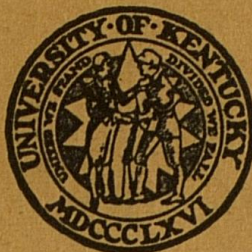


Bulletin of the

UNIVERSITY OF KENTUCKY



SUMMER QUARTER 1946

First Term: June 17 to July 20

Second Term: July 22 to August 24

Published monthly, January to September inclusive, by the University of Kentucky, Lexington. Entered as Second-Class Matter at the Post Office, Lexington, Ky., under the Act of July 16, 1894.

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

Vol. 38

APRIL

No. 4

BOARD OF TRUSTEES

1946

Ex Officio Members

Simeon S. Willis, Governor
John Fred Williams, Superintendent of Public instruction
Elliott Robertson, Commissioner of Agriculture

From the State Board of Agriculture

Robert Tway, Louisville, 1948
Harry W. Walter, Shelbyville, 1946
H. S. Cleveland, Franklinton, 1944

Members at Large

Mrs. Paul G. Blazer, Ashland, 1950
John C. Everett, Maysville, 1950
Richard C. Stoll, Lexington, 1948
R. P. Hobson, Louisville, 1948
John S. Cooper, Somerset, 1946
Harper Gatton, Madisonville, 1946

Alumni Members

Grover Creech, Louisville, 1950
H. D. Palmore, Frankfort, 1948
T. H. Cutler, Frankfort, 1952

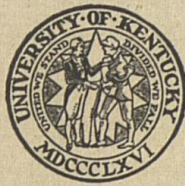
Officers of the Board

Simeon S. Willis, Chairman
Richard C. Stoll, Vice Chairman
Frank D. Peterson, Secretary and Treasurer

Executive Committee

Richard C. Stoll, Chairman
H. S. Cleveland
John C. Everett
R. P. Hobson
H. D. Palmore

BULLETIN
OF THE
University of Kentucky



SUMMER QUARTER, 1946

First Term: June 17 to July 20

Second Term: July 22 to August 24

UNIVERSITY SCHOOL

Elementary—June 10 to July 20

High School—June 10 to July 25

CONTENTS

	Pages
Calendar	3
Administrative Officers	4
Part I. General Information	5
The Summer Quarter for 1946.....	7
Accredited Relations	8
The Environment of the University.....	8
Placement Service	9
The University School and Student Teaching.....	10
Length of Quarter	11
Admission	11
Numbering of Courses	14
Student Load	14
Fees	14
Refunds	14
Late Registration	15
Marking System	15
Room and Board	15
University Health Service	16
Requirements for Graduation	16
College of Arts and Sciences	17
College of Agriculture and Home Economics.....	21
College of Engineering	22
College of Law	23
College of Education	23
College of Commerce	25
Graduate School	25
Part II. Schedule of Classes	29
Part III. The Summer Quarter Faculty	87

SUMMER QUARTER CALENDAR 1946

June 17	Monday—Registration for First Term.
June 18	Tuesday—Class work begins.
June 24	Monday—Last date on which one may enter an organized class.
June 28	Friday—Last date on which one may drop a course without a grade.
June 28	Friday—Period for filing applications for degrees.
July 4	Thursday—Independence Day Holiday.
July 20	Saturday, 6 p. m.—First Term ends.
July 22	Monday—Registration for Second Term.
July 23	Tuesday—Class work begins.
July 25	Thursday—Last date on which one may enter an organized class.
July 25	Thursday—Last date for filing applications for degrees.
August 1	Thursday—Last date on which one may drop a course without a grade.
August 23	Friday—Summer Commencement.
August 24	Saturday, 6 p. m.—Quarter ends.

ADMINISTRATIVE OFFICERS

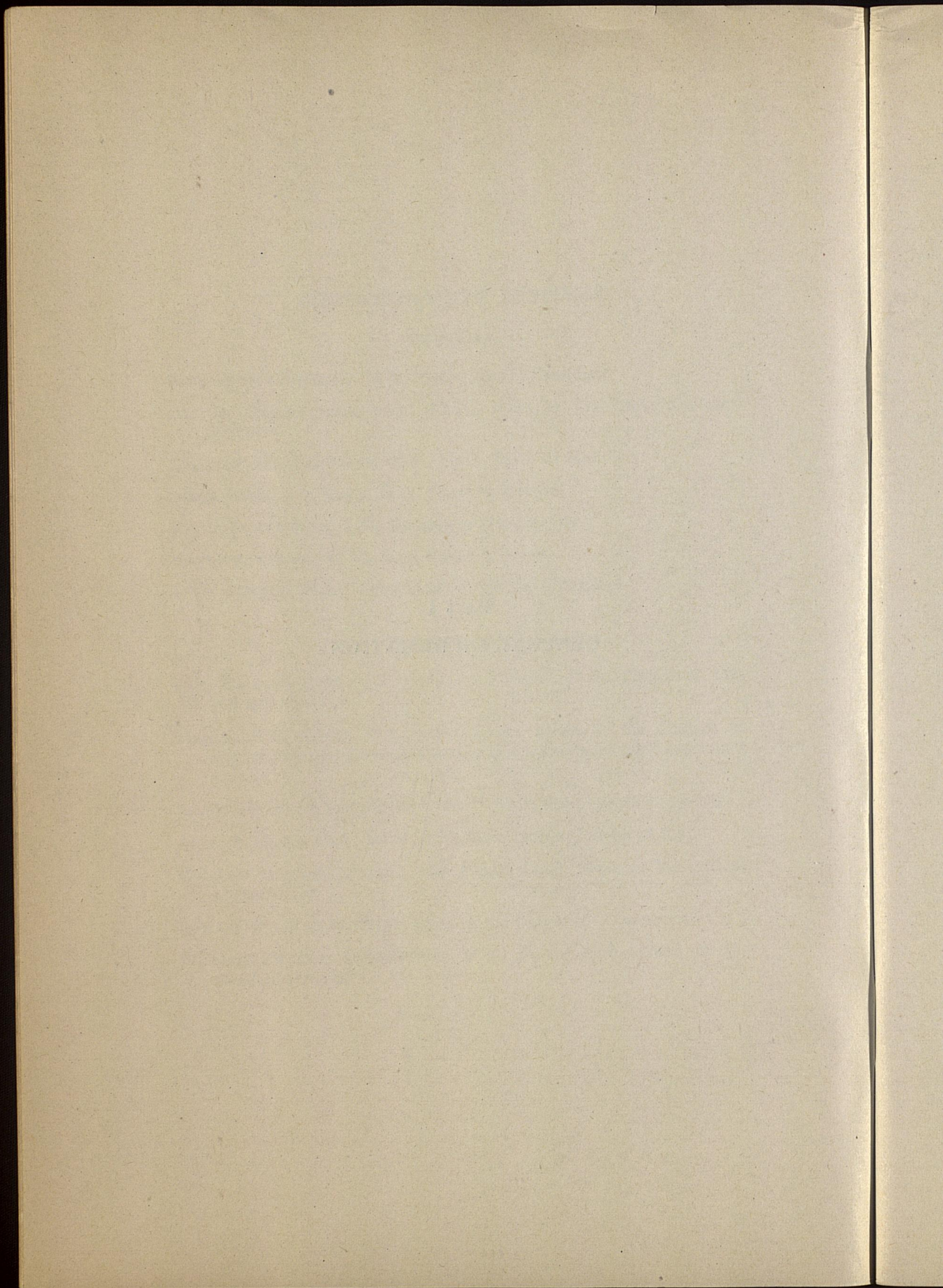
GENERAL

- HERMAN LEE DONOVAN, M.A., Ph.D., LL.D., President
LEO M. CHAMBERLAIN, M.A., Ph.D., Dean of the University and Registrar
THEODORE TOLMAN JONES, M.A., Ph.D., Dean of Men
SARAH BENNETT HOLMES, M.A., Dean of Women
FRANK D. PETERSON, A.B., University Comptroller
MARGARET ISADORA KING, A.B., B.S., Librarian
LOUIS CLIFTON, M.A., Director of University Extension

THE COLLEGES

- PAUL PRENTICE BOYD, M.A., Ph.D., LL.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
JAMES HIRAM GRAHAM, C.E., Dean of the College of Engineering
ALVIN E. EVANS, M.A., Ph.D., J.D., Dean of the College of Law
WILLIAM SEPTIMUS TAYLOR, M.S., Ph.D., LL.D., Dean of the College of Education
EDWARD WIEST, M.A., Ph.D., Dean of the College of Commerce
WILLIAM DELBERT FUNKHOUSER, M.A., Ph.D., D.Sc., Dean of the Graduate School

Part I
GENERAL INFORMATION



GENERAL INFORMATION

THE SUMMER QUARTER FOR 1946

Conditions at the University of Kentucky once again approximate those of pre-war days. The last program for the training of military personnel was concluded in January, 1946, and all facilities of the institution are again available to civilian students. The enrollment has shown a rapid increase since the close of the war, with the number of registrations in the spring quarter exceeding the highest pre-war figure. There are ample reasons for predicting that the summer school enrollment for 1946 will be in excess of any previous year. Among the important factors supporting this view, is the inclination of the veteran student to remain in school throughout the four quarters. It appears quite probable that the Summer Quarter enrollment will include a minimum of 2,000 veterans beginning or continuing their education under the benefits provided by Public laws 16 and 346.

While the University is making every effort to care for all students who can qualify for admission, it must be emphasized that the housing problem is extremely difficult of solution. All prospective students are urged, therefore, to secure official approval of their admission at the earliest date possible, and at the same time to make necessary arrangements about living quarters.

The course offering during the 1946 Summer Quarter 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 Quarter program for 1946.

1. The high school boy or girl who graduates this spring and wishes to begin college work without delay. If Selective Service is continued, the boy who graduates before reaching his eighteenth birthday will find it especially advantageous to start his college work during the summer.
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 in-service training of teachers has 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 Quarter 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, Sanitary 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, and the Engineer's Council for Professional Development.

