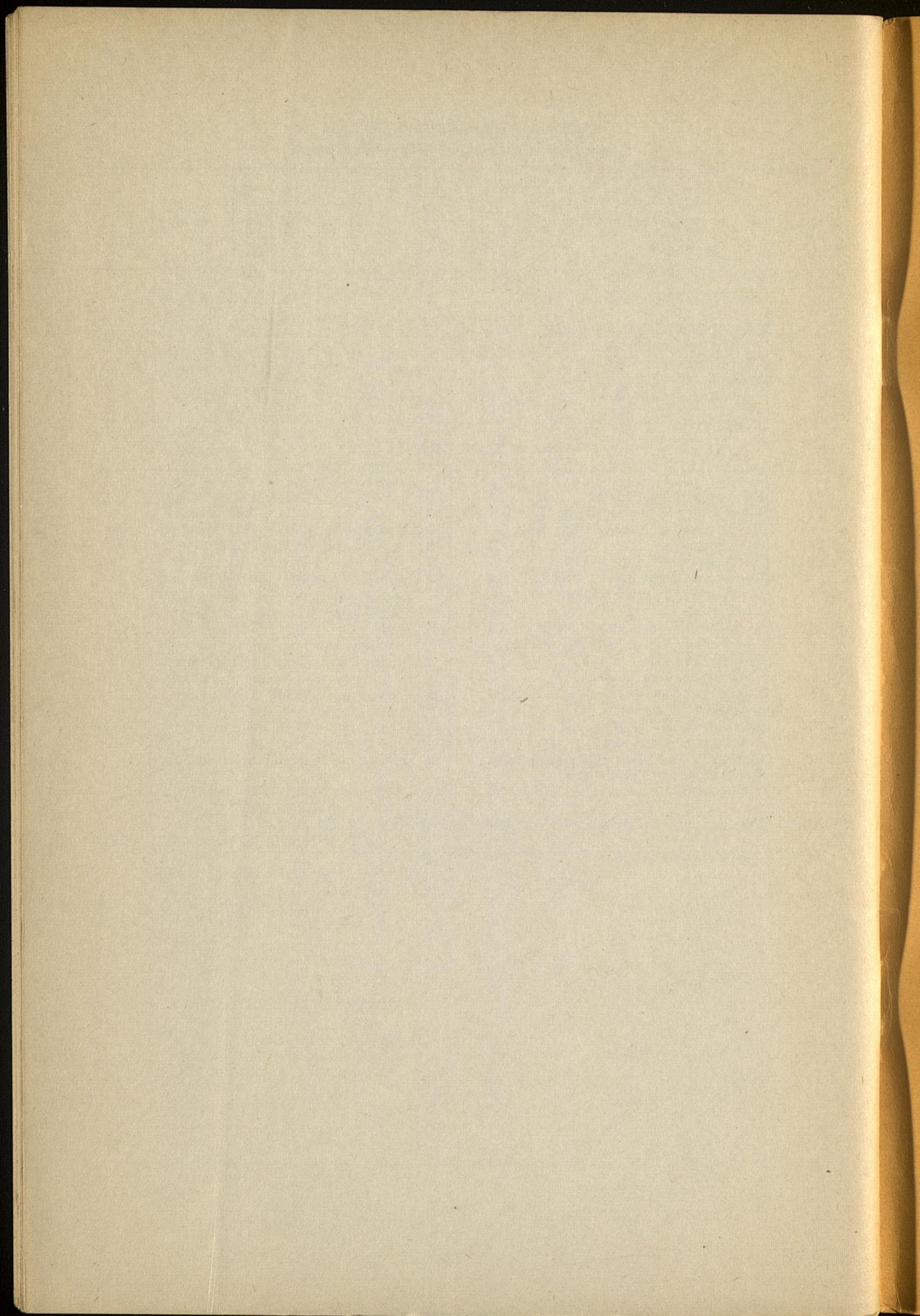
SECOND TERM—SUMMER 1938
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	SECONDARY EDUCA.—Cont.						
	The following courses open only to graduate students:						
214	The Secondary School	3	1	D	FH	106	Crawford
307a, b	Special Problems in Secondary Education	3		By Appt.	E	114	Ligon

COLLEGE OF COMMERCE

*8	Economic Geography	3	3	D	WH	303	Jennings
7b	Principles of Accounting, Lec.}	4	2	D	WH	306	Tolman
	Principles of Accounting, Lab.}						
				By Appt.	WH	401	Tolman
11	Salesmanship	2	6	TWThF	WH	207	Moore
R13b	Secretarial Practice, Rec.....		1	D	WH	301	
	Secretarial Practice, Lab.....	4	5	MTWTh or by Appt.	WH	301	
	(Prereq. 2 yrs. college work.)						
14b	Advanced Secretarial Practice..	3	4	D	WH	301	
	(Prereq. 2 yrs. college work.)						
104	Public Finance	3	2	D	WH	205	Sullivan
	(Prereq. Course 1.)						
110	Business Cycles	3	6	D	WH	401	Palmer
	(Prereq. Com. 107.)						
135	Advanced Marketing	3	3	D	WH	205	Moore
	(Prereq. Com. 10.)						
145	Problems in Office Management	3	2	D	WH	207	Lawrence
215	Contemporary Economic Thought	3	4	D	WH	205	Sullivan

Note.—For courses in Business Education see College of Education.



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

Moses Edward Ligon, M. A., LL. D., Acting 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

