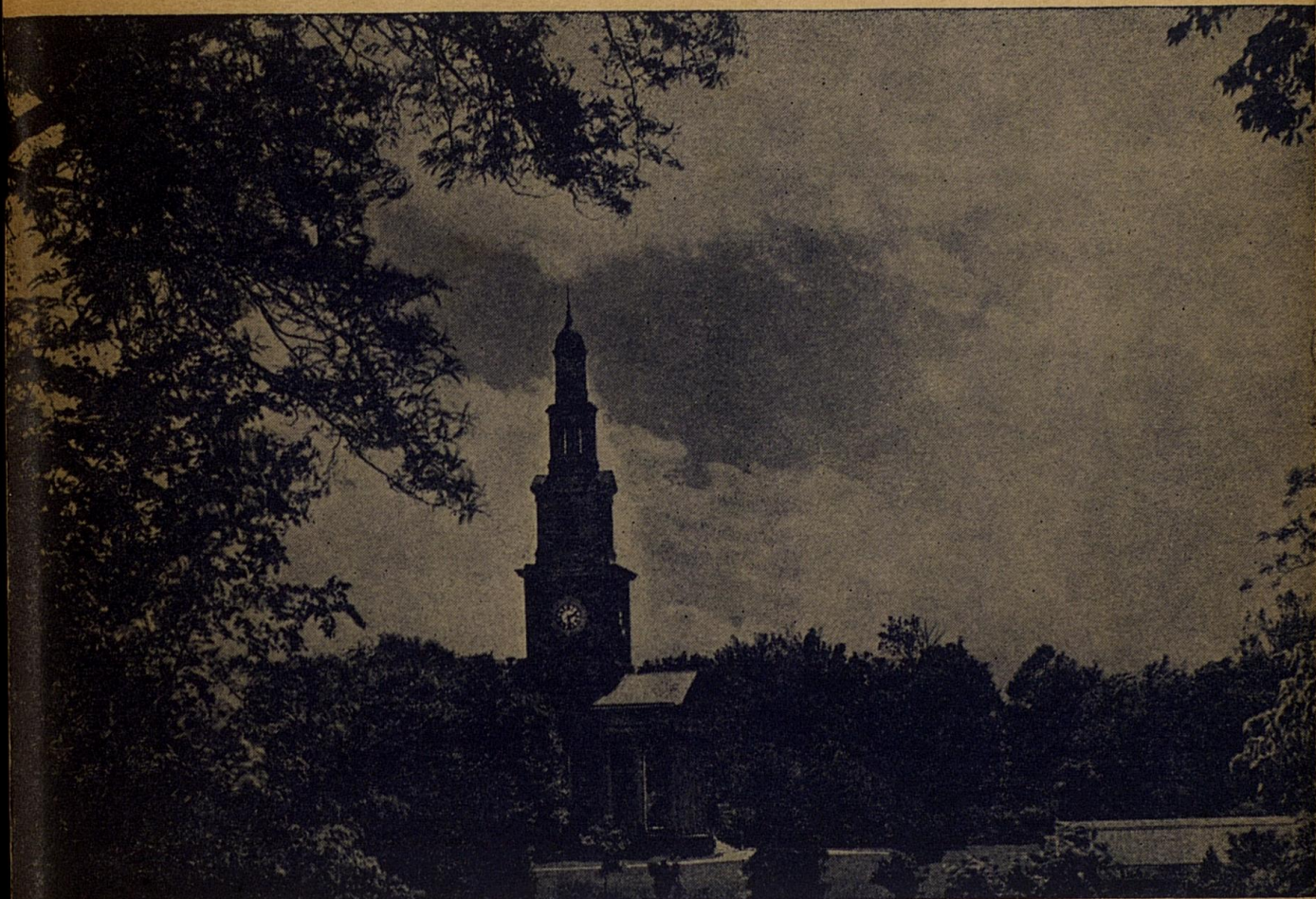


UNIVERSITY OF KENTUCKY

Summer Session



June 20 to August 13

Vol. 41, # 4, April 1949

Bulletin of the

UNIVERSITY OF KENTUCKY

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1949

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June 3

BULLETIN
OF THE
University of Kentucky



SUMMER SESSION, 1949

June 20 to August 13

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No. 4

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SUMMER SESSION CALENDAR—1949

June 20	Monday—Classification tests and physical examinations for all new students
June 21	Tuesday—Registration and classification of all students according to an alphabetical schedule
June 22	Wednesday—Class work begins
June 25	Saturday—Last date one may enter an organized class
July 1, 2	Friday and Saturday—Days for filing applications for degrees
July 4	Monday—Independence Day holiday
August 12	Friday—Summer Session Commencement
August 13	Saturday Noon—End of Summer Session

REGISTRATION SCHEDULE FOR SUMMER SESSION

June 20, Monday, 7:45 a.m.—Classification tests and physical examinations for all new students. All new students, except those entering the Graduate School, will report to Memorial Hall, for classification tests and physical examinations. These must be completed before registration.

June 21, Tuesday, 8:00 a.m. to 4:30 p.m.—Registration and classification of all students, according to the following alphabetical schedule:

Tuesday Forenoon	Tuesday Afternoon
8:00 to 8:50—M thru P	1:30 to 2:20—D thru G
9:00 to 9:50—Q thru S	2:30 to 3:20—H thru L
10:00 to 10:50—T thru Z	3:30 to 4:30—Miscellaneous
11:00 to 11:50—A thru C	A thru Z

June 22, Wednesday—Class work begins

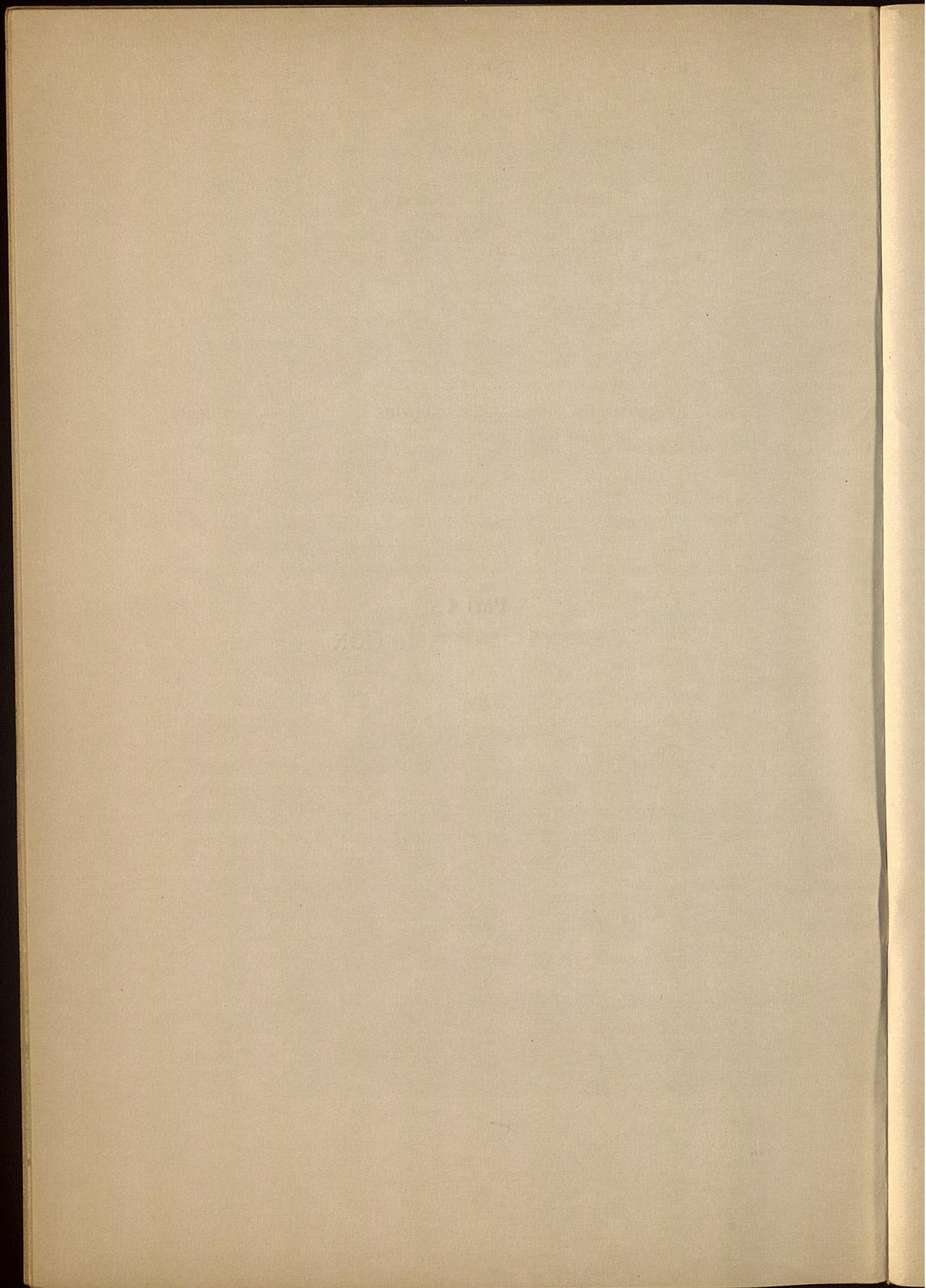
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MARGARET ANN WILSON, A.B., Secretary Young Women's Christian Association
WILLIAM CLARENCE WESLEY, M.A., Ph.D., Director of Northern Extension Center
ELMER GRIFFITH SULZER, A.B., Director of University Radio Station
RAYMOND WESLEY WILD, A.B., Ph.M., Director of Public Relations

THE COLLEGES

MARTIN MARSHALL WHITE, M.A., Ph.D., Dean of the College of Arts and Sciences
THOMAS POE COOPER, B.S., D.Sc., LL.D., Dean of the College of Agriculture and Home Economics and Director of the Experiment Station
DANIEL VOIERS TERRELL, C.E., Dean of the College of Engineering
ELVIS J. STAHR, JR., M.A., A.B. in Jur., B.C.L., Dean of the College of Law
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Part I
GENERAL INFORMATION



GENERAL INFORMATION

THE SUMMER SESSION FOR 1949

The course offering during the 1949 Summer Session will be almost as extensive and varied as during the regular school year. As indicated in a later section of this bulletin, courses will be offered for graduates and undergraduates in the College of Arts and Sciences, the College of Agriculture and Home Economics, the College of Engineering, the College of Law, the College of Education, and the College of Commerce.

In particular, the needs of the following groups have been kept in mind in planning the Summer Session program for 1949:

1. The high school boy or girl who graduates this spring and wishes to begin college work without delay.
2. The veteran who is eligible for educational benefits under Public Law 16 or 346. It will be desirable for the veteran recently discharged to begin his college studies at the earliest date possible. Those already enrolled will find it desirable to continue in school through the summer, in order that graduation may be achieved with the least loss of time.
3. Teachers, principals, supervisors, and superintendents who wish to further their preparation for educational work. The



Summer Session classes at U.K. sometimes move outdoors.

in-service education of teachers lagged greatly during the war, and it is expected that hundreds of teachers and other school officials will now wish to continue their summer studies.

4. All students, women and men, who are in college and wish to accelerate their programs of study.
5. Other persons who need certain courses to advance in their specific vocations, and to meet the requirements of the post-war economy.

Over and above its program of liberal education, the University Summer Session provides numerous opportunities for persons to prepare for specific occupations. The extent of the opportunities is indicated by the following vocational areas in which summer courses will be offered; Industrial Chemistry, Journalism, Medical Technology, Pre-Medicine, Pre-Dentistry, Pre-Nursing, Music, Library Science, Public Service, Art, Bacteriology, Geography, Geology, Psychology, Social Work, Sociology, Agriculture in its various phases, Pre-Forestry, Pre-Veterinary, Home Economics, Architectural Engineering, Aeronautical Engineering, Civil Engineering, Communications Engineering, Electrical Engineering, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, Law, Elementary Teaching, High School Teaching, Educational Supervision and Administration, General Business, Commerce-Law, Industrial Administration, and Secretarial Work.

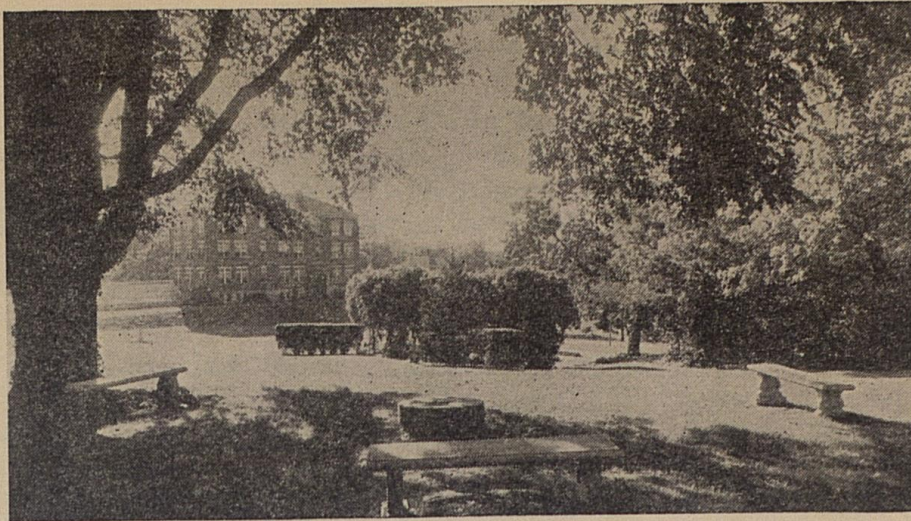
ACCREDITED RELATIONS

The University of Kentucky is on the approved list of the Association of American Universities, and is a member of the Southern Association of Colleges and Secondary Schools and the Kentucky Association of Colleges and Secondary Schools. It is accredited in its respective colleges or departments by the Association of American Law Schools, the American Association of Collegiate Schools of Business, the American Association of Schools and Departments of Journalism, the American Library Association, the National Association of Schools of Music, the Engineer's Council for Professional Development, the American Chemical Society, the National Association of Schools of Social Administration, the American Council on Pharmaceutical Education, and the American Association of Colleges of Pharmacy.

THE ENVIRONMENT OF THE UNIVERSITY

The University of Kentucky is located in Lexington in the center of the Bluegrass, a delightful country of scenic beauty and of great historical interest.

Many of the famous horse farms, some individual establishments containing more than a thousand acres, are open to visitors throughout the year. These farms, with their broad pastures,



A summertime scene on the University campus.

sparkling streams, woodlands, and paved roads provide Fayette County with a system of parks which is unique. Elmendorf; Walnut Hall; Calumet, home of Citation; Castleton; Hamburg Place; Dixiana; and Coldstream, are among the beautiful horse farms in Fayette County open to visitors.

Points of particular interest in Lexington, other than the nearby farms, are Ashland, the home of Henry Clay; General John Hunt Morgan's home; the home of Mary Todd, wife of Lincoln; the vast tobacco warehouses; the Keeneland Race Track; the track of the Kentucky Trotting Horse Breeder's Association; the United States Veterans' Hospital; and the U. S. Public Health Service Hospital.

Within a relatively short distance from Lexington are Frankfort, the Capital City, with its many historical features; Herrington Lake; Shakertown; Fort Harrod and its adjacent Pioneer Cemetery; the Old Kentucky Home; the Palisades of the Kentucky River; and many other points of historical and scenic interest.

STUDENT UNION BUILDING

The Union Building is the center of student activity on the campus. Various rooms are available for the enjoyment of students during leisure hours. One may meet friends or read leading magazines and newspapers in the Great Hall; engage in pool, billiards, or pingpong in the Game Room; play cards, checkers, or chess in the Social Room; and hear the works of great composers in the Music Room.

For the convenience of students, the building maintains an information desk, telegraph and telephone service, a modern barber shop, a cafeteria serving foods of quality, an attractive soda grill, conference rooms and comfortable lounges.

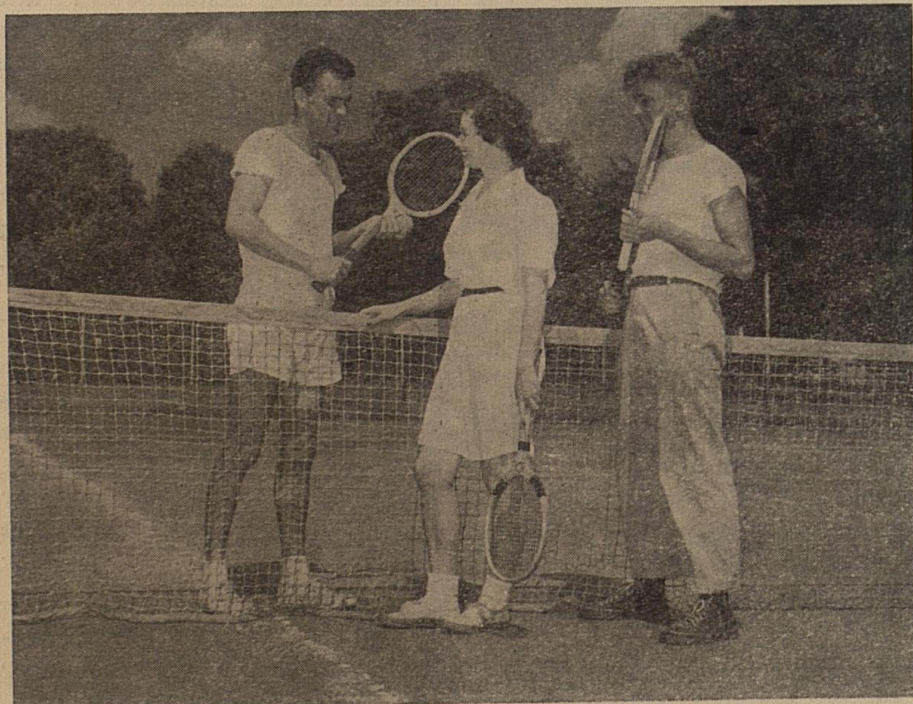
The Student Union Board is eager for all University students to take advantage of the services and facilities of the building.

PLACEMENT SERVICE

There is a constantly growing demand for the services of the graduates of the University of Kentucky. Placement services are maintained by several colleges on the campus and every attempt is made to procure for the students and for the graduates of the University the type of employment which will enable each one to achieve the best results.

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

The Teacher Placement Bureau of the College of Education is designed particularly to assist in the placement of superintendents, principals, and teachers. Each student in attendance at the University who desires a teaching position should register with the Placement Bureau, Room 115, Education Building. Superintendents



An opportunity for fun and relaxation after classes.

and college administrators who desire capable teachers should write directly to the bureau for recommendations and credentials.

The College of Engineering has an enviable reputation for educating its men well for successful careers in the engineering and industrial world. The demand for their services has been such that, with a few exceptions, 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 recreation time. Provision is made for Summer Session students to participate in numerous recreational activities and to learn the fundamental skills and techniques involved. The Physical Education Department is offering recreational courses for men and women students in archery, badminton, tennis, social and folk dancing, volley ball, bowling, hiking, camping, and intramural sports. 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 and classroom teachers will find the courses valuable in organizing teaching material and methods. Recreational leaders and directors will get new ideas on promoting leisure time activities.

Two features of the Summer School Program will be a World Politics Institute and a Family Life Institute. The former will offer a number of courses on various phases of International Relations, including a course on the United Nations in the Department of Political Science. There will be a course scheduled the first four weeks in which a series of current problems will be discussed by speakers especially selected for competence in their field. On July 6, 7, and 8 several outstanding speakers will discuss American Foreign Relations. Round table discussions will be featured. The Family Life Institute will be held July 19 to 21 with headquarters in Memorial Hall. The theme for the Conference will be "New Horizons for Family Living." Both institutes will be open to others than summer school students. Programs may be obtained from the Extension Department.