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, sparkling streams, woodlands, and paved roads provide Fayette County with a system of parks which is unique. Idle Hour, cradle of four Derby winners; Elmendorf; Walnut Hall; Calumet, home of Whirlaway; Castleton; Hamburg Place; Dixiana; Coldstream; and Faraway, home of Man o' War, 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 newly decorated 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 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 training 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 Quarter 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 dancing, volley ball, bowling, and intramural sports. This is an opportunity for every summer quarter student to receive expert instruction in any or all of the above mentioned activities. If you are a novice it is your chance to learn; if an expert performer, it is your chance to participate under wholesome and enjoyable circumstances.

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

THE UNIVERSITY SCHOOL AND STUDENT TEACHING

The University School will be in session during the first half of the summer quarter only. The term will begin Monday, June 10, and will run to Saturday, July 20 for the Elementary School, and to Thursday, July 25, for the High School. The University School will be open from 8:00 to 12:00, six days a week.

Students desiring to register for student teaching in the University School should make application, on or before June 5, to 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 the Dean's office to check the prerequisites before registration.

Summer school students with children have an opportunity to place them in the University School. Both the Elementary School and the High School maintain modern programs of education that should be of interest to parents attending the University of Kentucky summer quarter. 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 all 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 \$15 for one full unit in the ninth, tenth, eleventh, and twelfth grades. The tuition charge for seventh and eighth grade pupils will be \$7.50. No tuition is charged in the Elementary School for the summer quarter.

LENGTH OF QUARTER

The Summer Quarter of the University of Kentucky for 1946 will be ten weeks in length, six days a week, and will be divided into two terms, the first to begin June 17 and to close July 20, the second to begin July 22 and to close August 24.

Classes during the Summer Quarter will begin at 7:00 a. m. The first hour will be from 7:00 to 8:15, the second hour from 8:25 to 9:40, the third hour from 9:50 to 11:05, and the fourth hour from 11:15 to 12:30. However, many courses will meet for one-hour periods.

ADMISSION

Students will be admitted to the University as their previous training 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 tran-

scripts 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 equivalent thereof. Double periods are required in shop, drawing, typewriting, and all other courses requiring 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 is strongly recommended that at least ten of the units presented be chosen from the English studies, 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, thus delaying his graduation.

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 may be 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 above.

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

College of Engineering. Admission to the freshman class of the College of Engineering is limited to students rated in the upper three-quarters on the University placement tests.

In addition to meeting the general requirements for admission to the University, the high school credits presented by the applicant shall include one unit in Plane Geometry, one-half unit in Solid Geometry, and one and one-half units in Algebra. 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 90 quarter hours (exclusive of physical education and military science) completed in residence in colleges other than Law, nine of which must be in English. A standing of 1.0 is the minimum qualitative requirement, but in other than exceptional cases an applicant will not be accepted unless he has maintained a standing of 1.3 on all previous work. 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. Admission to the freshman class of the College of Education is limited to students rated in the upper three-fourths on the University placement tests. In order to transfer to the College of Education from another institution or from another college of the University, a student must have a standing of 1.0 or higher. The freshman applicant must meet the general admission requirements of the University.

College of Commerce. Admission to the freshman class of the College of Commerce is limited to students rated in the upper three-fourths on the University placement tests. The freshman applicant must meet the general admission requirements of the University.

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 under-

graduate 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. However, a student from such a school is encouraged to secure a bachelor's degree from a fully accredited institution before applying.

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 quarter is from 16 to 18 quarter hours, and for one term of the quarter, eight or nine hours.

FEES

For 1946 the fee for all resident students, except those enrolled in the Law School, will be \$37.50 for the full summer quarter, and \$24.25 for either term. For non-resident students the corresponding fees will be \$57.50 and \$29.25. For resident students enrolled in the College of Law, the fee for the full summer quarter will be \$40.50 and for either term \$26.25. The corresponding fees for non-resident students will be \$60.50 and \$31.25.

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

Students attending for the full quarter must register at the beginning of each term, paying the term fee for the first term and the balance of the full-quarter fee for the second term.

REFUNDS

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

LATE REGISTRATION

No student will be allowed to register for credit for the first term after June 24, or for the second term after July 25.

MARKING SYSTEM

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

- A—Exceptionally high quality, valued at 3 points for each quarter hour.
- B—Good, valued at 2 points for each quarter hour.
- C—Fair, valued at 1 point for each quarter hour.
- 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 credit.
- I—Incomplete.
- X—Absent from examination.
- WP—Withdrew passing.
- WF—Withdrew failing.

The standing of a student is defined as the ratio of his total number of points to his total number of credits. When a quarter'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 ten dollars. If a check is sent in payment of this fee it should be made payable to the University of Kentucky. **Refunds of this fee will be made only in case notification of cancellation is given the Dean of Women or the Dean of Men at least ten days before the term opens for which the reservation is made.** Upon occupancy of the room by a student, this fee will be held as a breakage deposit to be returned at the close of the quarter.

Women's Residence Units. Unless permission to live in town has been granted by the Office of the Dean of Women, all women students, except those living with relatives, must live in Residence Halls. During the Summer Quarter, the charge for any room is \$18.00 for a single term, or \$36.00 for the complete Summer Quarter. Bed linens are furnished, but students should bring blankets, towels, and dresser scarfs. Meals are not served in the halls during the Summer Quarter. An application blank for reserving a room in the Residence Halls may 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 a \$10.00 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. Rooms will be held only until 11:00 p. m. of the first day of registration unless special arrangement for late arrival has been made with the Dean of Women.

Men's Residence Halls. All freshmen men are required, by order of the Board of Trustees, to live in the halls unless excused by the Dean of Men. Upperclassmen will be accepted in the residence halls to the limit of available space. The Office of the Dean of Men has a list of rooms in the city which are available to students and will be glad to furnish a list to any who are interested.

For the 1946 Summer Quarter, prices of rooms in the Men's Halls will be as follows: For the quarter: suites, \$38 per person; double rooms, \$30 per person; and single rooms, \$34 per person. In the Basement, single rooms will be \$24 per person and double rooms \$20. The prices for one term of the summer quarter will be approximately half those stated for the full quarter.

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

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 a physician and nurse and complete infirmary facilities will be available during both terms to the students registered in the Summer Quarter.

REQUIREMENTS FOR GRADUATION

Undergraduate Colleges. To be eligible for graduation from any under-graduate 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 quarter hours 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 forty-five of the last fifty-four quarter hours presented for the degree must be completed in residence at the University.

Not more than forty-eight of the quarter hours 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. 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 examination. The final examination must be taken at least fifteen days before the close of the quarter.

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 or class extension.

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 first term who are to be candidates for degrees in August should make formal application in the office of the Registrar on Friday, June 21. All applications for degrees must be filed not later than Thursday, July 25. No applications for graduation in August will be received after this date. The student is responsible for making application for the correct degree. That is, if a student is working for the degree, Bachelor of Arts in Education, he should apply for this degree and not make application for the degree, Bachelor of Arts, granted in the College of Arts and Sciences. If, for any reason, a student does not receive the degree at the time indicated on the application, it will be necessary for him to file another application, as the University is not responsible for carrying over applications from one session to another.

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 192 quarter hours and 192 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:

Freshman Orientation, first and second quarters, freshman year, 1 quarter hour.

English, first, second and third quarters, freshman year, 9 quarter hours.

General Hygiene, first, second, or third quarter, 2 quarter hours.

Physical Education, freshman and sophomore years, 6 quarter hours.

Military Science (men), freshman and sophomore years, 12 quarter hours.

Group Requirements:

Humanities, freshman or sophomore year, 8 to 10 quarter hours. (Literature, Art, Music, Philosophy.)

Social Studies, freshman or sophomore year, 8 to 10 quarter hours. (Economics, Geography, History, Political Science, Sociology.)

Physical Sciences, freshman or sophomore year, 8 to 10 quarter hours. (Astronomy, Chemistry, Geology, Mathematics, Physics.)

Biological Sciences, freshman or sophomore year, 8 to 10 quarter hours. (Anthropology, Bacteriology, Botany, Physiology, Psychology, Zoology.)

Foreign Languages until proficiency examination is passed on 10 quarter hours. (French, German, Greek, Italian, Latin, Spanish.)

Ways in Which the Group Requirements May Be Satisfied

1. *The Humanities.* All lower division students will be required to complete a series of three introductory courses in the Humanities (for a total of nine quarter hours), to be chosen in any combination of three from the following specific courses, except that one, and not more than two, shall be selected from the literature courses: (Each of these courses will carry three quarter hours).

English A, Introduction to Humanities Through English Literature; Romance Language A, Introduction to Humanities Through Romance Literature; German A, Introduction to Humanities Through German Literature; Philosophy A, Introduction to Humanities Through Philosophy; Music A, Introduction to Humanities Through Music; and Art A, Introduction to Humanities Through Art.

2. *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 ten quarter hours.)

History 10a, b or Political Science 10a b, American Civilization; History 8a, b or Political Science 8a, b, European Civilization; Sociology 3a, b or Geography 3a, b, Societies Around the World.

3. *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 or 2; Botany 25; Psychology 1; Zoology 25.

4. *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 eight or more hours from the following courses: Astronomy 51a, b; Chemistry 1a, b, 4a, b, Geology 50a, b, c, (50a is pre-

requisite for 50b or c), 14a, b, c (in connection with 50a, b, c), 3, 30a, b, c, 52; Mathematics 5a, b (only one counted on group), 17, 3, 19; Physics 1a, b, c, 3a, b, c, 51, 52, 53 (51 is prerequisite for 52 or 53).

Freshman Core Curriculum

	Qtr. Hrs.
Orientation	1
General Hygiene	2
Military Science (men)	6
Physical Education	3
English	9
Humanities, or Social Studies	8-10
Physical or Biological Sciences	8-10
Foreign Languages or free electives	10

Total number of quarter hours required in Lower Division, 96.