During the summer, many features will be added. The weekly movies will be continued. Musical programs, faculty recitals, lectures, summer opera in Cincinnati and Louisville, Blue Grass tours, picnics, dances, receptions, and teas are examples of some of the

extracurricular offerings. In addition to the overall program, departmental programs are many and varied. All Summer School students will find these activities profitable and enjoyable.

THE UNIVERSITY SCHOOL AND STUDENT TEACHING

The University School will be in session from Monday, June 6, through Friday, July 22. The high school will be open from 8:00 to 12:00 o'clock in the morning six days in the week. Classes in the elementary school will meet five days a week, 8:00 to 12:00 o'clock.

Students desiring to register for student teaching in the University School should make application on or before May 31, to Professor Lyman Ginger, Director of the University School. Students are urged to file their applications for this course as early as possible, as time should be allowed to check the prerequisites before registration.

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

The University School will provide instruction in subjects regularly offered in the schools of Kentucky. High school pupils may earn one unit of credit toward their graduation requirements. This unit of work may be done in one subject or in two different subjects.

Pupils from any school in the state will be permitted to enroll in the University School for the summer term. The tuition charge for high school pupils will be \$10 for one-half unit or \$20 for one full unit in the ninth, tenth, eleventh, and twelfth grades. The tuition charge for seventh and eighth grade pupils will be \$10. No tuition is charged in the Elementary School for the Summer session.

SUMMER SESSION IN MEXICO

The Second Summer Session in Mexico for students and teachers of Spanish will be held in the ancient city of Puebla, beginning June 20 and closing August 13. The objective of the session is to develop proficiency in the oral use of Spanish, give a first hand knowledge of Spanish American life, and make possible an interchange of cultural ideas. It is organized for undergraduate and graduate students and offers exceptional opportunities for teachers of Spanish to improve their knowledge of the language. Work taken in the Summer Session in Mexico will be recorded as University of Kentucky residence credits, transferable to other institutions by transcript upon application to the Registrar of the University of Kentucky. Application should be filed, not later than May 20, by writing Dr. Alberta Wilson Server, of the Department of Romance Languages.



The U.K. campus is a place of beauty during summer months.

LENGTH OF SESSION

The Summer Session of the University of Kentucky for 1949 will be eight weeks in length, six days a week. The session will open June 20 and close August 13. Classes during the Summer Session will begin at 7:00 a.m.

ADMISSION

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

Applicants for admission should write the Registrar's Office for forms on which to submit their applications, stating at the time whether they wish forms for admission to the freshman class, to advanced standing, or to the Graduate School. Applications and transcripts of credit should be filed in advance. Students entering with advanced standing and those entering the Graduate School should present transcripts from each institution they have attended.

To the Freshman Class. Applicants who are graduates of accredited high schools will be admitted to the University on certificate, provided they have at least fifteen units of acceptable high school work. A unit represents the study of any subject for a school year of at least thirty-two weeks, with five recitation periods a week, each of at least forty-five minutes in length, or the equiv-

alent thereof. Double periods are required in shop, drawing, typewriting, and all other courses which demand no out-of-class preparation. One unit is the minimum credit accepted in any foreign language, and one-half unit the minimum in any other subject.

While the University does not prescribe a pattern of work for admission, it recommends that at least ten of the units presented be chosen from English, the social studies, mathematics, the foreign languages, and the laboratory sciences, and that within these ten units the student offer at least three units in English, one and one-half in algebra, and one in plane geometry. Should a student lack these courses as prerequisites for any of his college work, he will be required to take them in college without credit.

Applicants who have graduated from unaccredited high schools and those not graduated from high school may be admitted as freshmen, if, in addition to presenting the fifteen acceptable units, they successfully pass the University classification examinations.

Admission to the University does not necessarily qualify a student for admission to a particular college. In every case the student must meet the admission requirements of the college in which he is to enroll.

To Advanced Standing. A student who applies for admission with advanced standing is expected to present evidence that he is in good standing in every respect in the institution last attended, and in general is required to have maintained a standing of 1.0 in all previous college work. The University does not disregard at any time or under any conditions college or university records in order to admit applicants solely on the basis of their high school records.

As a Special Student. A graduate of another university or college may enter the University as a special student. Other persons may be admitted as special students provided they are fully prepared to do the work desired and provided they are at least twenty-one years of age.

As an Auditor. By payment of the required fees any person maybe admitted to a class or classes as an auditor. A student regularly enrolled in any college must apply to the Dean of the college in which he is registered in order to be an auditor. Other persons should apply to the Registrar's Office for admission. No credit can be given for a class audited, nor is the student permitted an examination for credit.

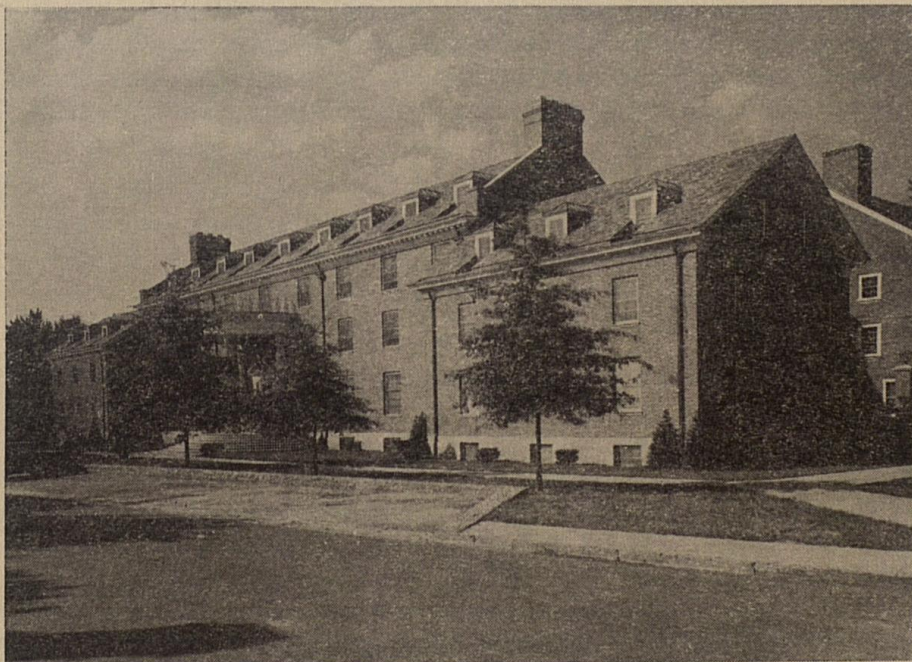
College of Arts and Sciences. Admission to this college is governed by the general admission requirements of the University outlined on the preceding pages.

College of Agriculture and Home Economics. Admission to this College is governed by the general admission requirements of the University outlined on the preceding pages.

College of Engineering. In addition to meeting the general admission requirements of the University, outlined on the preceding pages, the applicant for admission to the freshman class of the College of Engineering must rank in the upper three-fourths on the University classification tests. His high school credits must include one unit in plane geometry, one and one-half units in algebra, and one-half unit in solid geometry. If the student lacks only the half unit in solid geometry, he may be admitted, but this subject will be added to the requirements of the freshman year.

College of Law. An applicant for admission to the College of Law must offer 60 credits completed in residence in colleges other than Law, six of which must be in English and not more than six of which may be in Physical Education, Military Science, and other non-theory courses. A standing of 1.3 is the minimum qualitative requirement. While there is no prescribed pre-law curriculum, the applicant's record is evaluated in terms of its relationship to the study of law, and in terms of the requirements of the Association of American Law Schools.

College of Education. In addition to meeting the general admission requirements of the University, outlined on the preceding pages, the applicant for admission to the freshman class of the College of Education must rank in the upper three-fourths on the University classification tests. In order to transfer to the College



Bowman Hall, newest of the four dormitories for men.

of Education from another institution or from another college of the University, a student must have a standing of 1.0 or higher.

College of Commerce. In addition to meeting the general admission requirements of the University, outlined on the preceding pages, the applicant for admission to the freshman class of the College of Commerce must rank in the upper three-fourths on the University classification tests.

College of Pharmacy. Admission to this college is governed by the general admission requirements of the University outlined on the preceding pages.

The Graduate School. A graduate of a fully accredited institution of higher learning may be admitted to the Graduate School upon evidence of graduation and an official transcript of undergraduate courses. However, such admission does not obligate the University to accept all credit granted by the undergraduate school. When full credit is not granted, the student will be required to do more than the normal amount of work to complete a graduate degree. Applications from graduates of institutions not fully accredited will be individually evaluated.

NUMBERING OF COURSES

Courses numbered 1 to 99, inclusive, may be taken for credit only by undergraduate students. Courses numbered 100 to 199, inclusive, may be taken for credit by juniors, seniors, and graduate students, provided that a course so numbered may carry graduate credit only with the approval of the student's graduate committee. Courses numbered 200 or above are open only to graduate students.

STUDENT LOAD

The normal load for the summer session is 9 semester hours. Graduate students may earn nine weeks of residence.

FEES

For the summer session the full-time fee for all Kentucky students, except those enrolled in the Law School, will be \$28.50 and for students in the Law College the fee will be \$30.00. For out-of-state students, in all colleges except law, who entered before September 1, 1947, the fee will be \$43.50, and for those entering after September 1, 1947, the fee will be \$57.50. The fee for out-of-state students in the Law College will be \$45.00 and \$59.00 respectively.

Part-time students will pay according to the number of semester hours carried, except that the full-time fee will be paid in all cases when the student load for the session equals or exceeds six semester hours.

REFUNDS

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

LATE REGISTRATION

No student will be allowed to register for credit after June 25.

Students entering the University after the regular registration periods will be charged an additional fee of \$3.00 for the first day, \$4.00 for the second day, and \$5.00 for any day thereafter. No exceptions to this charge will be granted.

MARKING SYSTEM

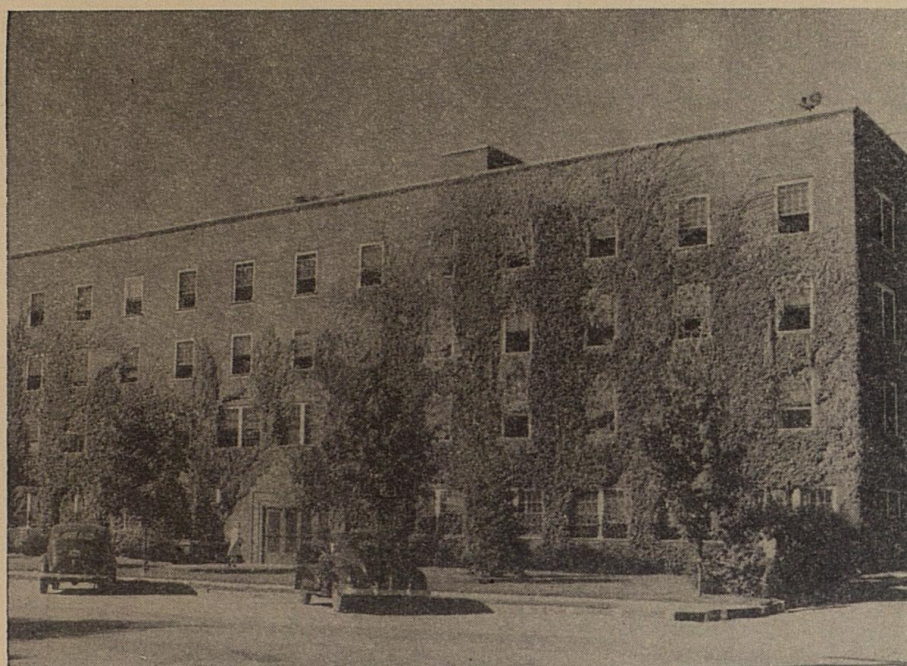
Results of work will be recorded in the Registrar's office as follows:

- 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 no points and no credits.
- 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. 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 \$10.00. 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 of cancellation is given the Dean of Women or the Dean of Men at least thirty days before the session opens for which the reservation is made.** Upon occupancy of the room by the student, this fee will be held as a breakage deposit to be returned at the close of the session.



Jewell Hall, one of the comfortable residence halls for women.

Women's Residence Halls. As the housing shortage has seriously limited the number of available rooms in Lexington, prospective students should make reservations for the Residence Halls or Sorority Houses as early as possible. The three large halls and as many of the smaller units as needed will remain open. Meals will be served in the central dining unit of the Residence Halls. The cost of room and board is \$100 per summer session.* Bed linens are furnished but students should bring blankets and towels. An application blank for reserving a room in the Residence Halls should be secured from the office of the Dean of Women but a reservation will not be made until the completed application is returned accompanied by the \$10 deposit. Admission to the University by the Registrar's Office does not constitute a reservation in the Residence Halls. All room assignments are made in the order of receipt of the completed application. In order to hold a room beyond the regular registration dates, special arrangements for late arrival should be made with the Dean of Women.

MEN'S RESIDENCE HALLS

All freshman men are required, by order of the Board of Trustees, to live in the Men's Residence Halls as far as space is available. Upperclassmen will be accepted in the halls if they cannot be filled with freshmen. The Office of the Dean of Men also

*The University reserves the right to change this figure in view of constantly rising living costs.

maintains a list of rooms in private homes which are available to students. Students may consult this list by calling at the Dean of Men's Office.

To make application for a room in the halls a \$10.00 deposit is necessary. This deposit will be refunded if notice is given the Dean's office within thirty days before the beginning of the session that the room is not desired. Otherwise, it will be forfeited.

For the 1949 Summer Session prices of rooms in the Men's Residence Halls will range between \$22.50 and \$34.50.

The University also maintains Officer Type Barracks, which were erected by the Federal Housing Administration and are operated under Government direction. Rent for the session per person will range between \$22.50 and \$25.00.

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

Rooms and Board in Lexington. All prospective University of Kentucky students should make arrangements for living quarters before coming to Lexington. For information relative to available rooms the student should apply to the Office of the Dean of Women, or Dean of Men. The housing shortage has seriously limited the number of available rooms in the city.

UNIVERSITY HEALTH SERVICE

The services of physicians and nurses and complete infirmary facilities will be available to the students registered in the Summer Session.

REQUIREMENTS FOR GRADUATION

Undergraduate Colleges. To be eligible for graduation from any undergraduate college of the University, a student must have completed the requirements of the curriculum as approved by the University Faculty. In addition to gaining the specified number of credits he must have an equal number of quality points—that is, a standing of 1.0.

Regardless of the length of time the student has attended the University, a minimum of thirty of the last thirty-six credits presented for the degree must be completed in residence at the University.

Not more than thirty-two of the credits required for an undergraduate degree may be gained by extension, special examination, or both. A student may not satisfy in excess of one-half the requirements for a major by extension, special examination, or both.

The Graduate School. A student is required to satisfy the requirements for the degree for which he is a candidate as of the date on which he enters the Graduate School. In all cases, however, a minimum residence of one year (36 weeks) is required for the master's degree, and three years (108 weeks) for the doctorate.

See the Catalog or Graduate Bulletin for the specific requirements for the various graduate degrees.

No transferred credits are accepted toward the master's degree. Two years of graduate work from a fully accredited institution which offers the doctor's degree may be accepted toward the Ph.D. or the Ed.D. degree.

Theses must be presented in final form to the Dean of the Graduate School not later than three weeks before the date set for the final oral examination. The oral examination must be taken at least fifteen days before the close of the semester or summer session.

A graduate student must maintain a standing of 2.0 and no grade below C shall be counted.

No graduate credit is given for courses taken by correspondence.

No work is given graduate credit unless the student was enrolled in the Graduate School at the time during which the work was taken.

Application for a Degree. All students in residence during the summer session who are to be candidates for degrees in August should make formal application in the office of the Registrar on Friday and Saturday, July 1 and 2. **No applications for graduation in August will be received after July 13.** 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.

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 library science, leading to the degree of B.S. in Library Science; in music, leading to the degree of A.B. 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 Law, Medicine, or 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 128 credits and 128 points; that is, a standing of 1.0, subject to the following conditions.

OUTLINE OF REQUIREMENTS FOR GRADUATION

Lower Division—Freshman and Sophomore Years

General Requirements:

English, first and second semesters, freshman year 6 credits.

General Hygiene, first or second semester, 1 credit.

Physical Education, freshman and sophomore years, passing the physical education achievement tests.

Military Science (men), freshman and sophomore year, 8 credits.

Group Requirements:

1. **Foreign Languages.** (French, German, Greek, Italian, Latin, Spanish). Required: Passing a proficiency examination, based on first year's work.



The countryside around Lexington is unmatched for beauty.

2. **The Humanities.** To satisfy the lower division requirements in the Humanities, students in the College of Arts and Sciences must earn four credits in literature and philosophy (Humanities A, B, or C) and two credits in Art or Music (Humanities D or E). These courses should be taken during the sophomore year, and two courses from A, B, or C may not be taken simultaneously.
3. **The Social Studies.** The student is permitted to choose one of the following sequences, to satisfy the group requirement in the social studies: (Each sequence will carry 6 credits.)
 History 10a, b or Political Science 10a, b, American Civilization; History 8a, b or Political Science 8a, b, European Civilization; Anthropology 3a, b, Sociology 3a, b or Geography 3a, b, Societies Around the World.
4. **The Biological Sciences.** Those students who, upon entering the University, state that they expect to elect a science curriculum shall satisfy the biological group requirements of the lower division by any general course or courses in one of the departments of the biological group. Other students shall satisfy the group requirements in the biological sciences by taking any two of the following courses: Anatomy and Physiology 2; Anthropology 1; Botany 25; Psychology 1; Zoology 1.
5. **The Physical Sciences.** Students will be permitted to take work in either one or two departments in order to satisfy the physical science group requirement. The student may choose six or more credits from the following courses: Astronomy 51a, b; Chemistry 1a, b, 4a, b; Geology 50a, b (50a is prerequisite for 50b), 14a, b (in connection with 50a, b), 3, 30a, b, Mathematics 5, 17, 18, 19; Physics 1a, b, 3a, b, 51a, b (51a is prerequisite for 51b).

Freshman Core Curriculum	Credits
General Hygiene	1
Military Science (men)	4
Physical Education	0
English	6
Humanities, or Social Studies	6
Physical or Biological Sciences	6
Foreign Languages or free electives	6

Total number of credits required in Lower Division, 64.

The normal load per semester is 16 credits.

Rules and Procedures

1. Superior Students: Entering freshmen, in the upper twenty-five per cent of the classification scale, as determined by Uni-

versity of Kentucky classification tests, may substitute other courses in the groups for those courses which are set up especially to satisfy group requirements. Other students, in the top twenty-five per cent of the classification scale of the University of Kentucky classification tests, with a standing of 2, may be granted the same privilege.

2. The requirements in whole or in part for English, for General Hygiene, and for any of the Groups under Section II, may be satisfied without credit by passing a departmental proficiency examination.

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

The Four Generically Related Fields Are: 1. Literature, Philosophy, and the Arts. 2. Social Studies. 3. Physical Sciences. 4. Biological Sciences.

Tutorial Work and Comprehensive Examinations. Students majoring in the departments of Anatomy and Physiology, Ancient Languages, Art, Botany, Economics, Geology, German, Journalism, Music, Philosophy, Physical Education, Physics, Political Science, Psychology, Radio Arts, Romance Languages, Social Work, Sociology, and Zoology will be required to schedule tutorial courses as specified by their major department and to take final comprehensive examinations as a prerequisite for graduation.

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Agriculture

To receive the degree Bachelor of Science in Agriculture a student is required to gain a total of 136 credits and 136 points. These represent the minimum requirements for graduation. There are seven curricula in agriculture, and completion of the requirements of any one of these leads to the degree. The student is responsible for meeting the requirements for graduation.

The General Curriculum in Agriculture enables the student to obtain a general education and at the same time pursue some specialization in a chosen field. In this curriculum the student has the

privilege of selecting one of the following options for study during the junior and senior years: Agricultural Entomology, Agricultural Extension, Agricultural Science, Agronomy, Farm Economics, General Agriculture, Markets and Rural Finance, Rural Sociology, and Vocational Agriculture.

The Curriculum in Agricultural Economics is for students desiring to enter some phase of agricultural business.

The Curriculum in Agronomy is for students preparing for graduate study in soils and crops.

The Curriculum in Animal Industry is for students whose primary interest is in livestock production and the livestock industry. The student in this curriculum chooses one of the following options: Animal Husbandry, Dairy Manufacturing, Dairy Production, or Poultry Husbandry. Proper use of free electives permits a student to prepare to teach Vocational Agriculture.

The Curriculum in Horticulture is for students interested in the production of fruits and vegetables and in allied industries. It provides opportunity for a student to prepare to teach Vocational Agriculture.

The Curriculum in Ornamental Horticulture prepares specialists in floriculture and landscape gardening.

The Curriculum for Teachers of Vocational Agriculture prepares students to be teachers of agriculture in high school.

Home Economics

To receive the degree Bachelor of Science in Home Economics a student is required to gain a total of 136 credits and 136 points. These represent the minimum requirements for graduation. There are six curricula in home economics and a student who completes the requirements of any one of these qualifies for the degree. The student is responsible for meeting requirements for graduation.

The General Curriculum in Home Economics meets the needs of most students and provides the basic requirements for the curricula in major fields. It enables the student to obtain a general education and at the same time pursue some specialization in a chosen field of home economics.

In addition to the general curriculum, provision is made for majors in the following fields: Child Development and Family Living; Clothing, Costume Design, Textiles and Interior Decoration; Home Economics Extension; Institution Economics; and Vocational Home Economics.

COLLEGE OF ENGINEERING

Admission. For admission to the freshman class in the College of Engineering, applicants should present one and one-half units in Algebra, one unit in Plane Geometry, 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, except the half unit in Solid Geometry, may be admitted to the freshman class, but will be required to remove the deficiency during the freshman year. It is desirable, but not obligatory, that applicants also have high school credit in Chemistry, Physics, and Trigonometry. Admission to the freshman class of this college is limited to students rated in the upper three-quarters on the University classification tests. An applicant for admission who ranks in the lower one-fourth on the University classification tests may enter the College of Arts and Sciences and, if satisfactory progress is made during the year, may be admitted to the College of Engineering.

Courses of Study and Degrees. The College of Engineering offers instruction leading to the following baccalaureate degrees:
Bachelor of Science in Civil Engineering
Bachelor of Science in 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 essentially the same during the freshman year. This gives the student the benefit of a period of training in fundamental subjects before he is required to choose among the different fields.

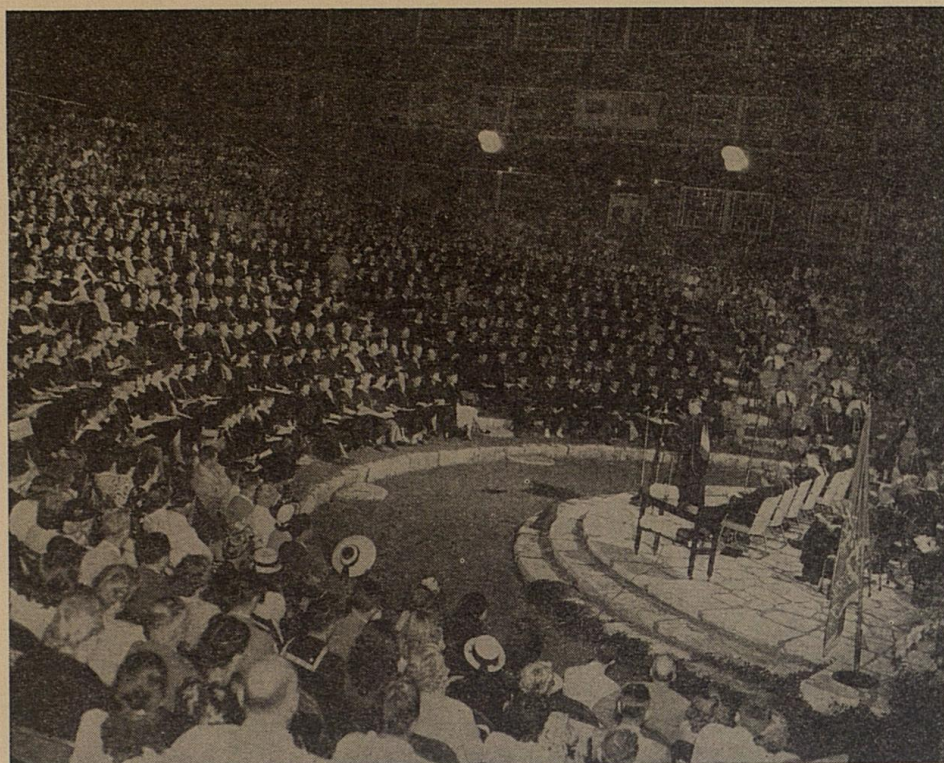
There will be a freshman class in engineering beginning work in the Summer Session of 1949.

THE COLLEGE OF LAW

The College of Law offers a number of regular courses in the Summer Session, during which students may obtain credits and residence equivalent to one-half semester. By attending two Summer Sessions, students may thus materially shorten the time required for graduation. A total of six semesters or the equivalent is required for graduation. The same quality of work is required in the Summer Session as is required in the regular semesters.

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 studying 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. However, no new class of beginning students is admitted to the College during the Summer Session. The next regular class of new students will be admitted in September, 1949.

The law library is one of the best in the South, consisting of approximately 35,000 volumes. It receives regularly approximately 100 legal periodicals.



Impressive Commencement exercises as the Summer Session closes.

The Order of the Coif was established in 1931. Summer Session students are entitled to consideration for membership in this Order on the completion of other work.

The College of Law publishes the Kentucky Law Journal four times a year.

COLLEGE OF EDUCATION

The College of Education grants the degree of Bachelor of Arts in Education.

To be admitted to the College of Education a student shall meet the following requirements: standing of at least 1.0 (average of C on all previous work) or, if an entering freshman, he must rank in the upper three-fourths on the University placement tests.

For a degree in education the student is required to present a total of 128 credits with a standing of 1.0.

General Requirements for Students in the Field of Secondary Education

A student who majors in secondary education must complete 128 credits with a standing of 1.0 to be graduated. Majors in secondary education have the following options in the choice of curric-

ula leading to certificates: (1) an area of concentration, (2) two majors, (3) one major and two minors, or (4) one major and one minor when the credit in both is 48 credits, (54 credits when English is included as a major).

Teaching Majors, Minors, and Areas of Concentration

A major shall consist of 24 credits, except a major in English which shall require 30 credits.

A minor shall require 18 credits.

An area of concentration varies with the subjects. Usually it shall be 48 credits unless otherwise specified.

I. General Requirements	Credits
a. English, including composition, literature, and speech	12
b. Health, Physical Education, and Safety.....	6
c. Psychology	6
d. Group requirements	27

Each candidate must present not less than 27 credits distributed among three fields with not fewer than 6 credits in any field. Two of these three groups must be in fields different from the majors and minors or area of concentration. One group may be in the same field but not in the same subject as the major or one minor. The fields from which the 27 credits may be selected are:

- | | |
|---------------------------|---------------------|
| Fine Arts | Science |
| Foreign Language | Social Science |
| Mathematics | Vocational subjects |
| Philosophy and Psychology | |

II. Professional Preparation	Credits
a. Introduction to Education	2
b. Educational Psychology	3
c. School Organization	3
d. Fundamentals of Secondary Education	3
e. Student Teaching	9

General Requirements for Students in the Field of Elementary Education

A student who majors in elementary education must complete a total of 128 credits, with a standing of 1.0, to be graduated.

I. General Requirements	Credits
a. English, including composition, speech, English and American literature	15
b. Science, including heredity	12

c. Social Sciences, including American Civilization, Kentucky History, Sociology, and Geography	21
d. Fine Arts, including public school music and public school art	6
e. Psychology	6
f. Nutrition	3
g. Health and Physical Education	6
II. Professional Preparation	
a. Child Growth and the Curriculum	6
b. Industrial Arts in the Elementary School	2
c. Teaching Arithmetic in the Elementary School	3
d. The Teaching of Reading	3
e. Children's Literature	3
f. Science in the Elementary School	3
g. Student Teaching in the Elementary School	12
III. Electives	27

COLLEGE OF COMMERCE

The degree of Bachelor of Science in Commerce is conferred upon students who meet the requirements of any one of the curricula offered by the College of Commerce. The minimum number of semester credits required for graduation is 128, except under the Industrial-Administration Curriculum which requires 144. The scholarship standing must be at least 1.0. Unless two units in the ancient or modern 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 the minimum requirements all Commerce students are urged to take some foreign language.

The courses listed in the General Business Curriculum constitute a core curriculum, because with minor exceptions, these courses are required in all curricula. They are considered basic to all majors or fields of concentration.

COLLEGE OF PHARMACY

At present the College of Pharmacy does not offer a summer session program.

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 teachers colleges 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.

Residence Credit. A graduate student must carry at least six hours in the Summer Session to be entitled to full residence credit for the session.

Applicants 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 electives, 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 2.0.

Requirements for Professional Degrees. The professional degree of M.A. or M.S. in Education, or M.S. in Agriculture or Home Economics, may be secured with the same requirements except that there is no language requirement and, that with the permission of the department concerned, 12 additional credits and 9 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 during any semester or summer session is computed on the basis of one and one-half weeks of residence for each credit earned, but the amount of residence for part-time work in the regular school year is limited, except for graduate assistants and part-time instructors, to not more than six weeks in any one semester.

Under certain conditions, up to one-third of the credit and residence requirement for any master's degree may be satisfied by off-campus courses taught by regular faculty members. Correspondence credits may not be applied toward advanced degrees.

General Requirements for the Doctor's Degree. The degree of Doctor of Philosophy is offered with major work in the following departments: Bacteriology, Chemistry, Education, Economics, English, History, Mathematics, Physics, Psychology, Political Science, Romance Languages, and in the combined fields of Agricultural Economics and Rural Sociology. 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 attainment 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.

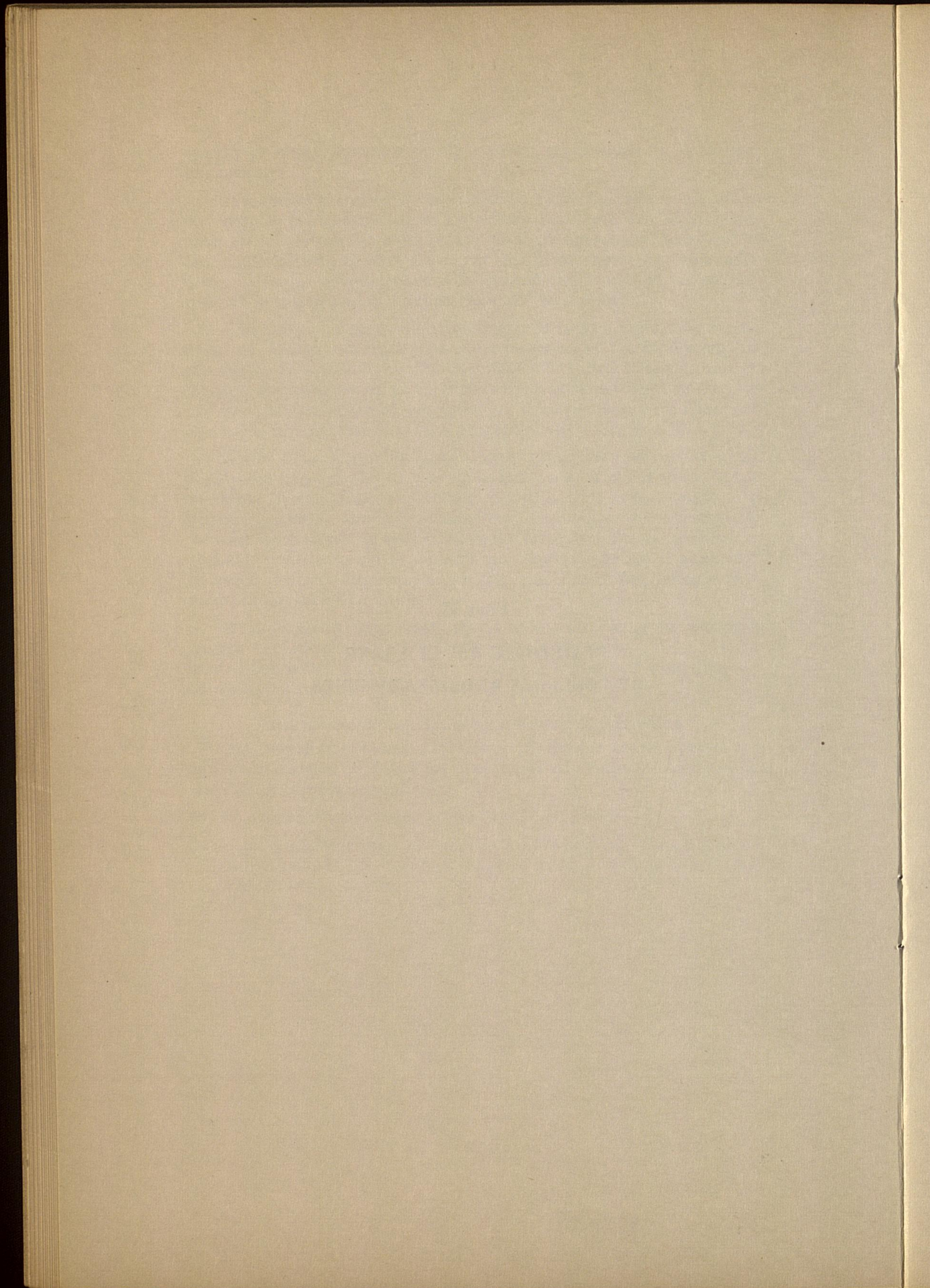
Work done in other institutions of learning may be accepted toward the doctorate at the University of Kentucky but no work is credited which has not been done in a college or university of recognized standing or in a research laboratory.

Requirements for the Degree Doctor of Education

The requirements for the degree of Doctor of Education are exactly the same as those for the degree of Doctor of Philosophy with the following exceptions:

1. No languages are required for the Ed.D. Degree.
2. A total of 72 credits are required of which at least one-third and not more than one-half must be in departments outside the College of Education.

Part II
SCHEDULE OF CLASSES
BY COLLEGES AND DEPARTMENTS



EXPLANATIONS AND ABBREVIATIONS

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

Days of recitations are indicated by the initial letters of the days. For example, M-TH indicates the class is offered Monday through Thursday, M-S indicates the class is offered Monday through Saturday, etc.

The buildings are indicated as follows:

A, Administration	L, Lafferty Hall
AE, Agricultural Engineering	McVH, McVey Hall
AH, Anderson Hall	MeH, Memorial Hall
AP, Animal Pathology	MeL, Meat Laboratory
Agr, Agriculture	MG, Men's Gymnasium
BH, Barker Hall	MH, Miller Hall
BL, Bowling Lanes	ML, Mining Laboratory
BS, Biological Sciences	Museum
CA, Chemistry Annex	MA, Music Annex
D, Dairy	NH, Neville Hall
DC, Dairy Center	NS, Nursery School
E, Education	Obs, Observatory
FB, Funkhouser Biological Sciences	Pence, Pence Hall
FH, Frazee Hall	Q, Quonset
Guig, Guignol	SP, Stock Judging Pavilion
HB, Health and Hygiene	SS, Social Sciences
HE, Home Economics	SU, Student Union
KH, Kastle Hall	TL, Tobacco Laboratory
KL, King Library	WG, Women's Gymnasium
	WH, White Hall

RECITATION HOURS **

First Hour	7:00— 7:50
Second Hour	8:00— 8:50
Third Hour	9:00— 9:50
Fourth Hour	10:00—10:50
Fifth Hour	11:00—11:50
Sixth Hour	12:00—12:50
Seventh Hour	1:00— 2:00
Eighth Hour	2:10— 3:10
Ninth Hour	3:20— 4:20
Tenth Hour	4:30— 5:30

**Recitation hours are fifty minutes during the mornings and sixty minutes during the afternoons.

INSTRUCTIONS FOR CLASSIFICATION

1. After you have registered go to the Dean's booth in the Men's Gymnasium, for information and assignment to your adviser.
2. Make out your schedule with the help of your adviser.
3. In making out your schedule write, in the proper spaces, the **name of the department** with the course and section numbers.
4. After classes are assigned leave four copies of your schedule at your Dean's booth.
5. **Any changes** from the original schedule must be made in the Dean's office. To drop a subject at any time during the quarter, you should first consult your Dean.
6. Extra work petitions must be presented when schedules exceed the amount permitted by the college in which you are enrolled. A standing of 2.0 is required.
7. Four copies of your completed schedule must be filed with your Dean before the close of the registration period. Failure to do this may result in loss of credit for the term.
8. A course cannot be added to your schedule after June 25.

COLLEGE OF ARTS AND SCIENCES

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
AGRICULTURE							
A student in the College of Arts and Sciences may elect toward the A.B. and B.S. degree a total of 30 credits from other colleges of the University.							
ANATOMY AND PHYSIOLOGY							
R. S. Allen, Head of Department, Funkhouser, Biological Sciences, Room 304.							
UPPER DIVISION REQUIREMENTS—Junior and Senior Years							
Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences during the junior and senior years, including the major work.							
Requirements for a Major. Prerequisites: Anatomy and Physiology 10; Zoology 1; Botany 1; Physics 1a and 1b; Chemistry 1a and 1b. Required: A minimum of 4 elective credits of advanced work in Anatomy and Physiology plus the courses A. & P. 107, 108, 109, 116a, 116b, and passing a comprehensive examination in the senior year.							
LOWER DIVISION REQUIREMENTS—See Page 21.							
*2	Elementary Anat. and Physiol., Lec. and Rec.	3	3	M-S	FB	313	Allen
10 ₁	General Physiology, Lec.	5	1:00 to 2:50	M-S	FB	307	Stacy
10 ₂	General Physiology, Lab.			TWThF	FB	307	Assistant
(Prerequisites: Chemistry 1a and 1b; Physics 1a and 1b. Physics may be taken concurrently.)							
Courses open only to Upper Division and Graduate Students:							
C105	Architecture of the Human Skeleton, Lec. and Rec.	3	4	M-S	FB	305	Allen
(Prerequisites: Junior Standing.)							
106	Introduction to Endocrinology	3	2	M-S	FB	313	Archdeacon
(Prerequisites: A. & P. 10 or the equivalent; Zoology 7b; Chemistry 1a and 1b; and the Instructor's consent.)							
108	The Physiology of Circulation and Respiration	3	4	M-S	FB	307	Stacy
(Prerequisites: A. & P. 10 or the equivalent.)							
109	Cellular Physiology	3	5	M-S	FB	306	Archdeacon
(Prerequisites: A. & P. 10 or the equivalent, Physics and General Chemistry.)							
Course open only to Graduate Students:							
201a-i	Research in Physiology	3 ea.	By App't.		FB	{ 303a 304a 305a }	Staff

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ANCIENT LANGUAGES							
Jonah W. D. Skiles, Head of the Department, Frazee Hall, 102.							
UPPER DIVISION REQUIREMENTS—Junior and Senior Years							
Requirements in the Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts during the junior and senior years, including the major work. Requirements for a Major. Prerequisites: First two years of college Latin or Greek. Required: A minimum of 15 credits of advanced work in Ancient Languages; Tutorial Seminar; comprehensive examination in the senior year.							
Note.—The student who presents one unit of high school foreign language will be permitted to enroll in first year work for full credit. The student who presents two units of high school foreign language will be permitted to enroll in first year work, but will receive credit only if he makes at least a B standing in this course.							
LOWER DIVISION REQUIREMENTS—See Page 21.							
*C1a	Beginning Latin	1	2	M-S	FH	106	
*C1b	Elementary Latin Reading	2	2	M-S	FH	106	
(C1a and C1b are planned as a refresher sequence for teachers and may not be taken separately. Qualified undergraduate students may be admitted on permission of the Head of the Department.)							
Courses open only to Upper Division and Graduate Students:							
121	Roman Civilization	2	5	MTFS	FH	106	Skiles
150	The Teaching of Latin	3	3	M-S	FH	106	Skiles
C150	The Teaching of Latin						
(Demonstration Class in Beginning High School Latin, June 22-July 16.							
C150	The Teaching of Latin (June 22-July 16)	1	4	M-S	FH	106	Bobbitt
			3	M-S			Skiles
		4	4	M-S	FH	106	and
			5	M-S			Bobbitt
151a-h	Independent Work in A. L.						
(Reading, grammar and composition, and research courses in Greek or Latin given for individual students.)3 ea. By Appt. FH 102 Skiles							
C151d	Independent Work in Anc. Lang.		2	M-S	A	303	Skiles
	(June 20-July 17)	4	3	M-F	A	303	Skiles
			8	M-F	A	303	Skiles
C151e	Independent Work in Anc. Lang.		2	M-S	A	303	Skiles
	(July 19-August 13)	4	3	By Apt.	A	303	Skiles
			8	M-F	A	303	Skiles
ANTHROPOLOGY							

Wm. S. Webb, Head of Department, Pence Hall, 101.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the Social or Biological Sciences groups during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Anthropology 1 and 2; Sociology or Geography 3a.