The normal load per quarter is 16 quarter hours.

Rules and Procedures

1. Superior Students: Entering freshmen, in the upper twenty-five per cent of the classification scale, as determined by University 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.
3. A student deficient in English, as indicated by the freshman tests, will be required to pass English D (with no credit) in his first quarter, and the regular freshman English course in his second, third, and fourth quarters, or whenever he has satisfactorily removed the deficiency.
4. A student deficient in mathematics, as indicated by the freshman tests, will be required to pass Mathematics D (with no credit).

Upper Division—Junior and Senior Years

Field of Concentration. Sixty quarter hours 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 22 quarter hours of the required 60 in the field of concentration must be in one department, the major de-

partment, exclusive of courses open to freshmen. However, the major department may require more than the minimum 22. A minimum of 8 quarter hours 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, Mathematics and Astronomy, Music, Philosophy, Physical Education, Physics, Political Science, Romance Languages, Social Work, Sociology, and Zoology will be required to schedule tutorial courses as specified by their major department and to take final comprehensive examinations is a prerequisite for graduation for major students in these departments.

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Agriculture

To receive the degree of Bachelor of Science in Agriculture a student must complete 210 quarter hours and 210 quality points. These hours are classified as follows:

Prescribed non-agriculture	63 hours
Prescribed agriculture	47 hours
Electives required in agriculture	46 hours
Free electives	54 hours
Total	210 hours

The liberal system of electives enables a student to take a general course or to pursue some specialization in a chosen field. Options from which a choice may be made are: General agriculture, high school teaching, agricultural entomology, agronomy, animal husbandry, dairying, poultry, farm economics and rural sociology, markets and rural finance, and horticulture.

Students planning to prepare for professional work in agricultural engineering, veterinary medicine, forestry, or the rural ministry may take work that will permit them to enter these schools. A two-year, non-degree course is provided for those who do not desire to complete the degree requirements. The poultry short course will be held in August and plans are being made for other short courses.

Home Economics

To receive the degree of Bachelor of Science in Home Economics a student must complete 205 quarter hours and 205 quality points. These hours are classified as follows:

Prescribed non-home economics	75 hours
Prescribed home economics	69 hours
Electives required in home economics	18 hours
Free electives	43 hours
	—
Total	205 hours

Through the proper choice of electives a student may take a general course or may pursue some specialization in one of the following options: General home economics; high school teaching; institution economics and dietetics; clothing, textiles, and related art; and child development and family living. The Summer Quarter offers unusual opportunity for choice of electives in all of these options.

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 placement tests.

Courses of Study and Degrees. The College of Engineering offers instruction leading to the following baccalaureate degrees:

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

The courses of study leading to these degrees are identical during the first two quarters of 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 Quarter of 1946.

COLLEGE OF LAW

The Summer Quarter in the College of Law consists of two terms of approximately five weeks each.

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

The courses in the College of Law for the Summer Quarter 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.

The law library is one of the best in the South, consisting of over 30,000 volumes. It receives regularly approximately 100 legal periodicals.

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

The Law School 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 192 quarter hours with a standing of 1.0.

General Requirements for Students in the Field of Secondary Education

1. Minimum General Preparation	Quarter Hours
English	16
Psychology	8
Physical Education	3
Orientation	1
Military Science (for men only)	12

2. Teaching Fields	
Two majors (36+36)	72
or	
One major, two minors (36+24+24)	84
or	
An Area of Concentration	72
3. Professional Preparation*	
Education 35	4
Education 16 or 122	5
Education 101	5
Education 105	4
Directed Teaching	9
4. Core Curriculum	40
At least forty quarter hours must be submitted from the fields listed below. No candidate may present fewer than three nor more than four fields, nor fewer than eight quarter hours in any field; nor may any candidate select under the core curriculum any field which he uses as a major or minor.	
Fine Arts	Philosophy and Psychology
Science	Foreign Languages
Social Science	Vocational Subjects
Mathematics	Health, Physical Education, and Safety

General Requirements for Students in the Field of Elementary Education

	Quarter Hours
1. English	16
a. Oral and Written Composition	
b. History of English Literature	
2. Science	16
a. Heredity	
b. Electives	
3. Social Sciences	36
a. History—American and Kentucky	
b. Political Science	
c. Sociology	
d. Geography	
4. Fine Arts	12
a. Public School Art	
b. Elective in Art	
c. Public School Music	

* Physical Education, Music, and Art Majors should substitute Education 16, and Education C44 for Education 35 and Education 122. Business Education Majors should substitute Education 104 and Education 158a, b for Education 101 and Education 105.

5. Health and Physical Education	11
6. Psychology	10
7. Professional Preparation	47
a. Fundamentals of Elementary Education	
b. Children's Literature	
c. Teaching Arithmetic	
d. Teaching Science	
e. Teaching Reading	
f. Industrial Arts	
g. Supervised Student Teaching	
8. Electives, including Principles of Nutrition	44

COLLEGE OF COMMERCE

The degree of Bachelor of Science in Commerce is conferred upon students who meet the requirements of any one of the following curricula: General-Business, Business-Management, Industrial-Administration, Marketing and Advertising, Commerce-Law, and Secretarial. The minimum number of quarter hours required for graduation is 192, except under the Industrial-Administration Curriculum which requires 216. The scholastic 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 GRADUATE SCHOOL

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

Residence Credit. A graduate student must carry at least six quarter hours in each term of the Summer Quarter to be entitled to full residence credit for that term.

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 36 quarter hours 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, 18 additional quarter hours and 12 additional weeks may be offered in lieu of a thesis.

General Requirements for a Master's Degree. All candidates for any master's degree must have completed the equivalent of a B.A. or B.S. degree in a fully accredited institution. Part-time residence during any quarter is computed on the basis of one week of residence for each quarter hour earned, but the amount of residence for part-time work is limited, except for graduate assistants and part-time instructors, to not more than four weeks in any one quarter. No credit toward advanced degrees is allowed for correspondence or extension work and no transferred credit is accepted toward a master's degree.

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

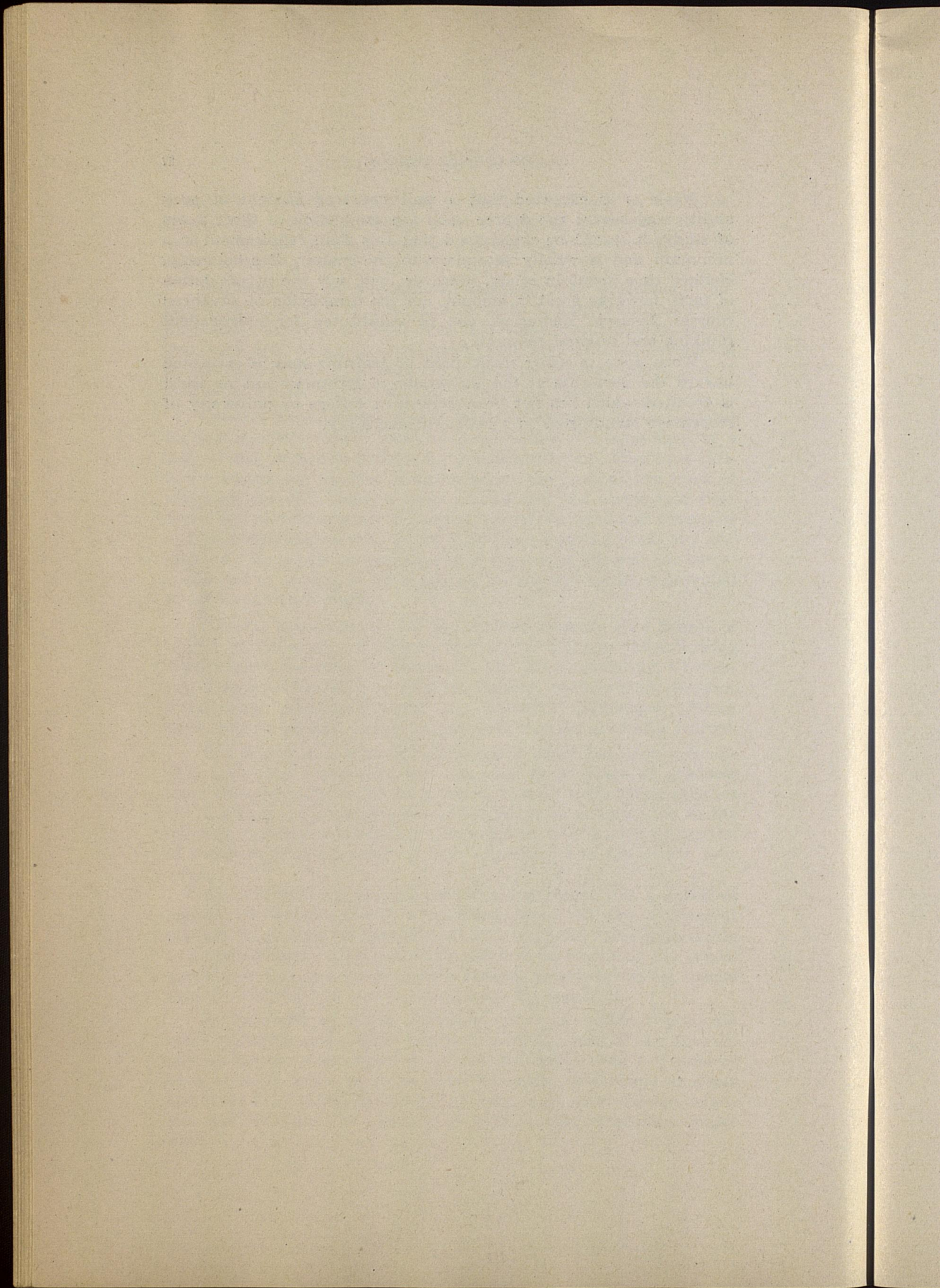
The degree of Doctor of Philosophy is conferred upon a candidate who after completing not less than three years of graduate work devoted to the study of a special field of knowledge, satisfies the language requirements, passes the required examination in the subjects, presents a satisfactory dissertation, 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.

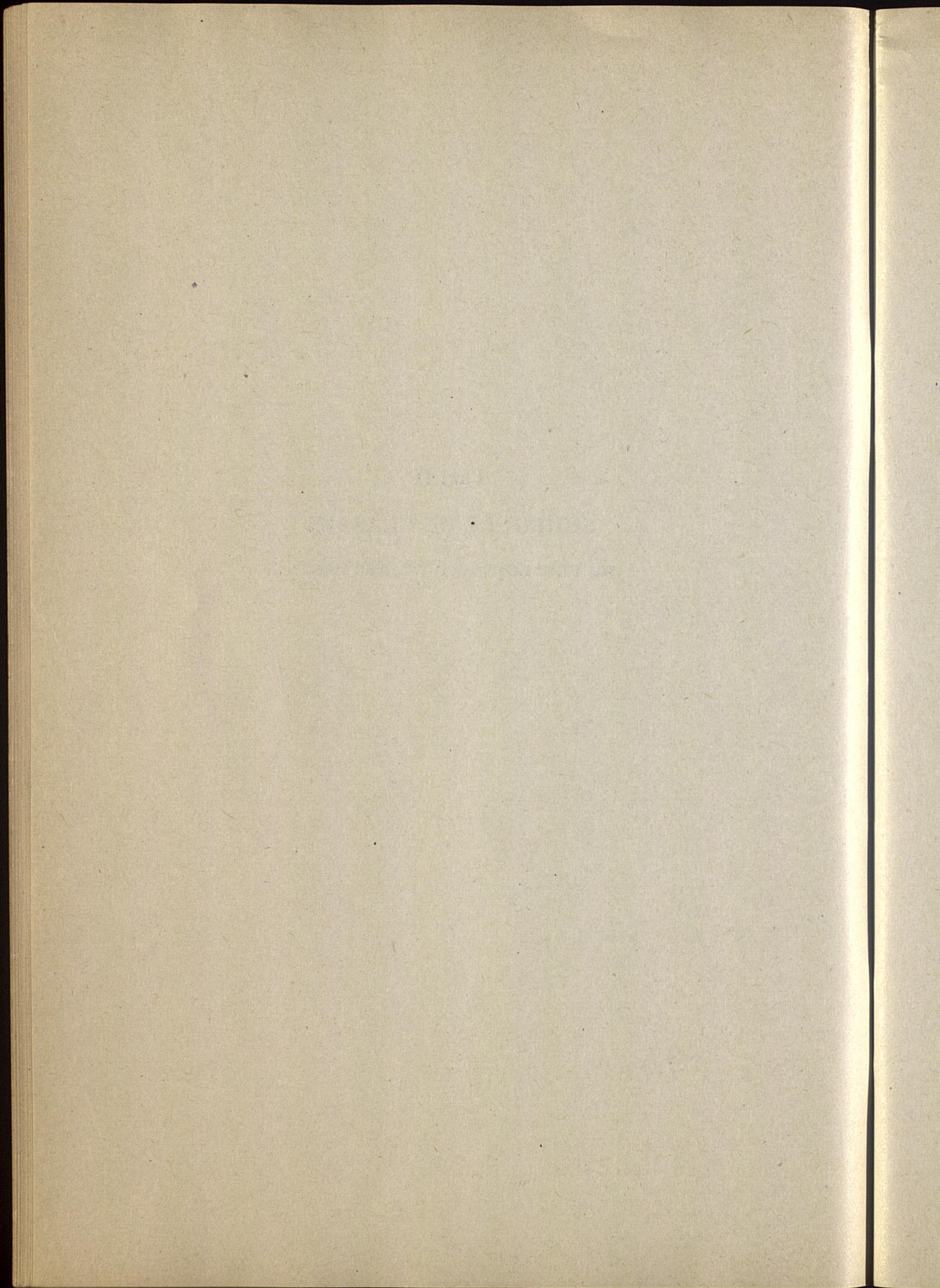
A minimum of three collegiate years of resident graduate work, of which at least the last year must be spent at the University of Kentucky, is required for the doctorate. The full time of each of these years must be spent in study. Part-time students and those holding assistantships or engaging in other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



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	McVH, McVey Hall
AC, Art Center	MeH, Memorial Hall
AE, Agricultural Engr	MeL, Meat Laboratory
AP, Animal Pathology	MG, Men's Gymnasium
Agr, Agriculture	MH, Miller Hall
BH, Barker Hall	ML, Mining Laboratory
BS, Biological Sciences	Museum
D, Dairy	NH, Neville Hall
E, Education	NorH, Norwood Hall
Eng, Engineering	NS, Nursery School
FH, Frazee Hall	Obs, Observatory
GA, Gymnasium Annex	Pence, Pence Hall
Guig, Guignol	SP, Stock Judging Pavilion
HB, Health and Hygiene	TL, Tobacco Laboratory
HE, Home Economics	UL, University Library
KH, Kastle Hall	WH, White Hall
L, Lafferty Hall	

RECITATION HOURS

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

Noon Hour

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

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 course and section numbers.
4. After classes are assigned leave two 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. Two copies of your completed schedule, must be filed with your Dean before the close of the registration period.
 8. A course cannot be added to your schedule after June 24 for the First Term or July 25 for the Second Term.

FIRST TERM

FIRST THREE

FIRST TERM—SUMMER 1946

COLLEGE OF ARTS AND SCIENCES

Paul Prentice Boyd, Dean
Martin Marshall White, Associate Dean

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
------------	---------	-----------	------	------	----------	----------	------------

AGRICULTURE

A student in the College of Arts and Sciences may elect toward the A.B. or B.S. degree a total of 45 quarter hours from other colleges of the University.

ANATOMY AND
PHYSIOLOGY

R. S. Allen, Head of Department, Biological Sciences Bldg., Room 304.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours 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 1a, 1b; Zoology, 1a, 1b, 1c; Physics 1a, 1b, 1c; Chemistry 1a, 1b. **Required:** A minimum of 21 quarter hours of advanced work in Anatomy and Physiology plus Seminar (116a, 116b, 116c) and passing a comprehensive examination in the senior year

LOWER DIVISION REQUIREMENTS—See Page 18.

1a	General Physiology	4	2	M-S	BS	313	Archdeacon
	Courses open only to Junior, Senior, and Graduate Students:						
104a-d	Independent work in Physiology	4	By Appt.		BS	303a	Archdeacon
106	Introduction to Endocrinology	4	3	M-S	BS	307	Allen
108a ₁	Advanced Physiology, Lec., Rec.	4	4	M-Th	BS	313	Archdeacon
108a ₂	Advanced Physiology, Lab.	4		ThF			
	Courses open only to Graduate Students:						
201a	Research in Physiology	6	By Appt.	D	BS	304a	Allen, Arch-
	Full Quarter Courses					305a	deacon, and
*2	Elementary Anat. & Physiol., Lec., Rec. and Dem.	5	9:50-10:40	M-S	BS	313	Brown
*6b ₁	Gen. Anat. and Physiol. for Nurses, Lec., Rec.	4		8:25-9:25			
6b ₂	Gen. Anat. and Physiol. for Nurses, Lab.	4	7:00-9:10	S	BS	306	Cole
1b	General Physiology	4	9:50-10:40	M-F	BS	306	Cole
3 ₁	Physiology (Home Ec.), Lec., Rec.	5	1:00-2:00	MWF	BS	313	Brown
3 ₂	Physiology (Home Ec.), Lab.	5	2:00-4:10	MW	BS	306	Cole
4 ₁	Elementary Ana. (Phys. Ed.), Lec., Rec.	5	7:00-8:00	MWF	BS	313	Brown
4 ₂	Elementary Anatomy, Lab.	5	7:00-9:10	TTh	BS	306	Brown and Cole
	Courses open only to Juniors, Seniors, and Graduate Students:						
107 ₁	Advanced Anatomy, Lec., Rec.	5	11:15-12:05	TThFS	BS	307	Allen
107 ₂	Advanced Anatomy, Lab.	5	1:00-2:50	MW	BS	308	Allen and Cole

* Open to Freshmen.

FIRST TERM—SUMMER 1946

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
------------	---------	-----------	------	------	----------	----------	------------

ANCIENT LANGUAGES

T. T. Jones, Head of Department, Administration Bldg. 5 or 303.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: 60 quarter 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: First two years of college Latin. **Required:** A minimum of 22 quarter hours of advanced work in A. L.; Tutorial Work; comprehensive examination in senior year.

Note.—No credit given when work done in High School is repeated. One year of High School language is considered the equivalent of one quarter of University work. Two courses at same hour not allowed. No credit given in A. L. 1a until A. L. 1b has been completed.

LOWER DIVISION REQUIREMENTS— See Page 18.

*1a, b	Beginning Latin (1st or 2nd half)	3	1	M-F	A	303	Jones
*2	Caesar and Selection	3	2	M-F	A	303	Jones
*3	Cicero and Selections						
*4a	Vergil						
*5	Livy						
*6a, b	Horace	3	By Appt.	M-F	A	303	Jones
*51a	Beginning Greek						
Courses open only to Upper Division and Graduate Students:							
121	Survey of Roman Civilization.. (In English, does not count as foreign language requirement.)	3	By Appt.	M-F	A	303	Jones
150a, b	Teacher's Course in Latin	3	By Appt.	M-F	A	303	Jones
151a-d	Independent Work in Ancient Languages	3	By Appt.	M-F	A	303	Jones

ANTHROPOLOGY AND ARCHAEOLOGY

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

Courses open only to Upper Division and Graduate Students:							
101	Prin. of Anthropology	3	3	M-F	BS	200	Funkhouser

ART

E. W. Rannells, Head of Department, Biological Sciences 219-222.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: 60 quarter 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: Art 61a, 61b (drawing), 62 (design),

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
------------	---------	-----------	------	------	----------	----------	------------

35, 36 (history of art). **Required:** A minimum of 32 quarter hours—15 in studio hours, 15 in history of art, plus the senior seminar and comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 18.