Required: A minimum of 24 credits of advanced work, including Anthropology 105, 106 or 107; 115; 125; 150a-b.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	ANTHROPOLOGY Continued						
LOWER DIVISION REQUIREMENTS—See Page 21.							
Note: Only the following sequences will satisfy the lower division requirements in the social studies: History or Political Science 8a, b or 10a, b; Sociology, Geography or Anthropology 3a and Sociology or Geography 3b.							
*1	Intro. to Physical Anthropology	3	1	M-S	SS	128	Snow
*2	Intro. to Cultural Anthropology	3	2	M-S	SS	128	Essene
*3a	{ Societies Around the World ... { (Same as Geog. 3a and Soc. 3a)	3	3	M-S	SS	128	Essene
Courses open only to upper division and graduate students:							
103a-d	Independent Work in Anthropology	3 ea.	By Appt.		SS	127	Staff
	ART						

Edward W. Rannells, Head of Department, Funkhouser Biological Sciences, 219.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Art 61a (drawing), 62 (design), 35, 36 (history of art). **Required:** A minimum of 26 credits of advanced work in art—12 credits in studio courses, 12 credits in history of art, 2 credits in the senior seminar, plus a comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

*10-a	Public School Art	2	{ 7, 8, 9 and 3 hrs. by Appt.	TTh	FB	213	Fitz
*10-b	Public School Art	2	7, 8	M-F	E	170	Haines
*61-a	Elementary Drawing	3	{ 7, 8, 9 and 6 hrs. by Appt.	MWF	FB	213	Green
*62	Basic Design	3	{ 7, 8, 9 and 6 hrs. by Appt.	MWF	FB	214	Barnhart
64a-b	Intermediate Design	3 ea.	{ 7, 8, 9 and 9 hrs. by Appt.	TTh	FB	214	Green
65a-b	Painting	3 ea.	{ 7, 8, 9 and 6 hrs. by Appt.	MWF	FB	316	Fitz
Courses open only to Upper Division and Graduate Students							
157	Art in Secondary Schools	3	4	M-S	FB	212	Amyx
165a-b	Intermediate Painting	3	{ 7, 8, 9 and 9 hrs. by Appt.	TTh	FB	315	Barnhart
175a-b	Independent Work:	3	15 hrs. by Appt.		FB	212	Rannells
175a-b	History, Criticism Independent Work:	3	15 hrs. by Appt.		FB	315	Barnhart
179a-b	Painting, Printmaking Independent Work:	3	15 hrs. by Appt.		FB	214	Green
	Design, Construction						

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
BACTERIOLOGY							
M. Scherago, Head of Department, Funkhouser Biological Sciences, 104.							
UPPER DIVISION REQUIREMENTS—Junior and Senior Years							
Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences during the junior and senior years, including the major work.							
Requirements for a Major. Prerequisites: Chem. 1a, b; Bact. 2b or 52 and 104.							
Required: Two credits in Seminar and a minimum of 14 additional credits of advanced work in Bacteriology, including Bact. 125a and b.							
LOWER DIVISION REQUIREMENTS—See Page 21.							
52 ₁	Principles of Bact., Lec.	4	1	MWFS	FB	124	Edwards
52 ₂	Principles of Bact., Lab.		2, 3	MWFS	FB	208	Scharfschwerdt
52 ₃	Principles of Bact., Lab.		7, 8	MWThF	FB	208	Scharfschwerdt
Prerequisite: or concurrent: Chem. 1b.							
56 ₁	Bacteriology of Foods, Lec. ..	4	1	MTThF	FB	125	Weaver
56 ₂	Bacteriology of Foods, Lab. ..		1, 2	WS	FB	207	Hardin
			2, 3	TTh	FB	207	Hardin
Prereq.: Bact. 102 or 52; or 2b and Chem. 1b.							
57 ₁	Bact. of Water & Sewage Lec.	4	5	MTWF	FB	124	Weaver
57 ₂	Bact. of Water & Sewage Lab. } Prereq.: Bact. 102 or 52; or 2b and Chem. 1b.		4, 5	MTThS	FB	207	Hardin
Courses Open Only to Upper Division and Graduate Students:							
103 ₁	Pathogenic Bacteriology, Lec. }	4	5	MTWF	FB	124	Humphries
103 ₂	Pathogenic Bacteriology, Lab. }		7, 8	MWF	FB	206	Humphries
Prereq.: Bact. 102 or 52; or 2b and Chem. 1b.							
104	Applied Bacteriology Lab. ...	2		By Appt.		119	Scharfschwerdt
Prereq.: Bact. 102 or 52; or 2b and Chem. 1b.							
110a	Laboratory Diagnosis Lab.	3	1, 2	M-S	FB	206	Hotchkiss
Prereq.: Must be preceded or accompanied by Bact. 103. ...							
110b	Laboratory Diagnosis Lab.	3	3, 4	M-S	FB	206	Hotchkiss
Prereq.: Bact. 103.							
111 ₁	General Pathology, Lec.	4	4	MWThF	FB	124	Scherago
111 ₂	General Pathology, Lab.		4, 5	TS	FB	210	Scherago
			5	MWThF	FB	210	Scherago
Prereq.: Anatomy & Physiology 10; Zoology 7b, 101b and 106; Bact. 103, and consent of Head of Department.							
115a-f	Independent Work3-ea.			By Appt.	FB	103	Staff
Prereq.: Any course in Bact. above 2b.							
120a	Hospital Laboratory Practice ..	4		By Appt.	Good Samaritan Hospital		Maxwell and Harrison
120b	Hospital Laboratory Practice ..	6		By Appt.	Good Samaritan Hospital		Maxwell and Harrison
Prereq.: Bact. 110a and b; consent of Head of Dept.							
Courses open only to Graduate Students:							

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
BACTERIOLOGY—Continued							
201a-g	Research in Bacteriology, Lab.,	5-ea.		By Appt.	FB	103	Sr. Staff
210	Clinical Mycology, Lab.	2		By Appt.	FB	110	Hotchkiss
Prereq.: Chem. 130b; reading knowledge of one foreign language; preceded or accompanied by Bact. 125.							
220	History of Bacteriology, Lec.	2		By Appt.	FB	104a	Weaver
Prereq.: Bact. 125.							
222	Advanced General Bacteriology	4		By Appt.	FB	104a	Weaver and Hardin
Prereq.: Bact. 125; Chem. 130b.							
224	Disinfectants & Antibiotics	3		By Appt.	FB	110	Hotchkiss
Prereq.: Bact. 2b or 52 and 104; Chem. 130b.							
270	Electron Microscopy	3		By Appt.	FB	B1	Edwards
Prereq.: Physics 3a, 3b; and consent of Instructor.							
272	Viruses and Rickettsiae	4		By Appt.	FB	B1	Edwards
Prereq.: Bact. 125.							
BOTANY							

Herbert P. Riley, Head of Department, Funkhouser Biological Sciences Bldg., B2.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Botany 2 or 1b. **Required:** A minimum of 20 credits of advanced work in Botany and the passing of a comprehensive examination covering chiefly the fields of morphology, taxonomy, and physiology.

LOWER DIVISION REQUIREMENTS—See Page 21.

*1	General Botany, Lec.	4	1	M-Th	SS	102	Hall
*1	General Botany, Lab.		2, 3	M-Th	SS	102	Hall
*2	General Botany, Lec.	3	1	M-Th	SS	216	McInteer
*2	General Botany, Lab.		7, 8	TTh	SS	102	McInteer
*25-1	General Plant Biology	3	4	M-S	SS	102	Hall
*25-2	General Plant Biology	3	5	M-S	SS	102	McInteer
Prerequisite to Botany 19: Botany 1, 2, or 25.							

CHEMISTRY

Lyle R. Dawson, Head of Department, Kastle Hall, 105A.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Physical Sciences during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: 1a, 1b, 21a, 21b, and mathematics through the calculus. **Required:** 130a, 130b, 140a, 140b, 144a, 144b, 110a, 110b, 111, 133, 188a, 188b, and eleven credits to be chosen from the field of physical sciences.

LOWER DIVISION REQUIREMENTS—See Page 21.

*1a	General Chemistry, Lec.	5	2	MTThF	KH	201	Staff
*1a	General Chemistry, Rec.		2	WS	KH	201	Staff
*1a	General Chemistry, Lab. (Prereq., Proficiency in Arithmetic and Algebra)		3, 4	MWFS	KH	101	Staff
*1b-1, 2	General Chemistry, Lec.		5	MTThF	KH	201	Staff
*1b-1, 2	General Chemistry, Rec.		5	WS	KH	201	Staff

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
CHEMISTRY—Continued							
*1b-1	General Chemistry, Lab.	5	2, 3, 4	MW	CA	100	Staff
*1b-1	General Chemistry, Lab.		2, 3	F	CA	100	Staff
*1b-2	General Chemistry, Lab.		2, 3, 4	TTh	CA	100	Staff
*1b-2	General Chemistry, Lab. (Prereq., 1a)		2, 3	S	CA	100	Staff
*4a	Gen. Chem. for Students in Agri. and Home Econ., Lec..	4	4	MTThF	KH	201	Staff
*4a	Gen. Chem. for Students in Agri. and Home Econ., Rec..		4	WS	KH	201	Staff
*4a	Gen. Chem. for Students in Agri. and Home Econ., Lab.. (Prereq., Proficiency in Arithmetic and Algebra)		2, 3	TTh	KH	101	Staff
*4b	Gen. Chem. for Students in Agri. and Home Econ., Lec..	4	3	MTThF	KH	201	Staff
*4b	Gen. Chem. for Students in Agri. and Home Econ., Rec..		3	WS	KH	201	Staff
*4b	Gen. Chem. for Students in Agri. and Home Econ., Lab.. (Prereq., 4a)		7, 8	TTh	KH	101	Staff
21a	Quant. Analysis, Lec.	5	1	MTThF	KH	111	Stewart
21a	Quant. Analysis, Lab. (Prereq., 1b or 2b)		2, 3, 4	MTThF	KH	113	Stewart
21b	Quant. Analysis, Lec.	4	6	MTThF	KH	111	Schreyer
21b	Quant. Analysis, Lab. (Prereq., 21a)		7, 8	MTThF	KH	113	Schreyer
30a	Organic Chem., Lec.	5	2	M-S	KH	214	Barkenbus
30a	Organic Chem., Lab. (Prereq., 1b or 2b)		3, 4	MTThF	KH	215	Barkenbus
30b	Organic Chem., Lec.	5	6	MTThF	KH	209	Estes
30b	Organic Chem., Lab. (Prereq., 30a)		5, 6	W			
37	Organic Chem. (non-majors), Lec.	4	4	M-S	KH	209	Cavagnol
37	Organic Chem., Lab. (Prereq., 1b, 2b, or 4b)		5, 6	TTh	KH	215	Cavagnol
Courses open only to Upper Division and Graduate Students:							
110a	Adv. Inorganic Chemistry (Prereq., Quant. Anal. and Organic Chem.)	2	2	MTThF	KH	B14	Long
114	Non-aqueous Solutions (Prereq., 140b)	2	4	MTThF	KH	B14	Dawson
130a	Organic Chem., Lec.	5	2	M-S	KH	214	Barkenbus
130a	Organic Chem., Lab. (Prereq., 1b or 2b)		3, 4	MTThF	KH	215	Barkenbus
130b	Organic Chem., Lec.	5	6	MTThF	KH	209	Estes
130b	Organic Chem., Lab. (Prereq., 130a; minimum 5 students)		5, 6	W			
133	Qual. Org. Anal., Lec. and Lab.. (Prereq., 30b or 130b)	3	18 hrs.	By Appt.	KH	215	Barkenbus
181	Chemical Literature Courses open only to Graduate Students:	1	2 hrs.	By Appt.	KH	111	Stewart

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
CHEMISTRY—Continued							
239a	Topics in Organic Chemistry ... (Prereq. 130b)	2	3	MTThF	KH	204	Estes
290a-1	Research in Chemistry	5 ea.	15 hrs.	By Appt.	KH	Arr.	Staff
ECONOMICS							

Economics Majors see Professor L. H. Carter, College of Commerce.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years.

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Two courses in Economics, including Economics 1. **Required:** A minimum of 21 credits of advanced work in Economics, including Economics 102, 104 and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics courses numbered above 100. In addition tutorial course 16 must be taken in the senior year to prepare for the required comprehensive examination.

LOWER DIVISION REQUIREMENTS—See Page 21.

1-1	Principles of Economics	3	2	M-S	SS	131	Hargreaves
1-2	Principles of Economics	3	3	M-S	SS	132	Masten
1-3	Principles of Economics	3	5	M-S	McVH	231	Tolman
*2	Economic History of Europe ..	3	2	M-S	WH	102	Jennings
*3	Economic History of the U. S...	3	3	M-S	WH	102	Jennings
7a	Principles of Accounting, Rec...	4	1	MTThF	WH	306	Cojeen
	Principles of Accounting, Lab...		2, 3	MTWTh	WH	306	Cojeen
7b	Principles of Accounting, Rec...	4	4	MTThF	WH	306	Grady
	Principles of Accounting, Lab...		5, 6	MTThF	WH	306	Grady
*9	Business Organization	3	2	M-S	WH	301	Tolman
16	Tutorial Work in Economics ...	1		By Appt.	WH		Carter
Courses Open only to Upper Division and Graduate Students:							
102	Labor Problems	3	2	M-S	WH	103	Carter
	(Prereq. Econ. 1)						
104	Public Finance	3	2	M-S	WH	101	Sullivan
	(Prereq. Econ. 1)						
105	Money and Banking	3	1	M-S	WH	103	Masten
	Prereq. Econ. 1						
107-1	Statistical Method, rec. and lab..	3	1, 2	MTThF	WH	401	Massie
107-2	Statistical Method, rec. and lab..	3	4, 5	MTWTh	WH	401	Massie
110	Business Cycles	3	2	M-S	SS	132	Haynes
	(Prereq. Econ. 1 and an elem. course in Statistics)						
112a-f	Individual Work in Economics... 1 ea.			By Appt.			Staff
115	Value and Distribution Theory..	3	4	M-S	SS	203	Haynes
127	International Economics	3	4	M-S	WH	103	Sullivan
	(Prereq. Econ. 1)						
Courses open only to Graduate Students:							
202a-f	Seminar	1 ea.		By Appt.			Carpenter
204	Survey of Economic Theory Since the Austrian School ...	3	4	M-S	SS	132	Hargreaves

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
EDUCATION							
A student in the College of Arts and Sciences may elect toward the A.B. and B.S. degree a total of 30 credits from other colleges of the University.							
ENGINEERING							
A student in the College of Arts and Sciences may elect toward the A.B. and B.S. degree a total of 30 credits from other colleges of the University.							
ENGLISH							
Herman E. Spivey, Head of Department, McVey Hall, 213.							
UPPER DIVISION REQUIREMENTS: Junior and Senior Years.							
Requirements in the Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work.							
Requirements for a Major. Prerequisites: English 1a, 1b; 3a, 3b. Required: A minimum of eighteen credits of advanced work in English.							
LOWER DIVISION REQUIREMENTS—See Page 21.							
*1a-1	English Composition	3	1	M-S	McVH	209	
*1a-2	English Composition	3	2	M-S	McVH	209	
*1a-3	English Composition	3	3	M-S	McVH	209	
*1a-4	English Composition	3	4	M-S	McVH	209	
*1b-1	English Composition	3	2	M-S	McVH	207	
*1b-2	English Composition	3	3	M-S	McVH	207	
*1b-3	English Composition	3	4	M-S	McVH	207	
NOT OPEN TO FRESHMAN							
3a-1	Survey of English Literature ..	3	4	M-S	McVH	200	Cutler
3a-2	Survey of English Literature ..	3	2	M-S	McVH	200	Hardy
3b-1	Survey of English Literature ..	3	3	M-S	McVH	200	Knight
3b-2	Survey of English Literature ..	3	2	M-S	McVH	230	Woodall
*6	The Essentials of Speech	3	3	M-S	Guig.	112	Sterrett
30-1	Business English	2	1	MTThF	McVH	203	Bergamo
30-2	Business English	2	2	MTThF	McVH	203	Black
30-3	Business English	2	3	MTThF	McVH	203	Bergamo
30-4	Business English	2	4	MTThF	McVH	203	Bergamo
30-5	Business English	2	5	MTThF	McVH	203	Black
30-6	Business English	2	3	MTThF	McVH	210	Black
32	Voice Development	3	2	M-S	Guig.	112	Briggs
*37	Stage Productions in School and Community	2	4	MTThF	Guig.	112	Briggs
38a	Oral Interpretation	3	5	M-S	Guig.	112	Sterrett
Courses open only to Upper Division and Graduate Students:							
102	Introduction to the Study of the English Language	3	2	M-S	McVH	210	Cutler

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ENGLISH—Continued							
104	Milton	3	3	M-S	McVH	206	Stroup
116	The Contemporary Drama	3	1	M-S	McVH	330	Farquhar
130b	Comparative Literature	3	4	M-S	McVH	204	Brady
143	Edgar Allan Poe	3	4	M-S	McVH	230	Farquhar
147	Age of Johnson	3	2	M-S	McVH	206	Cooke
150	Workshop in Speech Education June 20-July 20	6	8:00-10:30 2:00-4:30	M-F M-F	Guig.		Blyton
Courses open only to Graduate Students:							
216b	Seminar: Studies in American Literature before 1900	3	5	M-S	McVH	200	Knight
GEOGRAPHY							

J. R. Schwendeman, Head of Department, Social Sciences Building, 226.

UPPER DIVISION REQUIREMENTS: Junior and Senior Years.

Requirements in the Field of Concentration: Forty credits, including the major work, in advanced courses in the field of Social Studies and certain closely allied physical science fields.

Requirements for a Major. Prerequisites: Geography 1, 2, 3a-b, or 10. **Requirements:** A minimum of 18 credits of advanced work in Geography varied according to the curriculum elected by the student, but including at least three credits in Geography 132a-d.

Note: Only the following sequences will satisfy the lower division requirements in the social studies: History or Political Science 8a, b or 10a, b; Sociology, Geography or Anthropology 3a and Sociology or Geography 3b.

LOWER DIVISION REQUIREMENTS—See Page 21.

*3a ₁	Societies Around the World ...	3	1	M-S	SS	231	Field
*3a ₂	Societies Around the World ...	3	2	M-S	SS	231	Field
*3b	Societies Around the World ... (Geog. 3a, b same as Anth 3a and Soc. 3a, b)	3	3	M-S	SS	203	Field
*2	Regional Geography of The World	3	5	M-S	SS	229	
*10 ₁	Economic Geography Survey ...	3	3	M-S	SS	229	
Courses open only to Upper Division and Graduate Students:							
101	Geography of Kentucky	2	4	M-Th	SS	229	
c132a-d	Independent Work in Geography (Materials and Methods in Teaching Geography	4 ea.	Arranged	M-S	SS	228	Tuthill
(C132a-b will be conducted as a workshop in the teaching of Geography under the direction of Dr. R. L. Tuthill. A schedule of lectures, discussions and demonstrations will be arranged for the second four weeks of summer school, July 18 through Aug. 9. Upon the successful completion of this four week workshop the student will be given credit for four semester hours. The Geography Department will be glad to furnish more information upon request of those interested.)							
133b	Special Problems	1		By Appt.	SS	229	
(Additional credit in Geography 101)							

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
GEOGRAPHY—Cont.							
132a-d	Independent Work in Geog. ...	3 ea.		By Appt.	SS	226	Staff
130	Regional Field Observation ...	3	Tour of	Mexico			Schwendeman
<p>(This regional field study group will leave for Mexico, Friday morning June 4th and will return Sunday, June 25th. Credit will be based upon preliminary reading, fieldwork, and written report. All expense cost of the tour will be about \$275.00. This does not include the Registration fee for credit. A special folder will be sent upon request by writing to the Geography Department.)</p>							
GEOLOGY							

A. C. McFarlan, Head of Department, Miller Hall, 209.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years.

Requirements in the Field of Concentration: Forty credits in the field of Physical and Biological Science, including the major work, in courses not open to freshmen.

Requirements for a Major: Geology 10a, b; 30a, b; 101a, b; 106a, b; 107a, b; 123a, b; 118a or 118b and 124a,b. **Field work:** A summer field course, Geology 118a-d, is required of major students for graduation. Local field work is offered throughout the year.

LOWER DIVISION REQUIREMENTS—See Page 21.

*3	Elem. Geol.	3	1	M-S	MH	203	Brown
12a	Elem. Geol. for Engrs.	3	1	M-S	MH	203	Brown
Lab. Hours for 3 and 12a to be arranged.							
*23a	El. Field Work in Regional Geol.	6	Field camp in Colorado June 15-August 8				McFarlan, Nelson and Stokely
*50a	Outlines of Geology	3	2	M-S	MH	203	Hamilton
*50b	Outlines of Geology	3	3	M-S	MH	203	Brown
*53	Physiography of N. America ..	3	4	M-S	MH	203	Hamilton
Courses open only to Upper Division and Graduate Students:							
118a-d	Field Work in Regional Geol. ...	8	Field camp in Colorado June 15-August 8				McFarlan, Nelson and Stokely
c118a-d	Field Work in Regional Geol. ...	6	Field camp in Colorado June 15-August 8				McFarlan, Nelson and Stokely
GERMAN LANGUAGE AND LITERATURE							

A. E. Bigge, Head of Department, Miller Hall, 303-A.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years.

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

Requirements for a Major. Prerequisites: Junior standing, 1a, 1b, 2a, 2b. **Required:** A minimum of 18 credits of work, independent of junior and senior tutorial courses. Majors must also pass a final comprehensive examination.

Note: No credit will be given for German 1a until German 1b has been completed. The student who presents one unit of high school foreign language will be permitted to enroll in first year work for full credit. The student who presents two units of high school foreign language will be permitted to enroll in first year work, but will receive credit only if he makes at least a B standing in this course.

LOWER DIVISION REQUIREMENTS—See Page 21.

*1a-1	Elementary German	3	2	M-S	MH	302	Whitaker
*1a-2	Elementary German	3	4	M-S	MH	310	Hegeman
*1b	Simple Reading and Pronunciation	3	2	M-S	MH	310	v. d. Heydt

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	GERMAN LANG. & LIT.—Cont.						
2a	(Prereq. 1a, or 1 H.S. unit) ... Translation and Rapid Reading (Prereq. 1b)	3	3	M-S	MH	302	Bigge
10a	Elementary Conversation and .. Composition (Prereq. 1b, or approval of Dept.)	3	5	M-S	MH	310	Ubben
20b	Readings in Medical German .. (Prereq. 20a)	3	2	M-S	MH	306b	Ubben
21b	Readings in Chemical German .. (Prereq. 21a)	3	3	M-S	MH	310	v. d. Heydt
52	Introduction to Classical	3	5	M-S	MH	302	Bigge
	and 19th Century Literature (Prereq. 2b)						
	Courses open only to Upper Division and Graduate Students:						
106a	Advanced Scientific German .. (Prereq. 20b or 21b or permis- sion of Dept.)	3		By Appt.	MH	314a	Whitaker
114	Proseminar in Schiller	2		By Appt.	MH	314c	Hegeman
	(Prereq. 6 semesters of German)						
	HISTORY						

Thomas D. Clark, Head of Department, Frazee Hall, 203.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years.

Requirements in the Field of Concentration: Forty semester hours of advanced work in the field of social or humanistic studies, during the Junior and Senior years, including the major work.

Requirements for a Major. Prerequisites: History 2a and 2b, or 4a and 4b, or 8a and 8b; 5a and 5b, or 10a and 10b. **Required:** A minimum of 18 semester hours of advanced courses in History plus the Senior Seminar.

Note: **Only** the following sequences will satisfy the lower division requirements in the social studies: History or Political Science 8a, b or 10a, b; Sociology, Geography or Anthropology 3a and Sociology or Geography 3b. Pol. Sci. 51 will not count on lower division requirement.

LOWER DIVISION REQUIREMENTS—See Page 21.

*4a	Modern Europe to the Fr. Rev. .	3	1	M-S	FH	204	Lunde
*4b	Modern Europe since the Fr. Rev.	3	3	M-S	FH	204	Lunde
*5a-1	History of the U. S. through 1865	3	1	M-S	FH	202	Taylor
*5a-2	History of the U. S. through 1865	3	2	M-S	FH	201	Gilliam
*5b-1	History of the U. S. since 1865	3	3	M-S	FH	202	Taylor
*5b-2	History of the U. S. since 1865	3	4	M-S	FH	201	Gilliam
	Courses open only to Upper Division and Graduate Students:						
100b	The Diplomacy and Foreign Policy of the U. S. since 1898	3	1	M-S	FH	301	Hopkins

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
HISTORY—Cont.							
119a	The French Rev. and Napoleon	3	2	M-S	FH	204	McCloy
120	Europe in the 20th Century ...	3	4	M-S	FH	202	Kraehe
124a	Social and Cultural History of the U. S. to 1865	3	2	M-S	FH	202	England
135b	The British Empire since 1860 .	3	1	M-S	FH	201	Cone
146	Recent History of the U. S., 1877-1901	3	2	M-S	FH	302	Wall
147	Recent History of the U. S.	3	3	M-S	FH	201	Wall
185b	Cultural Hist. of 18th Century Europe	3	6	M-S	FH	204	McCloy
Courses Open Only to Graduate Students:							
C247a	Seminar in U. S. History	2	6, 7	TTh	FH	202	Kirwan
C300a	Seminar in American Foreign Policy	2	7, 8	TTh	FH	201	Hopkins
C320a	Origins of World War I	2	6, 7	MW	FH	202	Cone
C331	Seminar in Modern British History	2	7, 8	MW	FH	201	Kraehe
HOME ECONOMICS							

A student in the College of Arts and Sciences may elect toward the A.B. and B.S. degree a total of 30 credits from other colleges of the University.

HUMANITIES

To satisfy the lower division requirements in the Humanities, students in the College of Arts and Sciences must earn four credits in literature and philosophy (Humanities A, B, or C) and two credits in Art or Music (Humanities D or E). These two courses should be taken during the sophomore year, and two courses from A, B, or C may not be taken simultaneously.

A-1	Classicism: Graeco-Roman; Modern European	2	3	MTThF	MH	309	Eilerton
A-2	Classicism: Graeco-Roman; Modern European	2	2	MTThF	FH	205	DeBoor
B-1	The Renaissance: Romanticism	2	2	MTThF	McVH	204	Hegeman
B-2	The Renaissance: Romanticism	2	4	MTThF	MH	302	Vonder Heydt
C-1	Realism and Naturalism: The Contemporary	2	1	MTThF	McVH	204	Hatch
C-2	Realism and Naturalism: The Contemporary	2	5	MTThF	McVH	204	Brady
D-1	Art: The Renaissance to the Present	2	4	MTThF	FB	211	Green
D-2	Art: The Renaissance to the Present	2	6	MTThF	FB	211	Amyx
E-1	Music: The Renaissance to the Present	2	4	MTThF	MA	105	Prindl
E-2	Music: The Renaissance to the Present	2	5	MTThF	MA	105	Prindl
HYGIENE AND PUBLIC HEALTH							

J. S. Chambers, Head of Department, Health Building 105.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	HYGIENE AND PUBLIC HEALTH Continued						

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits in the field of Biological Sciences and Social Studies (Sociology, Social Work, Psychology, Political Science), including the major work, in the courses not open to freshmen.

Requirements for a Major. Prerequisites: 12 credits in the Biological Sciences.

Required: A minimum of 15 credits of advanced work in Hygiene and Public Health.

LOWER DIVISION REQUIREMENTS—See Page 21.

*9	Fundamentals of Health	2	3	MTh	FB	B3	Hamilton
	Courses open only to Upper Division and Graduate Students:						
100a	Public Health	3	4	M-S	FB	B3	Hamilton
100b	Public Health	3	3	M-S	FB	B8	Heinz
110	Health Education	3	5	M-S	FB	B3	Heinz
111a-d	Independent Work in Hygiene and Public Health	3 ea.		By Appt.	HB	104	Heinz
120a	Mental Hygiene	3	4	M-S	NH	112	Bills
	JOURNALISM						

Niel Plummer, Head of Department, McVey Hall, 55

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours in courses not open to Freshmen, including the major work, in either the field of Social Studies or that of Literature, Philosophy, and the Arts, during Junior and Senior years.

Requirements for a Major. Prerequisite: Journalism 2, 21, and 22.

Required: Journalism 100a, b, 101, 105, 106, 107, 108, 109, 123, and 127.

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

Comprehensive Examinations: Majors and candidates for the degree in Journalism are required to pass a final comprehensive examination at the end of Senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

10	Survey of Journalism	3	4	M-S	McVH	54	McLaughlin
21	Etymology	3	4	M-S	McVH	53	Plummer
22	Principles of News Writing ...	3	3	M-S	McVH	53	Moore
	Courses open only to Upper Division and Graduate Students:						
100b	News Reporting	3	3	M-S	McVH	66	McCauley
102	Community Journalism	3	4	M-S	McVH	66	Portmann
105	Law of the Press	2	3	MTWTh	McVH		Plummer
106	Influence of the Newspaper ...	3	5	M-S	McVH	54	Moore
111	Verbal Criticism	3	2	M-S	McVH	53	McCauley
112	Critical Writing for the Press .	3	3	M-S	McVH	54	McLaughlin
114	Newspaper Advertising and Promotion	3	5	M-S	McVH	66	Portmann

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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LAW

A student in the College of Arts and Sciences may elect toward the A.B. degree a total of 30 credits from other colleges of the University. However, election of law courses is restricted.

A 1.3 standing is required to enter the College of Law; a standing of 1.0 is required on the professional work on the combined Arts-Law degree.

For the combined Arts-Law course see the University catalog for requirements. A student must have a total of 128 credits for the A.B. degree.

LIBRARY SCIENCE

David Otis Kelley, Head of Department, King Library, 416.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Prerequisite: Junior or senior standing, with average scholastic record during the first two college years. Prospective majors should consult with the Head of the Department regarding courses to be taken during the first two years of college. A broad academic program is recommended. **Required:** A minimum of 18 semester hours.

LOWER DIVISION REQUIREMENTS—See Page 21.

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
Courses open only to Upper Division and Graduate Students:							
101a-d	Independent Work	1 ea.		By Appt.	KL	313	Staff
110	The Library in the School	3	3	M-S			
121	Introduction to Library Work . .	3	3	M-S	KL	314	Kelley
127a	Books and Related Materials for Children and Young People. . .	3	5	M-S	KL	314	Wofford
133b	Reference and Bibliography						
	Prerequisite: 133a	2	8	MTThF	KL	314	Kelley
139	Library Practice	3		By arrangement	KL	313	Roser
145	Organization of Library Materials	3	9	M-S	KL	314	
152	Book Selection	3	4	M-S	KL	314	Martin
229	Advanced Cataloging and Classification	4	2	M-S	KL	314	Wofford
254	Seminar	2	7	M-F	KL	314	Martin

MATHEMATICS AND ASTRONOMY

H. H. Downing, Head of Department, McVey Hall, 121.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Physical Science during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Math. and Ast. 2, 5 or 17, 18, 19, 20a, 20b. **Required:** A minimum of 18 credits of advanced work in mathematics, including Math. and Ast. 25, 26, 27, and one course in Applications.

Requirements for Graduate Work: Graduate students must have had at least 12 credits of mathematics beyond integral calculus before counting work toward an advanced degree.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	MATH. & ASTR.—Continued Mathematics—Cont.						
LOWER DIVISION REQUIREMENTS—See Page 21.							
*1	Basic Mathematics	3	5	M-S	McVH	109	Royster
	(Prerequisite for 2: 1 unit high school plane geometry.)						
*2-1	Solid Geometry	3	2	M-S	McVH	103	Ripy
*2-2	Solid Geometry	3	5	M-S	McVH	104	Church
	(Prerequisite for 5: M & A 1 or score of F or G on Univ. Placement Test.)						
*5-1	College Algebra	5	1, 2	M-F	McVH	328	Cooper
*5-2	College Algebra	5	4, 5	M-F	McVH	328	Foster
	(Prerequisite for 15: M & A 5 or 17.)						
*15	Mathematics of Finance	3	3	M-S	McVH	129	Rose
	(Prerequisites for 17: 1 unit high school algebra and score of E on Univ. Placement Test.)						
*17-1	College Algebra	3	1	M-S	McVH	106	Daly
*17-2	College Algebra	3	2	M-S	McVH	129	Snider
*17-3	College Algebra	3	3	M-S	McVH	328	Foster and Cooper
	(Prerequisites for 18: 1 unit high school plane geometry, and M & A 5 or score E on University placement test.)						
*18-1	Plane Trigonometry	3	1	M-S	McVH	100	Ripy
*18-2	Plane Trigonometry	3	2	M-S	McVH	107	Dyer
*18-3	Plane Trigonometry	3	3	M-S	McVH	109	Leser and Church
	(Prerequisites for 19: M & A 5 or 17 and 18.)						
*19-1	Plane Analytic Geometry	3	1	M-S	McVH	129	Rose
*19-2	Plane Analytic Geometry	3	3	M-S	McVH	106	Daly
*19-3	Plane Analytic Geometry	3	5	M-S	McVH	107	Dyer
	(Prerequisite for 20a: M & A 2 and 19.)						
20a-1	Differential Calculus	4	1	M-S	McVH	104	Atkins
			4	T-F			
20a-2	Differential Calculus	4	1	T-F	McVH	109	Leser
			4	M-S			
20a-3	Differential Calculus	4	2	M-S	McVH	104	Church and Atkins
			4	M-W			
	(Prerequisite for 20b: M & A 20a.)						
20b-1	Integral Calculus	4	1	M-S	McVH	103	Rohde
			4	MTh			
20b-2	Integral Calculus	4	1	MTh	McVH	107	Brown
	Courses open only to Upper Division and Graduate Students:						
	(Prerequisite for 25 and C105a: M & A 20b.)						
25	Intermediate Calculus	3	2	M-S	McVH	109	Royster
C105a-1	Differential Equations	2	5	T-F	McVH	103	Rohde
C105a-2	Differential Equations	2	6	T-F	McVH	107	Brown
	(Consult the instructor for prerequisites for the following courses.)						
102	Vector Analysis	3	6	M-S	McVH	106	Pulliam and Downing
110a-f	Independent Work in Math.	3 ea.		By Appt.			Senior Staff
118	Solid Anal. Geometry	3	2	M-S	McVH	100	Pence and South
120	Mathematical Statistics	3	5	M-S	McVH	106	South
127b	Intro. to Higher Geometry	3	3	M-S	McVH	100	Pence
	Courses open only to Graduate Students:						
203a-d	Thesis	3 ea.		By Appt.			Senior Staff
205	Differential Geometry	3	7	M-F	McVH	104	Downing
209a	Functions of a Complex Variable	3	4	M-S	McVH	106	Pulliam

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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MUSIC

Edwin E. Stein, Head of Department, Music Annex, 620 S. Limestone.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours of advanced work in the field of Literature, Philosophy, and the Arts during the Junior and Senior years including the major work.

Requirements for a Major. Prerequisites: Junior standing: Humanities E: Music 12a, b; 33a, b; Applied Music 12 semester hours. **Required:** A minimum of 15 semester hours of advanced work in Applied Music and music courses 19a, b; 34a, b; and 114a or 115 (depending upon instrumental or choral major). Other courses such as Music 4a, b; 7, 8, 9; 13a, b; or 26 may be elected. Music 42 and a comprehensive examination are required of all music majors in the senior year. All Music majors are required to take part in either the Orchestra or Glee Club for which participation they receive credit.

Fees for Applied Music: All Applied Music (piano, voice, organ, instrumental) requires a fee of \$25 for one 45 minute lesson per week. Practice room fee is \$6 per summer term additionally. Organ practice fees are \$12.50 per term for seven and a half hours a week practice; \$25 for 15 hours a week practice. Organ practice may be arranged for on a semester basis only, not by the hour. Rental of instruments for use in Music 7, 8, 9 is \$3.00 per summer term per course. Rental of orchestral or band instruments for other instruction is \$6.00 per term, payable personally by both veterans and non-veterans.

NOTE: Enrollment fee of non-University students (in addition to above fees) is \$15.00 per summer term.

LOWER DIVISION REQUIREMENTS—See Page 21.