10a	Public School Art	3	5, 6	M-F	BS	314	Callihan
62	Basic Design	4	5, 6, 7 (and 8 hours by appt.)	MWF	BS	214	Barnhart
65a, b, c	Painting	4	5, 6, 7 (and 12 hours by appt.)	TTh	BS	316	Barnhart
Courses open only to Upper Division and Graduate Students:							
165a, b, c	Advanced Painting	4	5, 6, 7 (and 12 hours by appt.)	TTh	BS	316	Barnhart
119a, b, c	Independent Work: Design, Construction	4	5, 6, 7 (and 8 hours by appt.)	MWF	BS	214	Barnhart
142	Modern Art	4	3	M-S	BS	211	Callihan

(Note.—All four-quarter-hour courses in Drawing, Painting, or Design will require 20 studio hours per week for full credit for the summer term of five weeks; but they also may be scheduled for limited credit with studio hours reduced in proportion, e. g., 10 studio hours for half-credit.)

BACTERIOLOGY

Morris Scherago, Head of Department, Biological Sciences, Room 103.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Prerequisites: Chemistry 1a, b; Bact. 2b or 52 and 104. **Required:** Three quarter hours of Seminar and a minimum of 20 additional quarter hours of advanced work in Bacteriology, including Bact. 125a and b.

Note.—For outline of course leading to the degree B.S. in Medical Technology consult the University catalog.

LOWER DIVISION REQUIREMENTS—See Page 18.

*2a ₁	Elem. Microbiology, Lec.	6	{ By Appt.	M-S	BS	124	Weaver	
*2a ₂	Elem. Microbiology, Lab.....			M-S	BS	208	Humphries	
C56a ₁ , b ₁	Bact. of Foods, Lec.	3, 3	{	9:50- 10:40	M-S	BS	124	Weaver
C56a ₂ , b ₂	Bact. of Foods, Lab.....			{	10:40- 12:30	M-S	BS	207
102 ₁	General Bacteriology, Lec.	6	{	7:00-7:50	M-S	BS	125	
102 ₂	General Bacteriology, Lab.			{	7:50-9:40	M-S	BS	210

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
BACTERIOLOGY—Cont.							
103 ₁	Pathogenic Bact., Lec.	6	1:30-2:30 10:40-	M-F	BS	124	Scherago
103 ₂	Pathogenic Bact., Lab.						
104	Applied Bact., Lab.	3	By Appt.	M-S	BS	207	
110a, b	Lab. Diagnosis	3, 3	7:00-	M-S	BS	206	Hotchkiss
111 ₁	Gen. Pathology, Lec.	6	By Appt.				
111 ₂	Gen. Pathology, Lab.				M-S	BS	210
115a-f	Independent Work, Lab.	4	By Appt.	M-S	BS	206	
120a, b, c	Hosp. Lab. Pract., Lab.	6, 4, 5	By Appt.		Hospital		
Courses open only to Graduate Students:							
201a-f	Research in Bact.	5	By Appt.		BS		Weaver
C206a ₁ , b ₁	Bact. of Foods, Lec.	3, 3	9:50- 10:40	M-S	BS	124	Weaver
C206a ₂ , b ₂	Bact. of Foods, Lab.						

Herbert P. Riley, Head of Department, NorH 105.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours 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 1b or 8b. **Required:** A minimum of 30 quarter hours 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 18.

*8a	Introduction to Botany	4	3	M-S	NORH	203	Riley
*8b	Introduction to Botany	4	4	M-S	NORH	203	Riley
*25	General Plant Biology	5	7:25-9:15	M-S	NORH	202	McInteer
19	Dendrology	3	3	M-F	NORH	202	McInteer

CHEMISTRY

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

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours 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, 20, 21a, 21b, 21c, and mathematics through the calculus. **Required:** 130a, 130b, 130c, 140a, 140b, 140c, 110a, 110b, 111, 133, 188a, 188b, 188c, and 15 quarter hours to be chosen from the field of Physical Science.

For prerequisites see catalog.

LOWER DIVISION REQUIREMENTS—See Page 18.

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor					
CHEMISTRY—Cont.												
*T1a ₁	General Chemistry, Lec.	5	8:25-9:40	MTWTh	KH	201	Staff					
*T1a ₁	General Chemistry, Rec.							8:25-9:15	S	KH	201	Staff
*T1a ₂	General Chemistry, Lab.							9:50-	MW	KH	101	Staff
*T1a ₂	General Chemistry, Lab.							12:30				
37	Organic Chemistry, Lec. & Lab.							6	1, 2	M-S	KH	101
						209						
21a ₁	Quant. Anal., Lec.	4	2 hrs. by Appt.		KH	111	Stewart					
21a ₂	Quant. Anal., Lab.							12 hrs. by Appt.	KH	113	Stewart	
Full Quarter Courses												
*1a ₁	General Chemistry, Lec. and Rec.	5	11:15-	MWF	KH	201	Staff					
*1a ₂	General Chemistry, Lab.							12:15				
*1b ₁	General Chemistry, Lec. and Rec.							9:50-	TTh	KH	101	Staff
*1b ₂	Gen. Chemistry, Lab.	5	1:30-2:30	MWF	KH	201	Staff					
3a ₁	Chem. for Nurses, Lec.		1:30-3:40	TTh	KH	101	Staff					
3a ₂	Chem. for Nurses, Lab.	4	8:00-9:00	MW	KH	B14	Wender					
3b ₁	Chem. for Nurses, Lec.		1:00-3:00	TTh	KH	101	Wender					
3b ₂	Chem. for Nurses, Lab.	4	7:00-8:00	MW	KH	B14	Wender					
20 ₁	Qual. Anal., Lec. and Rec.		7:00-9:00	TTh	KH	101	Wender					
20 ₂	Qual. Anal., Lab.	6	9:50-	MWF	KH	111	Grillot					
			10:50									
		6	1:00-3:00	MWF	KH	B1	Grillot					
Courses open only to Upper Division and Graduate Students:												
110b	Adv. Inorganic Chem.	3	9:50-	MWF	KH	B14	Watters					
140a	Physical Chem., Lec.	3	10:50									
141	Intermed. Physical Chem.	4	11:15-	MWF	KH	B14	Dawson					
			12:15									
144a	Physical Chem., Lab.	2	9:50-	MTThF	KH	B14	Dawson					
181	Chem. Literature, Lec.		10:50									
	Chemistry 133, 136a, 136b, and 290 will be offered either term or quarter on request.	1	1:30-4:20	TTh	KH	B17	Watters					
		1	1 hr. by Appt.		KH	111	Stewart					
ECONOMICS												

Economics Majors see Professor L. H. Carter, White Hall.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours 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 and 9. **Required:** A minimum of 28 quarter hours of advanced work in Economics, including Economics 102 or 130, 104 or 124, and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ECONOMICS—Cont.							
courses numbered above 100. In addition tutorial courses 16a, b must be taken in the senior year to prepare for the required comprehensive examination.							
LOWER DIVISION REQUIREMENTS—See Page 18							
*2	Economic History of Europe.....	4	1	M-S	WH	101	Bekker
*4	Resources and Industries	4	1	M-S	WH	303	Jennings
1	Principles of Economics	5	} { 7:25-8:15 } } { 8:25-9:15 }	} M-S	WH	102	Carter
Courses open only to Upper Division and Graduate Students:							
104	Public Finance	4	2	M-S	WH	103	Martin
	Prereq.: Econ. 1						
107	Statistical Method	4	1	M-S	WH	401	Carpenter
112a-d	Individual Work in Economics..	1		By Appt.			Staff
127	International Economic Policies	4	3	M-S	WH	205	Sullivan
	Prereq.: Econ. 1						
153	The Economics of Consumption	3	6	M-F	WH	303	Sullivan
Courses open only to Graduate Students:							
215	Survey of Economic Theory Since the Austrian School.....	4	4	M-S	WH	205	Wiest
EDUCATION							
A student in the College of Arts and Sciences may elect toward the A.B. or B.S. degree a total of 45 quarter hours from other colleges of the University.							
ENGINEERING							
A student in the College of Arts and Sciences may elect toward the A.B. or B.S. degree a total of 45 quarter hours from other colleges of the University.							
ENGLISH							
L. L. Dantzler, Head of Department, McVey Hall, Room 213.							
UPPER DIVISION REQUIREMENTS—Junior and Senior Years							
Requirements in the Field of Concentration: Sixty quarter hours of advanced work in the field of Literature, Philosophy, and the Arts. Required: A minimum of thirty quarter hours of advanced work in English.							
Requirements for a Major. Prerequisites: English 1a, 1b, 1c, 3a, 3b, 3c. Required: A minimum of thirty quarter hours of advanced work in English.							
LOWER DIVISION REQUIREMENTS—See Page 18.							
*1a ₁	English Composition, A&S 30....	3	7:00-8:15	M-F	McVH	200	
*1a ₂	English Composition, A&S 25, Ed. 5	3	8:25-9:40	M-F	McVH	200	
*1a ₃	English Composition, A&S 25, Ed. 5	3	} { 9:50- } } { 11:05 }	} M-F	McVH	200	
*1a ₄	English Composition	3					