*4b	Public School Music (Preq. 4a)	2	4	M-Th	MA	208	Lewis
*12b	Counterpoint (Preq. 12a)	2	By Appt.		MA	205	Hornowski
33a	Elem. Harmony, Sightsinging and Dictation	4	4, 5	M-Th	MA	203	Kinney
*39a-h	Glee Club (for men and women) 1 ea.	8		TTh	MA	208	Kiviniemi
Note: Admittance to Glee Club is through the Director.							
*15a-h	Applied Music Applied Music—Piano	2 ea.	By Appt.		**	1	Montgomery
					**	2	Morgan
					**	10	Cullis
*C15a-h	Applied Music—Piano	1 ea.	By Appt.		**	1	Montgomery
					**	2	Morgan
					**	10	Cullis
*16a-h	Applied Music—Strings	2 ea.	By Appt.		MA	205	Hornowski
					**	6	Kinney
*C16a-h	Applied Music—Strings	1 ea.	By Appt.		MA	205	Hornowski
					**	6	Kinney
*17a-h	Applied Music—Voice	2 ea.	By Appt.		†	1	Pinnell
						3	Kiviniemi
*C17a-h	Applied Music—Voice	1 ea.	By Appt.		†	1	Pinnell
						3	Kiviniemi
*18a-h	Applied Music—Organ	2 ea.	By Appt.		MeH	Aud	Cullis
*C18a-h	Applied Music—Organ	1 ea.	By Appt.		MeH	Aud	Cullis
*31a-h	Applied Music—Woodwind Instruments	2 ea.	By Appt.		MA	207	Adams
*C31a-h	Applied Music—Woodwind Instruments	1 ea.	By Appt.		MA	207	Adams
*32a-h	Applied Music—Brass and Percussion Instruments	2 ea.	By Appt.		MA	206	Prindl

* Open to Freshmen.

** 628 S. Line

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	MUSIC—Continued Applied Music—Cont.						
*C32a-h	Applied Music—Brass and Percussion Instruments	1 ea.		By Appt.	MA	206	Prindl
	Courses open only to Upper Division and Graduate Students:						
19a	History of Music	3	3	M-S	MA	105	Stein
34a	Adv. Harmony, Sightsinging and Dictation	4	2, 3	M-Th	MA	203	Kinney
112	Research Problems in Music . . .	2	8	M-Th	MA	105	Lewis and Others
114a	Orchestration	2	4	M-Th	MA	205	Hornowski
114b	Instrumental Conducting and Score Reading	2	7	M-Th	MA	205	Hornowski
115	Choral Methods and Conducting	2	5	M-Th	MA	208	Lewis
	Courses open only to Graduate Students:						
215a, b	Applied Music—Piano	2 ea.		By Appt.	**	1	Montgomery
						2	Morgan
C215a, b	Applied Music—Piano	1 ea.		By Appt.	**	1	Montgomery
						2	Morgan
217a, b	Applied Music—Voice	2 ea.		By Appt.	†	1	Pinnell
						3	Kiviniemi
C217a, b	Applied Music—Voice	1 ea.		By Appt.	†	1	Pinnell
						3	Kiviniemi
210	Baroque Music	2		By Appt.	MA	105	Stein
	PHILOSOPHY						

John Kuiper, Head of Department, Frazee Hall, 103.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits in courses not open to freshmen, which may be elected in either (1) The field of Literature, Philosophy and the Arts, or (2) in the field of Social Studies.

Requirements for a Major. Prerequisites: Six credits in Philosophy including Philosophy 21. **Required:** A minimum of 15 credits in Philosophy, Philosophy 35a, b, and a comprehensive examination in the Senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

21	Introduction to Philosophy . . .	3	3	M-S	FH	205	Melzer
31	Elementary Logic	3	5	M-S	FH	205	Melzer
35a-d	Tutorial Work in Philosophy . .	1 ea.		By Appt.	FH	103	DeBoer
	Courses open only to Upper Division and Graduate Students:						
109a-d	Independent Work	3 ea.		By Appt.	FH	103	Staff
120	Great Religions of the World . .	3	4	M-S	FH	205	DeBoer
220a-d	Research in Philosophy	3 ea.		By Appt.	FH	103	Staff
	PHYSICAL EDUCATION						

Don Cash Seaton, Head of Department, Alumni Gymnasium.

SERVICE (REQUIRED) COURSES

LOWER DIVISION REQUIREMENTS—See Page 21.

* Open to Freshmen.

** 628 Lime

† 624 S. Lime

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
PHYSICAL EDUCATION— Continued							
Undergraduate students who have not completed the physical education requirements must enroll in one of the following courses:							
1. Orientation in Physical Education (P. E. 1)—for new students.							
2. Adapted Physical Education (P. E. 2)—for students assigned to corrective work by the Health Department and students who failed the physical fitness test in P. E. 1.							
3. Sports Classes for students who passed the physical fitness test in P. E. 1 or P. E. 2. Students must enroll in a sports class listed for men, women, or one for men and women.							
*1	Orientation (40) (Men)	0	1, 2	MWF	MG		Staff
*2	Adapted Sports (20)	0	3, 4	MWF	MG		Staff
The following courses (4-25) are open to all students for recreation.							
*4	Archery (Men & Women) (30) ..	0	7, 8	MWF	MG		Staff
*8	Bowling (Men & Women) (50) ..	0	8, 9	MWF	MG		Staff
*10	Folk Dancing (Men & Women) (60)	0	3:00-5:30	MW	WG		Staff
*11	Golf (Men & Women) (20)	0	7, 8, 9	TTh	MG		Staff
*24	Tennis (Men & Women) (32) ..	0	3, 4	MWF	MG		Staff
The following two activities are open to all students and faculty for recreation.							
	Social Dancing	0	4:30-6:00	TTh	WG		Staff
*28	Volleyball	0	6, 7	MWF	MG		Staff

PROFESSIONAL COURSES

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Prerequisites: For men and women—Sociology 1; Anatomy and Physiology 4 and 5; Zoology 1; Physical Education 40, 51, 80. For men—Physical Education 41, 42, 43, 45, 48, 56, 70. For women—Hygiene 7; Physical Education 46, 47, 49, 53, 57, 90.

REQUIRED For men and women—Home Economics 101; Physical Education 61, 62a, 62b, 90, 140, 143, 165, 172, 180. For women—Physical Education 190.

*43	Track & Field Coaching Funda.	2	4, 5	M-Th	MG		Seaton
*44	Base- & Softball Coaching Funda.	3	4, 5	M-S	MG		Johnson
*48	Individual Sports for Men	2	7, 8	M-Th	MG		Johnson
*51	Co-Recreational Activities	3	1, 2	M-S	MG		Karsner
*60	P. E. in the Elementary School.	3	3	M-S	MG		Shaw
Courses open only to Upper Division and Graduate Students:							
140	Organization and Administration of P. E.	3	1	M-S	Guig	8	Clay
141	Coaching Advanced Basketball. (One Week Only)	2	8:00-12:00 1:00-5:00	M-S	MG		Rupp
142	Coaching Advanced Football ... (One Week Only)	2	8:00-12:00 1:00-5:00	M-S	MG		Bryant and McCubbin
143	History and Principles of P. E..	3	4	M-S	Guig	8	Carr
144	P. E. in the Secondary School ..	3	2	M-S	Guig	8	Clay
158a	Sports Officiating for Men	1	6	M-Th	Guig	8	Johnson
180**	Administration and Organization of Recreation	3	9	M-S	**		Kauffman
181**	Camping in Education	2	8	M-Th	**		Kauffman
190	History and Survey of the Dance	3	4	M-S	WG		Shaw

* Open to Freshmen.

** Courses at Camp Daniel Boone.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	PHYSICAL EDUCATION— Continued						
	PROFESSIONAL COURSES— Cont.						
	Courses open only to Graduate Students:						
240	Graduate Seminar in P. E.	2	5	M-S	WG		Carr
242	Problems Course in P. E.	3	3	M-S	MG		Seaton
280**	Problems in Recreation	2	10	M-Th	**		Kauffman
	PHYSICS						

Wm. S. Webb, Head of Department, Pence Hall, 101.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Prerequisites: Physics 3a, 3b, Mathematics 17, 18, and 19.
Required: Mathematics 20a, 20b; Physics 125c, and a minimum of 16 credits of advanced work in Physics; and a comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

1a	General Elem. Phys., Lect. Rec. Lab.	5	1, 2	M-S	Pence	303	Koppius and Pauls
1b	General Elem. Phys., Lect. Rec. Lab.	5	3, 4	M-S	Pence	303	Koppius and Cohen
3a-1	Gen. Col. Physics, Lect. and Rec.	6	3 2	TF M-S	Pence	208	Koppius and Ritchie
3a-2	Gen. Col. Physics, Lect. and Rec.	6	3 2	M-S TF	Pence	206	Koppius and Warner
3a-3	Gen. Col. Physics, Lect. and Rec.	6	3 4	M-S TF	Pence	309	Koppius and
3b-1	Gen. Col. Physics, Lect. and Rec.	6	2 3	MTh M-S	Pence	208	Koppius and Cochran
3b-2	Gen. Col. Physics, Lect. and Rec.	6	2 3	M-S MTh	Pence	303	Koppius and Shropshire
	Courses open only to Upper Division and Graduate Students:						
108	Light	3	4	M-S	Pence	103	Hanau
120	X-Ray Technique	2	3	M-S	Pence	205	Crawley
125a-d	Indep. Work in Physics	3 ea.		By Appt.			Staff
134	Exp. Phys.: Vacuum Tubes	2	4, 5	MTThF	Pence	2	Crawley
155a	Fund. Atomic and Nuclear Physics	3	2	M-S	Pence	103	Pardue
	Courses open only to Graduate Students:						
213	Electromagnetic Theory	3	3	M-S	Pence	103	Hanau

*Courses open to Freshmen.

**Courses at Camp Daniel Boone.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	POLITICAL SCIENCE						

Amry Vandebosch, Head of Department, Social Sciences Bldg., 105.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies, during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Political Science 51a and 51b or Economics 1. **Required:** At least one course in each of four fields of Political Science, including one course in Constitutional Development and one in Political Theory; Political Science 190; minimum of 15 credits of advanced work in Political Science; and a comprehensive examination in the senior year.

Note: Only the following sequences will satisfy the lower division requirements in the social studies: History or Political Science 8a, b or 10a, b; Sociology, Geography or Anthropology 3a and Sociology or Geography 3b.

LOWER DIVISION REQUIREMENTS—See Page 21.

*51a1	American Government	3	1	M-S	SS	118	Bach
*51a2	American Government	3	2	M-S	SS	117	Rusch
*51a3	American Government	3	4	M-S	SS	118	Rusch
*51a4	American Government	3	3	M-S	SS	118	Stephenson
*51b1	American Government	3	5	M-S	SS	118	Stephenson
*51b2	American Government	3	3	M-S	SS	117	Bach
	Not Open to Freshmen						
80	State Government	3	2	M-S	SS	118	Reeves
	Courses Open Only To Upper Division And Graduate Students						
101	Latin American Relations	3	3	M-S	SS	120	Edelmann
†111	Current Public Affairs	2	2	M-S	SS	129	Vandebosch and others
†C111	Current Public Affairs	3	2	M-S	SS	129	Vandebosch and others
159a	American Constitutional Development	3	3	M-S	SS	131	Trimble
165	World Politics	3	5	M-S	SS	117	Edelmann
166	The United Nations	3	4	M-S	SS	120	Vandebosch
177a	Introduction to Public Administration	3	5	M-S	SS	120	Durisch
179	Political Leaders	3	4	M-S	SS	131	Shannon
	Courses open only to Graduate Students:						
206	Special Problems in Public Administration	3	By. Appt.	M-S	SS	115	Durisch
211	The Constitution and Civil Rights	3	By. Appt.	M-S	SS	115	Trimble
271	Seminar in Contemporary Political Theory	3	By. Appt.	M-S	SS	115	Shannon

† This course extends through the first four weeks of the summer session June 20 through July 16, and consists of a series of lectures and discussions on problems of world politics and cooperation. Credit varies—2 or 3 semester hours—depending upon the amount of outside work.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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PSYCHOLOGY

Frank A. Pattie, Head of Department, Neville Hall, 106.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements for a Major. Prerequisites: Psychology 1a and 1b and 8, 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 earned in courses in Psychology not open to freshmen. In addition students majoring in the Department must pass a comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

Note.—The student should assign one lecture-recitation section and one laboratory section for Psychology 1a or 1b.

*1a ₁	Introduction to Psychology, Lec.-Rec.	3	1	M-Th	MH	108	Pattie
*1a ₂	Introduction to Psychology, Lec.-Rec.	3	2	M-Th	MH	108	Meyers
*1a ₃	Introduction to Psychology, Lec.-Rec.	3	4	M-Th	MH	108	Meyers
*1a ₄	Introduction to Psychology, Lec.-Rec.	3	8	M-Th	MH	108	Meyers
*1a ₅	Introduction to Psychology, Lab.		1, 2	MW	NH	205	
*1a ₆	Introduction to Psychology, Lab.		3, 4	MW	NH	205	
*1a ₇	Introduction to Psychology, Lab.		3, 4	TTh	NH	205	
*1a ₈	Introduction to Psychology, Lab.		7, 8	MW	NH	205	
*1a ₉	Introduction to Psychology, Lab.		9, 10	MW	NH	205	
*1a ₁₀	Introduction to Psychology, Lab.		7, 8	TTh	NH	205	
*1b ₁	Introduction to Psychology, Lec.-Rec.	3	1	M-Th	MH	203	Calvin
*1b ₂	Introduction to Psychology, Lab.		7, 8	MW	NH	206	
7	Psychology of the Child (Prereq. Psy. 1a)	3	3	M-S	MH	108	Bills
8	Individual Differences (Prereq. Psy. 1a, 1b or equiv.)	3	8	M-F	NH	112	Newbury
Courses open only to Upper Division and Graduate Students:							
101	Practice in Testing: Intelligence Tests (Prereq. Psy. 8 or equiv.)	3	9, 10	M-F	NH	206	Skiff
105	Employment Psychology (Prereq. Psy. 8 or equiv.)	3	2	M-S	NH	112	Mellenbruch
106	Industrial Psychology (Prereq. Psy. 1a, 1b.)	3	3	M-S	NH	112	Mellenbruch
114	Abnormal Psychology (Prereq. Psy. 1a, 1b.)	3	1	M-S	NH	112	Humphreys
115	Genetic Psychology (Prereq. Psy. 1a, 1b.)	3	7	M-F	MH	108	Newbury

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
PSYCHOLOGY—Cont.							
120a-d	Independent Work in Psychology2-ea.			By Appt.	NH		Staff
with a standing of two in Psychology courses.)							
124	Mental Hygiene3 (Prereq. Psy. 1a, 1b.)	3	4	M-S	NH	112	Bills
130	Speech Correction: A Survey .. (Prereq.: 9 semester credits in Psy. or Educational Psy.) ..	3	7	M-F	NH	112	
131	Stuttering and its Correction .. (Prereq.: 9 semester credits in Psy. or Educational Psy.) ..	3	9	M-F	NH	112	
Courses open only to Graduate Students:							
203a-h	Problems in Psychology2-ea.			By Appt.	NH	106	Staff
210a-h	Research in Psychology3 ea.			By Appt.	NH	106	Staff
222	Systems of Psychology and their History3	3	5	M-S	NH	112	Pattie
230	Personality Theory3	3	3	M-S	NH	117	Humphreys
238	The Rorschach Test4 (Prereq. Psy. 219)	4	1, 2	M-Th	NH	202	Dimmick
431a-p	Special Field Practicum3-ea.			By Appt.	NH		Dimmick
RADIO ARTS							

Elmer G. Sulzer, Head of Department; McVey, Radio Studios.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Prerequisites: Radio Arts 1a, b. **Required:** Radio Arts 2a, 2b, 101, 102, 105, 106a, 106b, and 110; comprehensive examination.

LOWER DIVISION REQUIREMENTS—See Page 21.

*1a	Radio Today3	3	4	M-S	McVH	Rad	Sulzer
2a	Radio Announcing, Rec. & Lab. ..	2	7	M-F	McVH	Rad	Sauin
Courses open only to Upper Division and Graduate Students:							
106a	Radio Production2	2	5 (2 hrs. Lab. by appt.)	M-Th	McVH	Rad	Sulzer
ROMANCE LANGUAGES							

Hobart Ryland, Head of Department, Miller Hall, 301.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Literature, Philosophy, and the Arts during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Junior standing; in French: R. L. 1a-b, 2a-b, 4a-b or 5a-b, 3a-b or 8a-b; in Spanish: R. L. 1a-b or 4a-b, 5a-b, 7a-b, 10a-b-c. **Required:** A minimum of 17 credits of advanced work in Romance Languages: R. L. 80a, b. Comprehensive examination in senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ROMANCE LANGS.—Cont.							

Note.—No credit for first semester of a beginning language until second semester is completed. The student who presents one unit of high school foreign language will be permitted to enroll in first year work for full credit. The student who presents two units of high school foreign language will be permitted to enroll in first year work, but will receive credit only if he makes at least a B standing in this course.

*1a	Elementary French	3	2	M-S	MH	307	Schick
*1b	Elementary French	3	3	M-S	MH	307	Schick
*5a	Elementary Spanish	3	4	M-S	MH	307	Albro
*5b	Elementary Spanish	3	5	M-S	MH	307	Albro
2a	Intermediate French	3	2	M-S	MH	308	Walker
2b	Intermediate French	3	3	M-S	MH	308	Walker
7a	Intermediate Spanish	3	2	M-S	MH	309	Hernandez
7b	Intermediate Spanish	3	1	M-S	MH	309	Hernandez
3a, b	French Conversation and Comp	2-ea.	7, 8	TTh	MH	306b	Ryland
6c	French Novel and Drama	3	4	M-S	MH	306b	Eilertsen
80a, b	Tutorial Seminar	1-ea.		By Appt.	MH	306b	Eilertsen
Courses open only to Upper Division and Graduate Students:							
109a	French Lit. of 19th Century ...	3	5	M-S	MH	306b	Ryland
122a	Advanced Fr. Conversation ...	2-ea.	7, 8	TTh	MH	306b	Ryland
114a-h	Independent Work in R. L. ...	3-ea.		By Appt.			Staff

The following courses will be given at a special University Summer School in Puebla, Mexico.

7a, b	Intermediate Spanish	3-ea.	2	M-S	Puebla		
9c	Spanish Novel and Drama	3	3	M-S	Puebla		Server
10c	Spanish Conversation	3	4	M-S	Puebla		Server
35	Mexican Civilization	3	5	M-S	Puebla		Server
Courses open only to Upper Division and Graduate Students:							
102a	Advanced Spanish Grammar ..	3	2	M-S	Puebla		Server
114a-h	Independent Work	3-ea.		By Appt.			Server
SOCIAL WORK							

H. E. Wetzel, Head of the Department, McVey, 314.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty semester hours of advanced work in the field of Social Studies during the junior and senior years, including the major work in the department.

Requirements for a Major: Prerequisite Social Work 24. A basic minimum of twenty hours in Social Work including 100, 113, 116, 122, 130a, and 140a plus additional courses depending on the student's area of specialization, including specific courses in Sociology, Psychology, Hygiene, and rural Sociology. Tutorial and Comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

Courses open only to Upper Division and Graduate Students:							
105	Child Welfare Services	3	3	M-S	McVH	329	Wetzel
122	Field of Social Work	3	4	M-S	McVH	329	Rucker

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	SOCIAL WORK—Continued						
130a	Community Organization for Soc. Welfare	3	5	M-S	McVH	329	Rucker
C127b	Courses for Senior Majors Only: Tutorial Work in Social Work ..	2	(To be arranged)		McVH	329	Wetzel
C113	Introduction to Social Case Work	3	(To be arranged)		McVH	329	
	(Other students by Special permission)						
	SOCIOLOGY						

Irwin T. Sanders, Head of Department, Social Sciences Building, 206.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies during the junior and senior years, including the major work.

Requirements for a Major. Prerequisites: Sociology 3a and 3b, or equivalent.

Required: Minimum of 18 credits of advanced work in Sociology, including at least 3 credits in Theory and Methodology, 6 credits in one of the other subdivisions below, and Sociology 19a and b, and 20a and b. Comprehensive examination in senior year.

LOWER DIVISION REQUIREMENTS—See Page 21.

*2	Modern Social Problems	3	2	M-S	SS	202	Holmes
*3a-1†	Societies Around the World ...	3	4	M-S	SS	128	
*3a-2†	Societies Around the World ...	3	5	M-S	SS	128	Kennedy
*3b-1‡	Societies Around the World ...	3	2	M-S	SS	203	Ruggles
*3b-2‡	Societies Around the World ...	3	5	M-S	SS	203	
25	Collective Behavior	3	4	M-S	SS	202	Kennedy
40	The Community	3	1	M-S	SS	202	Given
	Courses open only to Upper Division and Graduate Students:						
19a-b	Junior Tutorial	1-ea.	7	TTh	SS	210	Sanders
20a-b	Senior Tutorial	1-ea.	7	MW	SS	210	Best
103	Criminology	3	2	M-S	SS	204	Best
109	The Family	3	4	M-S	SS	204	Ruggles
114a-d	Independent Work	1-ea.		By Appt.			Best
164	The Balkans: The Study of a Peasant Society	3	3	M-S	SS	210	Sanders
	ZOOLOGY						

W. R. Allen, Head of Department, Funkhouser Biological Sciences Bldg. B6.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Biological Sciences, during the Junior and Senior years, including the major.

Requirements for a Major. Prerequisites: Junior standing; Zoology 1. **Required:** Zoology 7a, b or 157a, b; Zoology 106; Zoology 108a, b; Zoology 114a, b; a minimum of 15 credits work above Zoology 1; passing a comprehensive examination before graduation.

* Open to Freshmen.

† Same as Anth. 3a and Geog. 3a

‡ Same as Geog. 3b. 3a not prerequisite to 3b.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ZOOLOGY—Continued							
<p>Courses Recommended for Special Curricula: Medical Sciences, 1, 7b, 101a, b, 105, 106, 115; Teacher Training, 1, 7a, b, 102, 103a, b, 108a, b, 109; Pre-Conservation Training, 1, 30, 102, 103a, b, 105, 109, 115.</p>							
LOWER DIVISION REQUIREMENTS—See Page 21.							
*11	Principles of Animal Biology, Lec.	4	{ 1	M-Th	FB	200	Muller
*12	Principles of Animal Biology, Lab.			2, 3			M-Th
7a ₁	Comparative Anatomy (Invertebrate), Lec.	4	{ 2	M-Th	FB	B8	Neel
7a ₂	Comparative Anatomy (Invertebrate), Lab.			3, 4			M-Th
Courses open only to Upper Division and Graduate Students:							
105 ₁	Parasitology, Lec.	3	{ 1	TTH	FB	B3	Edney
105 ₂	Parasitology, Lab.			7, 10			TTh
106 ₁	Embryology, Lec.	4	{ 2, 3	MW	FB	125	Brauer
106 ₂	Embryology, Lab.			2, 3			TThFS
108a	Principles of Zoology (Evolution)	2	5	MTThF	FB	B8	Allen
110a-f	Independent Work	3-ea.		By Appt.			Staff
157a ₁	Invertebrate Anatomy, Lec. ...	4	{	By Appt.			Neel
157a ₂	Invertebrate Anatomy, Lab. ...						
166	Physiology of Development ...	2	4	M-Th	FB	125	Brauer
Course open only to Graduate Students:							
210a-c	Problems in Zoology	3-ea.		By Appt.			Staff

Prerequisites: Zoology 1 open to all students; Zoology 108a open to all upper division students without prerequisites; a year or more in Zoology for 110a-d; Zoology 1 for other courses.

* Open to Freshmen.

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
AGRICULTURAL ENTOMOLOGY							
Courses open only to Upper Division and Graduate Students:							
103	Economic Entomology: Fruit and Garden Insects	3	3	M-S	Agr	205	Townsend
104	Economic Entomology: Farm Crop Insects and Animal Parasites	3	5	M-S	Agr	205	Townsend
AGRONOMY							
1-1	Elementary Farm Crops, Lec. . .	3	5	MTThS	Agr	304	Phillippe
1-2	Elementary Farm Crops, Lab. . .		5, 6	WF	Agr	304	Phillippe
12-1	Soil Conservation, Lec.	3	4	MTWTh	Agr	301	Survant
12-2	Soil Conservation, Lab.		7, 8	MW	Agr	304	Survant
12-3	Soil Conservation, Lab.		8, 9	TTh	Agr	304	Survant
Following courses open only to Upper Division and Graduate Students:							
102	Field Crop Ecology	3	1	M-S	Agr	1	Phillippe
103	Weeds	2	3	MTWTh	Agr	1	Phillippe
104	Advanced Crops: Forage Crops	3	2	M-S	Agr	205	Fergus
112a, b	Special Problems in Soils	3		By Appt.			Karraker
Courses open only to Graduate Students:							
204a, b	Special Problems in Production of Forage Crops	3		By Appt.			Fergus
212a-d	Research in Soils	3		By Appt.			Karraker
ANIMAL INDUSTRY							
1	Farm Livestock Production ..	3	3, 4	MTWTh	SP 101	107	Barnhart
2	Livestock Judging	3	7, 8, 9	TWThF	SP	107	Johnson
61 or 161	Genetics	3	2	M-S	D	113	Steele
62 or 162	Genetics Laboratory	1	8, 9	TTh	D	225	Steele
81	Principles of Animal Nutrition	3	7	MTWThF	SP	101	Good
Courses open only to Upper Division and Graduate Students:							
103	Work Stock Production	3	2, 3, 4, 5	M-S	SP	106	
109a-c	Special Problems in Animal Husbandry	3		By Appt.			Garrigus, Wilford
129a-c	Special Problems in Dairying .	3		By Appt.			Seath, and
149a-c	Special Problems in Poultry ..	3		By Appt.			Morrison
169a-c	Special Problems in Genetics ..	3		By Appt.			Insko, Wightman and Steele
Courses open only to Graduate Students:							
289a-c	Special Problems in Animal Nutrition	3		By Appt.			Forbes

COLLEGE OF AGRICULTURE AND HOME ECONOMICS—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
INTERIM COURSES							
(Offered between second semester and summer session. Registration for these courses separate from registration for the summer session.)							
27 or 127	Travel Course in Dairying	3		By Appt.			Seath Wightman
46 or 146	Travel Course in Poultry	3		By Appt.			
ANIMAL PATHOLOGY							
51	Animal Hygiene (June 20 to July 9)	3	2, 3, 4, 5	M-S	AP	201	Dimock
FARM ECONOMICS							
1	Agricultural Economics Following course open only to Upper Division and Graduate Students:	3	4	M-S	AP	112	Bradford
110	Farm Management Following course open only to Graduate Students:	3	2	M-S	AP	112	Bradford
203	Cost, Price and Production Relationships in Agriculture	3		By Appt.	AP	112	Johnson
FARM ENGINEERING							
3-1	Farm Struct. Engr.	3	6, 7	M to F	AE	201	Brooks
3-2	Farm Structural Engineering (July 28 to August 13)	3	2, 3, 4, 5	M-S	AE	201	Brooks
4-1	Farm Shop	3	8, 9	MTWTh	AE	106	Young
4-2	Farm Shop (July 11-27)	3	2, 3, 4, 5	M-S	AE	106	Young
FORESTRY							
2	Farm Forestry (July 28 to August 13)	3	2, 3, 4, 5	M-S	Agr	303	Davenport
HOME ECONOMICS							
5-1	Foods, Lecture	4	1	MTThF	HE	303	Barkley
5-2	Foods, Laboratory		2, 3	MTThF	HE	200	Barkley
6	Foods	3	4, 5, 6	MTWTh	HE	201	Barkley
26	Clothing Selection and Costume Design	3	4, 5	M to F	HE	300, 303	Seeds
The following courses open only to Upper Division and Graduate Students:							
101	Principles of Nutrition (H E 101 not open to home economics majors)	3	5	M-S	HE	1	Erikson
102-1	Dietetics, Lecture	3	7	MWF	HE	204	Thurman
102-2	Dietetics, Laboratory	3	7, 8	TTh	HE	204	Thurman
105a	Experimental Cookery	3	1, 2	M to F	HE	205	Thurman
112	Nutrition in Disease	4	1, 2	M-S	HE	1, 102	Erikson
114	Food Preservation	3	2, 3, 4	MTWTh	HE	204	Helton
125	Advanced Textiles	2	7	MWF	HE	302	Guenther

COLLEGE OF AGRICULTURE AND HOME ECONOMICS—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
HOME ECONOMICS—Cont.							
127	Advanced Clothing	3	3, 4	M to F	HE	307	Guenther
129-1	Interior Decoration, Lecture ..	3	1, 2	MW	HE	302	Seeds
129-2	Interior Decoration, Laboratory	2		TTh			
130	Interior Decoration Projects ..	2	7, 8	MTWTh	HE	305	Seeds
134-1	Economics of Clothing, Lecture	2	5	MW	HE	308	Guenther
134-2	Economics of Clothing, Laboratory		5, 6	TTh	HE	308	Guenther
140-1	The School Lunch, Lecture	3	5	MW	HE	105	Helton
140-2	The School Lunch, Laboratory		5, 6	TTh	HE	105	Helton
142a	Institution Administration	2	By Appt.				Helton
154	Family Living	4	3, 4	MTWTh	HE	9	Mumford
155	The Child and His Clothing ..	3	7, 8	MTWTh	HE	9	Mumford
156	Play and Play Materials	2	5	M-S	HE	9	Bentley
157	Infant Development	2	1	MTWTh	HE	9	Bentley
159a	Special Problems in Child Development and Family Living	2	By Appt.				Bentley
161	Consumer Problems	3	8	M to F	HE	105	Wilmore
162a	Home Management and Family Relationships, Lec.	2	3	MTWTh	HE	105	Wilmore
162b	Home Management and Family Relationships, Lab.	3	By Appt.		Agr	202,	Wilmore
HORTICULTURE							
Course open only to Upper Division and Graduate Students:							
120	Landscape Gardening	3	2, 3, 4, 5	M-S	Agr	202, 303	Elliott
MARKETS & RURAL FINANCE							
Courses open only to Upper Division and Graduate Students:							
100	Agricultural Marketing	3	1	M-S	Agr	4	C. M. Clark
120	Agricultural Finance	2	3	MTWTh	Agr	4	C. M. Clark
140	Agricultural Policy	3	5	M-S	Agr	4	Price
Course open only to Graduate Students:							
202a-c	Special Problems in Marketing and Rural Finance	3 ea.	By Appt.				Brown
RURAL SOCIOLOGY							
Course open only to Upper Division and Graduate Students:							
115	Organization of Rural Groups ..	3	1	M-S	Agr	205	Bauder

COLLEGE OF ENGINEERING

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor	
ARCHITECTURAL ENGINEERING								
1	Architectural Rendering	2	12 hrs. by	appt.	AH	216	Gray	
4a	Architectural Design	3	18 hrs. by	appt.	AH	216	Gray	
5	Building Equipment	2	3	TWThF	AH	206	Gray	
CIVIL ENGINEERING								
15	General Surveying	3	Summer Surveying Camp, Camp Robinson, Noble, Kentucky			} Shaver, Blythe and others		
16b	Route Surveying	3						
17	Hydrographic Surveying	1						
18	Mapping and Topographic Drawing	2	7, 8	M-F	Engr Annex		Hoffmann	
31	Highway Location, Construction and Maintenance	2	3	M-Th	AH	214	Pendley	
81-1	Testing Materials (20)	1	1, 2	TTh	AH	108	Chambers	
81-2	Testing Materials (20)	1	7, 8	MW	AH	108	Chambers	
81-3	Testing Materials (20)	1	7, 8	TTh	AH	108	Chambers	
81-4	Testing Materials (20)	1	9, 10	TTh	AH	108	Pendley	
110a	Reinforced Concrete	4	{	2	M-S	AH	206	Mory
				7, 8, 9	TTh			
120	Hydraulics	2	5	T-F	AH	206	Cheek	
123	Hydraulics Laboratory	1	7, 8, 9	TTh	AH	108	Cheek	
171a	Theory of Structures	3	4	M-S	AH	214	Leggett	
171b	Theory of Structures	3	2	M-S	AH	214	Leggett	
173a	Steel Structures	3	{	4, 5	M-S	AH	212	Mory
				2 hrs. by	appt.			
174	Graphic Solutions	2	7, 8, 9	M-Th	AH	216	Leggett	
ELECTRICAL ENGINEERING								
11-1	Electrical Laboratory	1	3:00- 4:50 p.m.	MW	Engr Annex	Lab		
11-2	Electrical Laboratory	1	3:00- 4:50 p.m.	TTh	Engr Annex	Lab		
11-3	Electrical Laboratory	1	{	3:00- 4:50 p.m.	F	Engr Annex	Lab	
				3, 4	S			
11-4	Electrical Laboratory	1	6, 7	TTh	Engr Annex	Lab		
21-1	Prin. of Elec. Engr., Lec.	4	1	M-S	AH	206		
21-11	Prin. of Elec. Engr., Lab.		4, 5	MTh	AH	130		
21-12	Prin. of Elec. Engr., Lab.		4, 5	TF	AH	130		
21-13	Prin. of Elec. Engr., Lab.		4, 5	WS	AH	130		
21-2	Prin. of Elec. Engr., Lec.	4	3	M-S	AH	205		
21-21	Prin. of Elec. Engr., Lab.		{	1:00- 3:00 p.m.	M	AH	130	
				4:00- 6:00 p.m.	T	AH	130	
				1:00- 3:00 p.m.	TTh	AH	130	
				1:00- 3:00 p.m.	WF	AH	130	
101-1	Fund. of Elec. Mach., Lec.	3	6	T-F	AH	204		

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	ELEC. ENGINEERING—Cont.						
101-11	Fund. of Elec. Mach., Lab.		6:00- 8:50 p.m.	TTh	AH	130	
101-12	Fund. of Elec. Mach., Lab.		6:00- 8:50 p.m.	WF	AH	130	
105b-1	Elec. Engr. Circuits and Mach., Lec.	4	6	M-S	AH	205	
105b-11	Elec. Engr. Circuits and Mach., Lab.		3:00- 5:50 p.m.	M	AH	130	
			6:00- 8:50 p.m.	W	AH	130	
105b-12	Elec. Engr. Circuits and Mach., Lab.		6:00- 8:50 p.m.	MTh	AH	130	
105b-13	Elec. Engr. Circuits and Mach., Lab.		6:00- 8:50 p.m.	TF	AH	130	
107-1	Electrical Controls, Lec.	3	1	T-F	AH	234	
107-11	Electrical Controls, Lab.		4, 5	MS	AH	130	
107-12	Electrical Controls, Lab.		3, 4	TTh	AH	130	
107-13	Electrical Controls, Lab.		4, 5	WF	AH	130	
108-1	Industrial Electronics, Lec. ...	3	1	T-F	AH	205	
108-11	Industrial Electronics, Lab. ...		1, 2, 3	MS	AH	130, 244	
108-12	Industrial Electronics, Lab. ...		1:00- 4:00 p.m.	TTh	AH	130, 244	
108-13	Industrial Electronics, Lab. ...		1:00- 4:00 p.m.	WF	AH	130, 244	
110-1	Electrical Laboratory, Lec. ...	2	6	TTh	AH	232	
110-11	Electrical Laboratory, Lab. ...		1, 2, 3	MTh	AH	130	
110-12	Electrical Laboratory, Lab. ...		1, 2, 3	TF	AH	130	
110-13	Electrical Laboratory, Lab. ...		1, 2, 3	WS	AH	130	
110-14	Electrical Laboratory, Lab. ...		2:00- 5:00 p.m.	TTh	AH	130	
110-15	Electrical Laboratory, Lab. ...		2:00- 5:00 p.m.	WF	AH	130	
114-1	Alternating Current Circuits, Lec.	4	4	M-S	AH	204	
114-11	Alternating Current Circuits, Lab.		12:00- 2:00 p.m.	M	AH	130	
			1:00- 4:00 p.m.	T	AH	130	
114-12	Alternating Current Circuits, Lab.		3:00- 6:00 p.m.	M	AH	130	
			1:00- 4:00 p.m.	W			
114-13	Alternating Current Circuits, Lab.		1:00- 4:00 p.m.	ThF	AH	130	
114-2	Alternating Current Circuits, Lec.	4	5	M-S	AH	204	
114-21	Alternating Current Circuits, Lab.		2, 3, 4	MW	AH	130	
114-22	Alternating Current Circuits, Lab.		2, 3, 4	TTh	AH	130	
114-23	Alternating Current Circuits, Lab.		2, 3, 4	FS	AH	130	
115-1	Direct Current Machinery, Lec.	3	1	MWFS	AH	204	
115-11	Direct Current Machinery, Lab.		3:00- 6:00 p.m.	TTh	AH	130	

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ELEC. ENGINEERING—Cont.							
115-12	Direct Current Machinery, Lab.		3:00–6:00 p.m.	WF	AH	130	
116-1	Alternating Current Mach., Lec.	4	5	M–S	AH	205	
116-11	Alternating Current Mach., Lab.		1, 2, 3	TTh	AH	130	
116-12	Alternating Current Mach., Lab.		1, 2, 3	WF	AH	130	
120-1	Electrical Circuit Analysis	3	1	M–S	AH	232	
120-2	Electrical Circuit Analysis	3	4	M–S	AH	232	
123	Electrical Equipment Problems	2	3	TTh	AH	232	
124	Electrical Design	2	3	Appt. WF	AH	232	
135-1	Electrical Networks, Lec.	4	2	M–S	AH	232	
135-11	Electrical Networks, Lab.		4, 5, 6	MW	Engr Annex	Lab	
135-12	Electrical Networks, Lab.		4, 5, 6	TF	Engr Annex	Lab	
135-13	Electrical Networks, Lab.		4, 5, 6	ThS	Engr Annex	Lab	
136-1	Illumination Engineering, Lec..	3	6	T–F	AH	204	
136-11	Illumination Engineering, Lab.		4 hrs. by Appt.				
136-12	Illumination Engineering, Lab.		4 hrs. by Appt.				
137	Electric Power Transmission and Distribution	3	2	M–S	AH	204	
151-b	Seminar	1	3	MS	AH	232	
161-1	Electronics, Lec.	4	4:00–4:50 p.m.	TTh	AH	205	
161-11	Electronics, Lab.		2	M–S	AH	205	
161-12	Electronics, Lab.		1:00–4:00 p.m.	MW	Engr Annex	Lab	
161-13	Electronics, Lab.		1:00–4:00 p.m.	TTh	Engr Annex	Lab	
161-2	Electronics, Lab.		3, 4, 5	T	Engr Annex	Lab	
161-2	Electronics, Lec.	4	1:00–4:00 p.m.	F	AH	205	
161-21	Electronics, Lab.		5	M–S	AH	205	
161-22	Electronics, Lab.		1, 2, 3	MTh	Engr Annex	Lab	
161-23	Electronics, Lab.		1, 2, 3	TF	Engr Annex	Lab	
161-23	Electronics, Lab.		1, 2, 3	WS	Engr Annex	Lab	
162-1	Radio Engineering, I, Lec.	4	1	M–S	AH	212	
162-11	Radio Engineering, I, Lab.		4, 5, 6	MW	AH	244	
162-12	Radio Engineering, I, Lab.		4, 5, 6	TF	AH	244	
162-13	Radio Engineering, I, Lab.		4, 5, 6	ThS	AH	244	
164-1	Radio Engineering, II, Lec.	4	4	M–S	AH	206	
164-11	Radio Engineering, II, Lab.		1, 2, 3	MS	AH	244	
164-12	Radio Engineering, II, Lab.		1:00–4:00 p.m.	MW	AH	244	
164-13	Radio Engineering, II, Lab.		1:00–4:00 p.m.	TTh	AH	244	
165	Radio Engineering—Fundamentals of Electric Waves ..	2	2	T–F	AH	210	