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ENGLISH—Cont.							
*1a ₅	English Composition	3	1:30-2:45	M-F	McVH	200	
*1a ₆	English Composition	3	4:20-5:35	M-F	McVH	200	
*1a ₇	English Composition	3	4:20-5:35	M-F	McVH	231	
*T1b ₁	English Composition, A&S 25, Ed. 5	3	7:00-8:15	M-F	McVH	203	
*T1b ₂	English Composition, A&S 25, Ed. 5	3	8:25-9:40	M-F	McVH	203	
*T1b ₃	English Composition	3	{ 9:50- 11:05 }	M-F	McVH	203	
*T1b ₄	English Composition	3	{ 11:15- 12:30 }	M-F	McVH	203	
*1b ₅	English Composition	3	1:30-2:45	M-F	McVH	203	
*1b ₆	English Composition	3	4:20-5:35	M-F	McVH	210	
*T1c ₁	English Composition, A&S 25, Ed. 5	3	7:00-8:15	M-F	McVH	211	
*T1c ₂	English Composition, A&S 25, Ed. 5	3	8:25-9:40	M-F	McVH	211	
*T1c ₃	English Composition	3	{ 9:50- 11:05 }	M-F	McVH	206	
*T1c ₄	English Composition	3	1:30-2:45	M-F	McVH	211	
*1c ₅	English Composition	3	4:20-5:35	M-F	McVH	211	
*1c ₆	English Composition	3	4:20-5:35	M-F	McVH	230	
*6	The Essentials of Speech	3	7:00-8:15	M-F	McVH	204	Sterrett
	Not open to Freshmen:						
3a ₁	History of English Literature..	3	7:00-8:15	M-F	McVH	206	Ward
3a ₂	History of English Literature..	3	8:25-9:40	M-F	McVH	206	Ward
3b	History of English Literature..	3	7:00-8:15	M-F	McVH	207	Cutler
3c	History of English Literature..	3	8:25-9:40	M-F	McVH	207	Cutler
33	Expressive Reading	5	7:00-8:15	M-S	Guignol		Briggs
38	Oral Interpretation	5	8:25-9:40	M-F	McVH	204	Sterrett
	Courses open only to Upper Division and Graduate Students:						
	(Prerequisites, Eng. 1a, b, c, 3a, 3b, 3c.)						
C102	History of the English Language	4	{ 9:50- 11:05 }	M-S	McVH	211	Dantzler
C116	The Contemporary Drama	4	{ 11:15- 12:30 }	M-S	McVH	230	Farquhar
160	Theory and Technique of Acting	4	8:25-9:40	M-S	Guignol		Briggs
	Courses open only to Graduate Students:						
C201a	Literary Criticism	4	8:25-9:40	M-S	McVH	230	Farquhar
C217a	Seminar (Studies in Contemporary American Literature)....	4	2:55-4:10	M-S	McVH	200	Knight
Full Quarter Courses							
*1a ₁	English Composition, Engr. 30..	3	7:15-8:15	MWF	McVH	209	
*1a ₂	English Composition, Engr. 30..	3	8:25-9:25	TThS	McVH	209	
*1a ₃	English Composition, Engr. 30..	3	1:00-2:00	MWF	McVH	209	
*1a ₄	English Composition, Engr. 30..	3	2:10-3:10	MWF	McVH	209	

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ENGLISH—Cont.							
*1b ₁	English Composition, Engr. 30..	3	7:15-8:15	MWF	McVH	210	
*1b ₂	English Composition, Engr. 30..	3	7:15-8:15	MWF	McVH	230	
*1b ₃	English Composition, Engr. 30..	3	8:25-9:25	TThS	McVH	210	
*1b ₄	English Composition, Engr. 30..	3	8:25-9:25	TThS	McVH	231	
*1c ₁	English Composition, Engr. 30..	3	7:15-8:15	TThS	McVH	209	
*1c ₂	English Composition, Engr. 30..	3	{ 9:50- }				
			{ 10:50 }	MWF	McVH	231	
*1c ₃	English Composition, Engr. 30..	3	{ 11:15- }				
			{ 12:15 }	TThS	McVH	231	
*1c ₄	English Composition, Engr. 30..	3	2:10-3:10	MWF	McVH	231	
GEOGRAPHY							

J. R. Schwendeman, Head of Department, Room 320, Biological Science Bldg.
UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours of advanced work in the field of Social Studies and certain closely allied physical science fields.

Requirements for a Major. Prerequisites: Geography 1a and 1b; either Geography 2 or 10. A minimum of 24 hours of advanced work is required of which 16 hours will be in regional geography. The 8 additional hours may be four hours in Cartography and four hours of field study and report. This latter selection will be especially for those planning graduate or professional work in geography.

LOWER DIVISION REQUIREMENTS—See Page 18.

*1a	Elements of Geography	4	1	M-S	BS	224	Schwendeman
*2	Regional Geography of the World	4	3	M-S	BS	224	Schwendeman
Courses open only to Upper Division and Graduate Students:							
101	Geography of North America....	4	2	M-S	BS	224	Hutter
104	Geography of Europe and Africa	4	4	M-S	BS	224	Hutter
Full Quarter Course							
*10	Economic Geography (For Engineers)	4	{ 11:15- }	TTh			Schwendeman and Hutter
			{ 12:15 }	FS	BS	224	
GEOLOGY							

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

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Required: Geology 10a, b, c; 30a, b, c; 31a, b; 101a, b, c; 106a, b; 107a, b, c; 123a, b; 118a or 118b; and 124a, b, c. **Field work:** An early summer field trip, Geology 118a-d, is required of major students for gradu-

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
------------	---------	-----------	------	------	----------	----------	------------

ation. This covers three weeks' work in selected regions. Local field work is offered throughout the year, and it is recommended that all major students take a summer course in field geology and geological methods. Such courses, varying from four to six weeks in length, are offered by a number of institutions.

Students majoring in Geology are required to pass a final comprehensive examination in the department.

LOWER DIVISION REQUIREMENTS—See Page 18.

GEOLOGY—Cont.							
*23a	El. Field Work in Regional Geology	3	June 5 to 23rd				McFarlan and Nelson
118a-d	Field Work in Regional Geology	3	June 5 to 23rd				McFarlan and Nelson
*50a	Outlines of Geology	3	3	M-F	MH	203	
*14a	Elementary Field Geology	1	1:00-5:00	W	MH	203	
*14b	Elementary Field Geology	1	1:00-5:00	Tues.	MH	203	
Courses open only to Upper Division and Graduate Students:							
105a-f	Independent Work in Geology..	4	By Appt.				
GERMAN LANGUAGE AND LITERATURE							

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

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours 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 27 quarter hours of advanced work, independent of tutorial courses. Major students are required to enroll in tutorial courses, giving one hour credit for each of two quarters in the junior year, and two hours in the senior year, and to pass a comprehensive examination.

Note.—No credit is given when work done in High School is repeated. One year of High School language is considered the equivalent of one quarter of University language study. No credit will be given for German 1a until German 1b has been completed. No student should enroll in two beginning language courses at the same time. A proficiency examination must be passed as in any foreign language.

LOWER DIVISION REQUIREMENTS—See Page 18.

*C1a	Elementary German	4	2	M-S	MH	302	Whitaker
*C1b	Elementary German, Prereq. 1a	4	2	M-S	MH	310	Bigge
2a ₁	Intermediate German (Literary), Prereq. 1b	4	3	M-S	MH	310	Bigge
2a ₂	Intermediate German (Scientific), Prereq. 1b.....	4	3	M-S	MH	302	Hegeman
2b	Intermediate German, Prereq. 2a	4	4	M-S	MH	302	Hegeman

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
	GERMAN LANGUAGE AND LITERATURE—Cont.						
3a	Selected Readings, Prereq. 2b... Courses open only to Upper Division and Graduate Students:	4		By Appt.		303A	Bigge
106a	Scientific German, Prereq. 2b....	4		By Appt.		303B	Whitaker
105a-d	Independent Work in German...	4		By Appt.	MH	303A	Staff
	HISTORY						

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

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours of advanced work in the field of Social 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 5a and 5b. **Required:** A minimum of 27 quarter hours of advanced courses in History. Should include the Senior Seminar.

LOWER DIVISION REQUIREMENTS—See Page 18.

‡*C8a ₁	European Civilization to 1789....	4	1	M-S	FH	201	Carson
‡*C8a ₂	European Civilization to 1789....	4	2	M-S	FH	204	Lunde
‡*C8b	European Civilization Since 1789	4	4	M-S	FH	301	
‡*C4b	Modern Europe Since the French Revolution	4	3	M-S	FH	204	
‡*C10a ₁	American Civilization 1607-1865	4	2	M-S	FH	202	Stephenson
‡*C10a ₂	American Civilization 1607-1865	4	3	M-S	FH	202	Hopkins
‡*C10b	American Civilization Since 1865	4	1	M-S	FH	202	Wall
‡*C5a	History of the United States Through 1865	4	4	M-S	FH	201	Hopkins
‡*C5b	History of the United States Since 1865	4	1	M-S	FH	301	England
*C2a	History of British People to Restoration	4	2	M-S	FH	301	England
40	History of Kentucky	4	1	M-F	FH	204	Clark
	Courses open only to Upper Division and Graduate Students:						
100b	The Diplomacy and Foreign Policy of the United States Since 1898	4	2	M-S	FH	201	Vandenbosch
119b	Europe in the 19th Century	4	4	M-S	FH	202	Lunde
145	Russia Since 1900	4	3	M-S	FH	302	Carson
147	Recent History of the U. S.....	4	3	M-S	FH	201	Wall
180c	History of the New South	4	4	M-S	FH	204	Clark

‡ Note.—History 8a and 8b duplicate Pol. Sci. 8a and 8b and History 4a and 4b. History 10a and 10b duplicate Pol. Sci. 10a and 10b and 51, and History 5a and 5b.

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
	HISTORY—Cont.						
281	Courses open only to Graduate Students: American Historiography	3	3	M-F	FH	201	Stephenson
	Full Quarter Course						
*30	Rise of the American Nationality 1607 to present (For Engineers, not open to students who have had Hist. 5a or 5b)	5	{ 11:15- 12:15 }	M-F	FH	201	Wall
	HOME ECONOMICS						
	HYGIENE AND PUBLIC HEALTH						

A student in the College of Arts and Sciences may elect toward the A.B. or B.S. degree a total of 45 quarter hours from other colleges of the University.

Dr. J. S. Chambers, Head of Department, Health Building 103.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Requirements for a Major. Prerequisite: Eighteen quarter hours in Biological Sciences. **Required:** Bacteriology 103 or its equivalent; a minimum of 22 quarter hours of advanced work in Hygiene and Public Health.

LOWER DIVISION REQUIREMENTS—See Page 18.

*9	Hygiene for Teachers	3	3	M-F	McVH	104	Heinz
	Courses open only to Upper Division and Graduate Students:						
C100a	Public Health	3	4	M-F	McVH	104	Heinz
111a-d	Independent Work in Hygiene and Public Health	4	By Appt.		HB	104	Heinz
	JOURNALISM						

Niel Plummer, Head of Department, McVey Hall 55.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in Field of Concentration: Sixty quarter 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, 100b, 101a, 101b, 105, 106, 107, 108, 109a, 109b, 123a, 123b, and 127. Comprehensive examination.

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

LOWER DIVISION REQUIREMENTS—See Page 18.

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
JOURNALISM—Cont.							
*2	Introduction to Journalism	3	2	M-F	McVH	53	Plummer
10a	Survey of Journalism	4	3	M-S	McVH	54	McLaughlin
22	Principles of News Writing.....	4	3	M-S	McVH	66	Tucker
Courses open only to Upper Division and Graduate Students:							
112	Critical Writing for the Press....	4	4	M-S	McVH	54	McLaughlin
123b	Feature Writing	3	2	M-F	McVH	66	Tucker
Full Quarter Course							
127	Reporting Public Affairs.....	3	3	MTWTF	McVH	53	Plummer
LAW							

A student in the College of Arts and Sciences may elect toward the A.B. degree a total of 45 quarter hours from other colleges of the University. However election of law courses is restricted. For the combined Arts-Law course see University catalog.

LIBRARY SCIENCE

Margaret I. King, Acting Head of Department, University Library 313.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours of advanced work in the field of Literature, Philosophy, and the Arts (or acceptable equivalent) during the junior and senior years, including the major.

Requirements for a Major. Prerequisite: Senior standing. **Required:** 45 quarter hours in Library Science, or full curriculum advised.

LOWER DIVISION REQUIREMENTS—See Page 18.

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
Courses open only to Upper Division and Graduate Students:							
126	Place, Function, and Administration of the Library	5	7:50-9:40	M-S	UL	411	
129b	Cataloging and Classification....	4	3	M-S	UL	314	
Prerequisite: L. S. 129a							
133a	Reference and Bibliography	3	4	M-F	UL	314	Martin
139	Field Work	3	As arranged		UL	314	Galloway and Martin
Prerequisites: L. S. 126, 129a, b, 133a, b, 144, 150a, b							
150b	Book Selection	4	2	M-S	UL	314	Martin
MATHEMATICS AND ASTRONOMY							

Paul P. Boyd, Head of Department, McVey 120 or Administration 109.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
Requirements for a Major. Prerequisites: Courses 2, 3, 17, 19, 20a, 20b. Required: A minimum of 27 quarter hours of advanced work in Mathematics, including one course in Algebra, one in Geometry, one in Analysis, and one in Applications. Major students are required to enroll in tutorial courses during the last 4 quarters of the junior and senior years and to pass a final comprehensive examination in Mathematics.							
MATH. & ASTRON.—Cont.							
Courses open only to Upper Division and Graduate Students:							
106a	Advanced Calculus	4		By Appt.	McVH	129	} South
or 132	The Calculus of Finite Differences	4		By Appt.	McVH	100	
107	Projective Geometry	4		By Appt.	McVH		
or 119	Modern Geometry	4		By Appt.			
118	Solid Analytics	4					} Latimer
or 211	Higher Algebra	4		By Appt.	McVH	106	
110a-f	Ind. Work in Mathematics	4		By Appt.	McVH		Staff
Full Quarter Courses							
*c2 ₁	Solid Geometry	3	1:00-2:00	MWF	McVH	103	Riggs
*c2 ₂	Solid Geometry	3	2:10-3:10	MWF	McVH	104	White
*3 ₁	Plane Trigonometry	5	7:15-8:15	M-F	McVH	109	Crawley
*3 ₂	Plane Trigonometry	5	7:15-8:15	M-F	McVH	106	Rose
*3 ₃	Plane Trigonometry	5	8:25-9:25	M-F	McVH	106	Rose
*3 ₄	Plane Trigonometry	5	8:25-9:25	M-F	McVH	103	Riggs
*5a ₁	College Algebra	4	7:15-8:15	MTThF	McVH	128	Knifley
*5a ₂	College Algebra	4	8:25-9:25	MTThF	McVH	109	Crawley
*5a ₃	College Algebra	4	1:00-2:00	MTThF	McVH	104	White
*5b ₁	College Algebra	4	7:15-8:15	MTThF	McVH	107	} Brown and } South
					McVH	129	
*5b ₂	College Algebra	4	7:15-8:15	MTThF	McVH	103	Riggs
*5b ₃	College Algebra	4	8:25-9:25	MTThF	McVH	104	White
*17 ₁	College Algebra	5	7:15-8:15	M-F	McVH	104	White
*17 ₂	College Algebra	5	1:00-2:00	M-F	McVH	106	Rose
*19 ₁	Plane and Solid Anal. Geometry	5	{ 9:50-}				} Riggs
			{ 10:50 }	M-F	McVH	103	
			{ 11:15-}				
*19 ₂	Plane and Solid Anal. Geometry	5	{ 12:15 }	M-F	McVH	107	Brown
*19 ₃	Plane and Solid Anal. Geometry	5	1:00-2:00	M-F	McVH	129	South
*19 ₄	Plane and Solid Anal. Geometry	5	1:00-2:00	M-F	McVH	100	} Pence and } Downing
					McVH	128	
20a ₁	Differential Calculus	5	{ 11:15-}		McVH	106	} Latimer and } Downing
			{ 12:15 }	M-F	McVH	128	
20a ₂	Integral Calculus	5	2:10-3:10	M-F	McVH	107	Brown
20b	Integral Calculus	5	2:10-3:10	M-F	McVH	100	} Pence and } South
					McVH	129	
MILITARY SCIENCE							
Col G. T. Mackenzie, Head of Department, Barker Hall 101							
Full Quarter Courses							
7c ₁₁	First Year Advanced Course, ROTC	4	7:00-8:15	M-F	BH	206	Staff

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
	MILITARY SCIENCE—Cont.						
7c ₂₁	First Year Advanced Course, ROTC	4	8:25-9:40	M-F	BH	206	Staff
7c ₂₁	First Year Advanced Course, ROTC	4	{ 9:50- 11:05 }	M-F	BH	206	Staff
7c ₂₁	First Year Advanced Course, ROTC	4	{ 11:15- 12:30 }	M-F	BH	206	Staff
	MUSIC						

Alexander Capurso, Head of Department, Art Center, Room 18.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

Music Requirements for a Major. Prerequisites: Junior standing; Music A, 12a, b; 33a, b, c; Applied Music, 18 quarter hours. **Required:** A minimum of 22 quarter hours of advanced work in music in 19a, b; 34a, b, c; 114a, b; or 115 (depending on instrumental or choral major), and Applied Music. Other courses, such as Music 4a, b; Music 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.

Participation in Musical Groups: All music majors are required to participate in either the Orchestra or Glee Club without credit during the freshmen and sophomore years. However, credit will be allowed freshmen and sophomores for one of these courses if the student participates in both organizations concurrently. During the junior and senior years credit is allowed for participation in either or both of these groups.

Fees for Applied Music: Tuition for both regularly enrolled University students and non-University students is extra—\$15 for each quarter hour's credit: organ practice \$12 for one hour's practice daily or \$24 for two hours' practice daily, per quarter; use of practice room \$4.00 per quarter; use of instruments for brass, woodwind, and string classes \$2.50 per quarter per course. Enrollment fee for non-University students (in addition to above fees), \$10 per quarter. **All fees payable within thirty days after registration.**

*Mus. A	An Introduction to the Humanities Through the Study of Music (For both Music Majors and non-Music Majors)	3	2	M-F	AC	18	Capurso
*12a	Counterpoint	3	2	M-F	AC	19	Horton
	Applied Music						
*15a-L	Applied Music—Piano	2		By Appt.	AC	{ 7	Peniston
*c15a-L	Applied Music—Piano	1		By Appt.	AC	{ 18	Cullis
*17a-L	Applied Music—Voice	2		By Appt.	AC	{ 7	Peniston
*c17a-L	Applied Music—Voice	1		By Appt.	AC	{ 18	Cullis
*18a-L	Applied Music—Organ	2		By Appt.	MeH	Aud	Cullis
*c18a-L	Applied Music—Organ	1		By Appt.	MeH	Aud	Cullis
*39a-L	Glee Club (Mixed)	1	6	MTW	AC	19	Lewis

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
MUSIC—Cont.							
Theory Courses							
*20a	Survey of Musical Literature (for non-Music Majors)	3	3	M-F	AC	18	Capurso
34c	Advanced Harmony, Sight-singing, and Dictation	4	3	M-S	AC	19	Horton
42	Seminar	1	5, 6	F	AC	18	Capurso
Methods Courses							
4a	Public School Music	3	5	M-F	AC	17	Lewis
4b	Public School Music	3	3	M-F	AC	17	Lewis
26	High School Methods	3	4	M-F	AC	17	Lewis
Courses open only to Upper Division and Graduate Students:							
111a	Research Problems in Music....	3	By Appt.		AC	18	Capurso
115	Choral Methods and Conducting	3	2	M-F	AC	17	Lewis
PHILOSOPHY							

John Kuiper, Head of Department, Frazee Hall 103.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours of advanced work including the major courses, which may be elected in either (1) the Field of Literature, Philosophy, and the Arts, or (2) the field of Social Studies.