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ENGINEERING—GENERAL							
Applied Mechanics							
2	Mechanisms (Mech.)	3	3 7, 8, 9	MWFS	AH	201	Barber
3-1	Statics (Mech.)	3		4	M-S	AH	201
3-2	Statics (Civil)	3	5	M-S	AH	201	Elrod
3-3	Statics (Elec.)	3	6	M-S	AH	201	Walton
4	Dynamics (Civil & Elec.)	2	3	MWFS	AH	202	Coffman and Elrod
6	Mechanisms (Elec.)	2	2	MWFS	AH	201	Barber
7	Dynamics (Mech.)	3	1	M-S	AH	202	Adams
100-1	Strength of Materials (Elec.)	4	1 2	M-S	AH	201	Barber
100-2	Strength of Materials (Civil)	4		2	M-S	AH	202
100-3	Strength of Materials (Mech.)	4	3 4 5	TTh	AH	202	Adams
				M-S			
				MW			
Engineering Drawing							
1a-1	Elem. Engineering Drawing	2	2, 3	M-S	Engr Annex	}	Nollau, Hoffman, Horine and Mock
1a-2	Elem. Engineering Drawing	2	4, 5	M-S	Engr Annex		
1b	Descriptive Geometry	2	4, 5	M-S	Engr Annex		
2	Mechanical Drawing	1	2, 3	MWF	Engr Annex		
18-1	Advanced Engineering Drawing	2	4, 5	M-S	Engr Annex		
18-2	Advanced Engineering Drawing	2	7, 8	M-F	Engr Annex		
Student Assemblies							
2-2	Engineering Problems	1	1	TWThF	AH	210	
2-3	Engineering Problems	1	8	MTThF	AH	236	
MECHANICAL ENGINEERING							
*15a-1	Manufacturing Processes (Lec.)	2	5	MTh	AH	232	Jones
*15a-11	Manufacturing Processes (Lab.)		7, 8, 9, 10	MTh	AH	110c	Mangelsen
*15a-12	Manufacturing Processes (Lab.)		7, 8, 9, 10	TF	AH	110c	Mangelsen
*15b-1	Manufacturing Processes (Lec.)	2	5	TF	AH	232	Carter
*15b-11	Manufacturing Processes (Lab.)		7, 8, 9, 10 2, 3, 4, 5	W	AH	110c	Mangelsen
				S			
100b	Machine Design (Lec.)	3	3	MWF	AH	235	Carter
			8, 9, 10	TThF	AH	216	
104a	Engineering Thermodynamics	3	4	M-S	AH	235	Jones
104b	Engineering Thermodynamics	3	3	M-S	AH	236	Penrod
105	Power Plant Engineering	3	4	M-S	AH	236	Willis
107	Fluid Mechanics	3	2	M-S	AH	236	Savage
109	Refrigeration	3	6 hrs. by	Appt.	AH		Baker
*112-1	Mechanical Laboratory (Lec.)	2	3	MW	AH	235	Baker
*112-11	Mechanical Laboratory (Lab.)		9, 10, 11	MW	AH	131a	Willis
*112-12	Mechanical Laboratory (Lab.)		9, 10, 11	TTh	AH	131a	Willis
*113a-1	Mechanical Laboratory (Lec.)	2	4	MW	AH	235	Knight
*113a-11	Mechanical Laboratory (Lab.)		6, 7, 8	MF	AH	131a	Willis
*113a-12	Mechanical Laboratory (Lab.)		6, 7, 8	MTh	AH	131a	Knight
*113b-1	Mechanical Laboratory (Lec.)	2	4	TTh	AH	235	Tenney
*113b-11	Mechanical Laboratory (Lab.)		6, 7, 8 9, 10, 11	W	AH	131a	Tenney
				F			

* Student must sign for one lecture and one laboratory section.

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
MECH. ENGRG.—Cont.							
114a	Air Conditioning, Heating and Ventilating	3	6 hrs. by	Appt.	AH		Knight
114b	Air Conditioning, Heating and Ventilating Design	3	3	TTh	AH	235	Knight
122b	Seminar	1	7, 8, 9, 10	MWF	AH	216	
129	Elements of Heat Transfer ...	4	9, 10	TTh	AH	235	Knight
130	Applied Aerodynamics	3	5	M-S	AH	236	Baker
131a	Airplane Design	3	2 hrs. by	Appt.	AH		Savage
134	Elements of Engineering, Thermodynamics	3	6 hrs. by	Appt.	AH		Savage
			2	M-S	AH	236	Carter
METALLURGICAL ENGINEERING							
60	Metallurgical Laboratory and Shop Practice	6	44 hrs. per week for 6 weeks				Staff
167-1	Extractive Metallurgy Plant Practice	2	44 hrs. per week July 5 to 16 inc.				Spokes
167-1	Extractive Metallurgy Plant Practice	2	44 hrs. per week July 18 to 30 inc.				Spokes
MINING ENGINEERING							
220c	Special Problems in Mining Engineering	3	By	Appt.			Carter

COLLEGE OF LAW

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor	
Intersession, Summer, 1949 (June 6-18; Registration, June 4)								
C147	Restitution	1	2	MTWTh FS	L	213	Murray	
C152	Oil and Gas	1	4 3 5	MT WTh MTWTh FS	L	212	Moreland	
Summer Session (June 20-August 13) First Year Subjects								
C101b	Contracts II	2	2	MTWTh	L	213	Murray	
102b	Torts II	3	4	MThFS	L	212	} McEwen	
147	Restitution	2	5 4	ThF MTFS	L	100 213		
Second Year Subjects								
120	Trial Procedure	4	2 5	FS MTWTh	L	212	Culp	
123	Negotiable Instruments	3	3	FS MTWTh FS	L	212	Stahr	
Third Year Subjects								
C154	Damages	1	2	MTWTh WTh	L	212	McEwen	
162	Property IV	3	3	} FS	L	213	Matthews	
164	Conflict of Laws	3	5		FS	L	212	Matthews
C170	Legal Ethics	1	2		MT	L	213	Moreland

COLLEGE OF EDUCATION

A standing of 1.0 is required for admission to any course in the College of Education

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
DIVISION OF ADMINISTRATION							
101	School Organization	3	7	M-F	E	222	Adams, H. P.
Courses open only to Graduate Students:							
202	Local School Administration ..	3	3	M-S	E	222	Meece
207	School Buildings and Equipment	3	1	M-S	E	222	Dunn
210a, b	Independent Work in School ..	3-ea.	By	Appt.	E	233	Cherry and Meece
Administration (Prereq.: 18 hours of graduate work)							
231	Business Administration and Finance of Public Education	3	4	M-S	E	222	Meece
232	High School Administration ..	3	2	M-S	E	222	Cherry
276	Administrative Problems in Today's Education (Workshop for Superintendents)	3	By	Appt.	E	Aud	Spain, Cherry and Dickey
(June 20-July 2)							
301a, b	Research Problems in Educational Administration	3-ea.	By	Appt.	E	233	Cherry and Meece
DIVISION OF FOUNDATIONS OF EDUCATION							
119	The Elementary School Pupil .. (Prereq.: One course in psychology)	2	3	T-F	E	144A	McMillian
122	Educational Tests and Measurements	3	4	M-S	E	131	McMillian
147	The Secondary School Pupil .. (Prereq.: One course in psychology)	2	1	T-F	E	144A	McMillian
Courses open only to Graduate Students:							
201	Foundations in Education	5	7, 8	M-F	E	Aud	Hartford and Sorenson
217	General History of Education ..	3	3	M-S	E	131	Hartford
222	Methodology of Educational .. Research (Prereq.: 12 hours in education)	3	2	M-S	E	131	Sorenson
255a	Guidance and Counseling in Today's Schools	3	7, 8	M-F	E	131	
(June 20-July 16)							
255b	Guidance and Counseling in Today's Schools	3	7, 8	M-F	E	131	
(July 18-August 13)							
DIVISION OF INSTRUCTION AND PLACEMENT							
Business Education							
C158a	Teaching Secretarial Subjects	3	3	M-S	E	134	Musselman
184	Teaching Office Appliances ...	2	7, 8	TTh	A	302b	Speck
Courses open only to Graduate Students:							

COLLEGE OF EDUCATION—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
DIV. OF INSTRUCTION AND PLACEMENT—Continued							
Business Education—Continued							
208d	Problems in Business Education (Curriculum Workshop) (Prereq.: one course in curriculum)	3	4	M-S	E	134	Musselman
C257b	Seminar in Business Education (Democracy, Pupil Participation, Cooperative Planning in Business Education) (July 5-16)	2	1:00-4:00	M-F	E	134	Puckett, Finch and Wilson
270	Business Education in Colleges and Universities	3	2	M-S	WH	207	Thomas
C272b	Independent Work in Business Education	2	By Appt.		E	123	Musselman
Curriculum and Instruction							
175a	Modern Educational Problems . (July 18-August 4)	3	By Appt.		E	207	Nichols
175f	Modern Educational Problems . { Vocational Rehabilitation Pro- cedures in Kentucky) (August 1-13)	3	By Appt.		E	105	Baldree
175g	Modern Education Problems: Education of Handicapped Children	3	6	M-S	E	222	Retherford
186	Visual Teaching	3	1	M-S	E	Rec	Myers
Courses open only to Graduate Students:							
224	Organization and Supervision of Student Teaching	3	By Appt.		E	Rec	Ginger
C225	Supervision of Instruction	3	1	M-S	E	131	Turpin
226a, C226b	Problems of the School Curriculum	3, 2	By Appt.		E	Rec	Spain, Ginger and Duncan
(Elementary School Leadership Workshop) (June 20-July 16)							
234	Problems of Curriculum Making	3	5	M-S	E	131	Turpin
245	Organization of Audio-Visual Aids	3	By Appt.		E	Rec	Myers and Staff
(July 18-July 30)							
Elementary Education							
C20	Industrial Arts in the Elementary School	2	2, 3	T-F	E	170	Haines
110	Art and Craft Activities in the Elementary School	2	4, 5	MTThF	E	170	Haines
*C133	Student Teaching in the Elementary School	6	By Appt.		E	126	Ginger and Supervising Teachers
173	Children's Literature	3	2	M-S	E	144A	Duncan

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

COLLEGE OF EDUCATION—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
DIV. OF INSTRUCTION AND PLACEMENT—Continued							
Elementary Education—Cont.							
196	Science in the Elementary School	3	5	M-S	E	144A	Kelley
Courses open only to Graduate Students:							
212	The Elementary School	3	4	M-S	E	144A	Duncan
215a, b	Independent Work in Elementary Education	2ea.		By Appt.	E	136	Duncan
Secondary Education							
105	Fundamentals of Secondary Education	3	8	M-F	E	222	Dickey
*C153-1	Student Teaching in English ..	6		By Appt.	E	107	Anderson
*C153-2	Student Teaching in English ..	6		By Appt.	E	101	Neubauer
*C153-3	Student Teaching in English ..	6		By Appt.	E	201	Shipman
*C154	Student Teaching in Languages	6		By Appt.	E	208	Robinson
*C155	Student Teaching in the Sciences	6		By Appt.	E	204	Kemper
*C156-1	Student Teaching in Mathematics	6		By Appt.	E	211	Porter
*C156-2	Student Teaching in Mathematics	6		By Appt.	E	101	Neubauer
*C156-3	Student Teaching in Mathematics	6		By Appt.	E	201	Shipman
*C157-1	Student Teaching in the Social Studies	6		By Appt.	E	207	Peck
*C157-2	Student Teaching in the Social Studies	6		By Appt.	E	101	Neubauer
*C157-3	Student Teaching in the Social Studies	6		By Appt.	E	201	Shipman
*C169a, b	Student Teaching in Physical Education (for men)	3-ea.		By Appt.	E	126	Clay
*C193	Student Teaching in Business Education	6		By Appt.	E	134	McMurtry
Courses open only to Graduate Students:							
214	The Secondary School	3	5	M-S	E	222	Dickey
248a, b	Independent Work in Secondary Education	3-ea.		By Appt.	E	123	Dickey
DIVISION OF VOCATIONAL EDUCATION							
Agricultural Education							
179	Determining Content in Vocational Agriculture	3		By Appt.	E	226	Hammonds and Wall
185a	Problems in Agricultural Education	3		By Appt.	E	226	Tabb, Wall and Cox
185b	Problems in Agricultural Education	3		By Appt.	E	136	Tabb

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

COLLEGE OF EDUCATION—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	DIV. OF VOCATIONAL EDUCATION—Continued Agricultural Education—Cont.						
	Courses open only to Graduate Students:						
285a	Modern Problems in Agricultural Education (August 1-August 17)	3		By Appt.	E	226	Hammonds
287a	Advanced Problems in Agricultural Education	3		By Appt.	E	219	Hammonds, Tabb and Armstrong
287b	Selecting Teaching Materials .. (July 11-July 27)	3		By Appt.	E	226	Wall
287c	Adult Farmer School	3		By Appt.	E	KdgB	Tabb
287d	Directing Farm Practice	3		By Appt.	E	KdgB	Hammonds
287f	Young-Farmer Schools	3		By Appt.	E	KdgB	Wall
289a, b	Research in Agricultural Education	3-ea.		By Appt.	E	219	Hammonds, Tabb and Armstrong
	Distributive Education						
C128	Technique of Teaching Distributive Education	2		By Appt.	E	234	Baker
	Home Economics Education						
165	Adult Education in Home Economics	3		By Appt.	E	Cafe	Sneed, Lyle and Vaughan
	Courses open only to Graduate Students:						
261	Home Economics Supervision .. (July 9-July 27)	3		By Appt.	E	105	Parker
263	Current Problems in Home Economics Education	3		By Appt.	E	Cafe	Sneed
266a	Seminar in Home Economics Education (Housing Workshop)	3		By Appt.	E	Cafe	Parker
	Industrial Education						
C71	Trade Analysis	3		By Appt.	E	131	Crumpton
C77	Shop Management Problems .. (August 1-August 12)	3		By Appt.	E	136	Crumpton
C143	Modern Industrial Analysis .. (June 20-July 1)	3		By Appt.	E	234	Crumpton

COLLEGE OF EDUCATION—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	DIV. OF VOCATIONAL EDUCATION—Continued Industrial Education—Cont.						
C171b	Principles and Philosophy of Industrial Education (August 1-August 12)	3		By Appt.	E	107	Hankins
C183a	Methods in Industrial Education (August 15-August 26)	3		By Appt.	E	222	Hankins
	Vocational Education						
C211	The Administration of Vocational Education (July 5-15)	2		By Appt.	E	201	Cherry and Wilson

COLLEGE OF COMMERCE

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ECONOMICS							
1-1	Principles of Economics	3	2	M-S	SS	131	Hargreaves
1-2	Principles of Economics	3	3	M-S	SS	132	Masten
1-3	Principles of Economics	3	5	M-S	McVH	231	Tolman
*2	Economic History of Europe ..	3	2	M-S	WH	102	Jennings
*3	Economic Histoy of the U. S. . .	3	3	M-S	WH	102	Jennings
7a	Principles of Accounting, Rec. }	4	1	MTThF	WH	306	Cojeen
	Principles of Accounting, Lab. }		2, 3	MTWTh	WH	306	Cojeen
7b	Principles of Accounting, Rec. }	4	4	MTThF	WH	306	Grady
	Principles of Accounting, Lab. }		5, 6	MTThF	WH	306	Grady
*9	Business Organization	3	2	M-S	WH	301	Tolman
16	Tutorial Work in Economics ..	1		By Appt.	WH		Carter
102	Labor Problems	3	2	M-S	WH	103	Carter
	(Prereq. Econ. 1)						
104	Public Finance	3	2	M-S	WH	101	Sullivan
	(Prereq. Econ. 1)						
105	Money and Banking	3	1	M-S	WH	103	Masten
	(Prereq. Econ. 1)						
107-1	Statistical Method, Rec. and						
	Lab.	3	1, 2	MTThF	WH	401	Massie
107-2	Statistical Method, Rec. and						
	Lab.	3	4, 5	MTWTh	WH	401	Massie
110	Business Cycles	3	2	M-S	SS	132	Haynes
	(Prereq. Econ. 1 and an elem. course in Statistics)						
112a-f	Individual Work in Economics 1-ea.			By Appt.			Staff
115	Value and Distribution Theory	3	4	M-S	SS	203	Haynes
127	International Economics	3	4	M-S	WH	103	Sullivan
	(Prereq. Econ. 1)						
202a-f	Seminar	1-ea.		By Appt.			Carpenter
204	Survey of Economic Theory Since the Austrian School ..	3	4	M-S	SS	132	Hargreaves
COMMERCE							
7a	Principles of Accounting, Rec. .	4	1	MTThF	WH	306	Cojeen
	Principles of Accounting, Lab. .		2, 3	MTWTh	WH	306	Cojeen
7b	Principles of Accounting, Rec. .	4	4	MTThF	WH	306	Grady
	Principles of Accounting, Lab. .		5, 6	MTThF	WH	306	Grady
*9	Business Organization	3	2	M-S	WH	301	Tolman
10	Principles of Marketing	3	5	M-S	WH	101	DeVoe
†*13a	Secretarial Practice, Shorthand	3	4	M-S	WH	102	Humphreys
	(Prereq. or concurrent Eng. 1a)						
13b	Secretarial Practice, Shorthand	3	5	M-S	WH	303	Humphreys
	(Prereq. 13a or equivalent)						
14a	Advanced Secretarial Practice	3	4	M-S	WH	303	Thomas
	(Prereq. Com. 13b and 17b)						
14b	Advanced Secretarial Practice	3	4	M-S	WH	303	Thomas
	(Prereq. Com. 14a)						
*17a	Secretarial Practice, Type-writing	2	2	MTThF	WH	303	Speck
	(Prereq. or concurrent Eng. 1a)						
17b	Secretarial Practice, Type-writing	2	3	MTThF	WH	303	Thomas
20	Principles of Advertising	3	3	M-S	WH	103	McIntyre
	(Prereq. Com. 10)						

* Open to freshmen.

† No credit for 13b until 13a is completed.

COLLEGE OF COMMERCE—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
	COMMERCE—Cont.						
101	Secretarial Office Practice ... (Prereq. Com. 14b)	1		By Appt.			Thomas
106a	Intermediate Accounting (Prereq. Com. 7b)	3	5	M-S	WH	301	Cojeen
106 b	Intermediate Accounting (Prereq. Com. 7b)	3	3	M-S	WH	301	Grady
109b	Business Law	3	3	M-S	WH	101	Haun
117	Corporation Finance	3	4	M-S	WH	101	Pickett
	(Prereq. Econ. 1, Com. 7b)						
118	Cost Accounting	3	1	M-S	WH	301	Beals
119	Retail Merchandising	3	4	M-S	WH	301	McIntyre
131	Investments	3	1	M-S	WH	101	Pickett
	(Prereq. Com. 117)						
133	Income Tax Procedure	3	5	M-S	WH	207	Haun
	(Prereq. Com. 106a and 106b)						
135	Advanced Marketing	3	3	M-S	WH	207	DeVoe
	(Prereq. Com. 10)						
137	Problems in Management	3	5	M-S	WH	102	Carter
145	Office Management	3	5	M-S	WH	103	Speck
159	Governmental Accounting	2	4	MTThF	WH	207	Beals
	(Prereq. Com. 7b)						