Requirements for a Major. Prerequisites: Eight quarter hours of Philosophy. **Required:** A minimum of twenty-two quarter hours of advanced work in Philosophy; Philosophy 35a-b-c and a comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 18.

*A	Introduction to the Humanities Through the Study of Phil....	3	5	M-F	FH	205	Kuiper
51	Ethics	4	2	M-S	FH	205	DeBoer
21	Introduction to Philosophy	4	3	M-S	FH	205	Kuiper
Courses open only to Upper Division and Graduate Students:							
120	Great Religions of the World..	4	4	M-S	FH	205	DeBoer
PHYSICAL EDUCATION							

M. E. Potter, Head of Department, Alumni Gymnasium

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in Field of Concentration: Sixty quarter hours of advanced work in the field of Biological Sciences, including the major work.

Requirements for a Major. Prerequisites: Zoology 1a, b, c; for Men, Physical Education 30, 31, 32, 33, 34, 35; for Women, Physical Education 30, 31, 32, 36, 37, 38. **Required:** Physical Education 123, 125 (for women, 115) 60 a, b, c, Anatomy and Physiology 4 and 5 and Hygiene 7. Minimum on Major 22 credits. Comprehensive examination senior year.

For teacher certification requirements, check with Dean of Education College and Head of Department of Physical Education.

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
PHYSICAL EDUCA.—Cont.							
LOWER DIVISION REQUIREMENTS—See Page 18.							
C42	Physical Education in the Elementary School	4	1	M-S	WG		Lankford
Courses open only to Juniors, Seniors, and Graduate Students:							
131	Advanced Basketball	3	2	M-F	MG		Rupp
120b	Kinesiology	3	3	M-F	MG		Hackensmith
125	Administration and Organization of Recreation	4	4	M-S	FH	105	Lankford
Courses open only to Upper Division and Graduate Students:							
123	History and Principles of Physical Education	5	7:25-8:15	M-S	FH	205	
151	Organization of Intramural Sports	3	3	MWThF	FH	105	
Courses open only to Graduate Students:							
200	Graduate Seminar in Physical Education	3		By Appt.	MG		
202	Problems Course in Contemporary Movements in Physical Education	4	4	M-F	MG		
203	Current Studies in the Administration of Physical Education	3	2	MTWF	MG		Potter
204	Current Studies in the Administration of Athletics	3	3	MTWF	MG		Potter
Full Quarter Courses							
*1 ₁	Sports Skills and Phys. Fitness	1	8:25-9:25	MWF	GA		Staff
*1 ₂	Sports Skills and Phys. Fitness	1	2:10-3:10	MWF	GA		Staff
*2	Tap Dancing	1	1:00-2:30	TTh	WG		Staff
*7	Golf	1	2:00-3:30	F	MG		Staff
*9 ₁	Softball	1	4:00-5:30	TTh	MG		Staff
*9 ₂	Softball	1	8:25-9:25	MWF	GA		Staff
*11	Tennis	1	2:00-3:00	MWF	MG		Staff
*13	Fencing	1	3:00-4:00	MWF	GA		Staff
*14	Volleyball	1	{ 12:30- }				
			1:30	MWF	GA		Staff
*18	Archery	1	2:00-3:00	MWF	GA		Staff
*19	Folk Dancing	1	7:00-9:00	M	WG		Staff
*20	Badminton	1	3:00-4:00	MWF	GA		Staff
*21	Recreational Sports	1	{ 11:15- }				
			12:15	TThS	GA		Staff
*27	Modern Dance	1	2:30-4:00	TTh	WG		Staff
	Ball Room Dancing	No cr.	4:00-6:00	TTh	WG		Staff

Recreation Courses: Summer Session students desiring to take part in sports activities without credit may enroll in the above listed courses as auditors.

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
PHYSICS							
W. S. Webb, Head of Department, Pence Hall 101.							
UPPER DIVISION REQUIREMENTS—Junior and Senior Years							
Requirements in the Field of Concentration: Sixty quarter hours of advanced work in the field of Physical Sciences, including the major work.							
Requirements for a Major. Prerequisites: Physics 3a, 3b, 3c; Mathematics 17, 3, and 19. Required: Mathematics 20a, 20b; Physics 125c, and a minimum of 22 quarter hours of advanced work in Physics; and a comprehensive examination in the senior year.							
LOWER DIVISION REQUIREMENTS—See Page 18.							
*51	Introduction to Physics	3	3	M-F	PENCE	201	Webb
7a ₁	Gen. Elem. Phys., Lec. & Rec. }	7	{ 1, 2	MWFS	PENCE	201	Warburton
7a ₁₁	Gen. Elem. Phys., Lab. }						
Course open only to Upper Division and Graduate Students:							
114	Vacuum Tubes and Circuit Theory	4	3	M-S	PENCE	205	Crawley
Other advanced courses will be given as the need for them arises.							
Full Quarter Courses							
*52	Introduction to Physics	3	7:15-8:15	MWF	PENCE	201	Webb and Koppius
3a ₁	Gen. Col. Phys., Lec. and Rec. }	6	{ 7:15-8:15	MWThF	PENCE	103	
3a ₁₁	Gen. Col. Phys., Lab. }						
3a ₂	Gen. Col. Phys., Lec. and Rec. }	6	{ 7:15-8:15	MTThS	PENCE	205	Crawley
3a ₂₁	Gen. Col. Phys., Lab. }						
3b ₁	Gen. Col. Phys., Lec. and Rec. }	6	{ 9:50-10:50	MWThF	PENCE	206	
3b ₁₁	Gen. Col. Phys., Lab. }						
3b ₂	Gen. Col. Phys., Lec. and Rec. }	6	{ 7:15-8:15	MWThF	PENCE	206	Pardue
3b ₂₁	Gen. Col. Phys., Lab. }						
125c	Individual Work in Physics.....	4		By Appt.			Pardue
215	Quantum Theory	4		By Appt.			Pardue
POLITICAL SCIENCE							

Amry Vandebosch, Head of Department, Administration 202.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

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

* Open to Freshmen.

† First Summer Term—Webb; Second Summer Term—Koppius.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
POLITICAL SCIENCE—Cont.							
<p>Requirements for a Major. Prerequisites: Political Science or History 10a and 10b. 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 twenty-four quarter hours of advanced work in Political Science; and a comprehensive examination in the senior year.</p>							
LOWER DIVISION REQUIREMENTS—See Page 18.							
‡*C8a	European Civilization to 1789....	4	3	M-F	A	203	
‡*C8b ₁	European Civilization since 1789	4	4	M-F	A	302	Trimble
‡*C10a	American Civilization 1607-1865	4	2	M-F	A	203	
‡*C10b	Amer. Civilization since 1865....	4	2	M-F	A	301	Shannon
*C15	Problems of Citizenship	4	4	M-F	A	301	Edelmann
*C51	American Government	4	4	M-F	A	203	Manning
Courses open only to Upper Division and Graduate Students:							
C150	International Law	4	1	M-F	A	203	Vandenbosch
C159a	American Constitutional Development	4	2	M-F	A	302	Trimble
*165	World Politics	4	3	M-F	A	301	Edelmann
C177a	Principles of Public Administration	4	3	M-F	A	203	Manning
Course open only to Graduate Students:							
C206	Special Problems in Public Administration	4	4	M-F	A	202	Shannon
Full Quarter Courses							
*15	Problems of Citizenship	5	1:00-2:00	M-F	A	203	Reeves
*51	American Government	5	2:10-3:10	M-F	A	203	Reeves
PSYCHOLOGY							

M. M. White, Head of Department, Neville Hall 106.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements for a Major. Prerequisites: A minimum of 10 quarter hours in Psychology, including Psychology 1 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 22 of the 60 quarter hours in the field must be courses in Psychology not open to freshmen.

LOWER DIVISION REQUIREMENTS—See Page 18.

*2	Applied Psychology. Prereq.: Psychology 1	4	2	M-S	Eng	232	Mellenbruch
*6	Personality. Prereq.: Psy. 1.....	4	3	M-S	Eng	232	Newbury
7	Psychology of the Child. Prereq.: Psychology 1	4	1	M-S	Eng	232	Humphreys

‡ Note: Pol. Sci. 8a and 8b duplicate History 8a, 8b and 4a and 4b, Pol. Sci. 10a and 10b duplicate History 10a, 10b, 5a, 5b and P. S. 51.

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
PSYCHOLOGY—Cont.							
8	Individual Differences. Prereq.: Psychology 1 Courses open only to Upper Division and Graduate Stu- dents:	4	4	M-S	Eng	232	Newbury
101	Practice in Testing: Intelli- gence Tests. Prereq.: Psy. 8	3	1	M-S	NH	205	Mellenbruch
113	Psychology of Learning. Prerequisite: Psy. 1	3	By Appt.		NH	204	Warren
114	Abnormal Psychology. Prerequisite: Psy. 1	4	2	M-S	Eng	236	Dimmick
106	Industrial Psychology. Prerequisite: Psy. 1	4	3	M-S	Eng	236	Beaumont
120a-d	Independent Work in Psych- ology (Prereq.: Major in De- partment with a standing of 2 in Psy. courses)	3	By Appt.		NH	204	Warren
Full Quarter Courses							
*1 ₁	Introduction to Psychology (Engineering)	6	7:15-8:15	M-S	NH	112	Warren
*1 ₂	Introduction to Psychology (Engineering)	6	8:25-9:25	M-S	NH	112	Beaumont
*1 ₃	Introduction to Psychology.....	6	{ 9:50- }	M-S	NH	112	Humphreys
*1 ₄	Introduction to Psychology.....	6	{ 10:50- }	M-S	NH	112	Humphreys
			{ 11:15- }	M-S	NH	112	Dimmick
			{ 12:15 }	M-S	NH	112	Dimmick
ROMANCE LANGUAGES							

Hobart Ryland, Head of Department, Miller Hall 301.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter 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. Prerequisite: 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. **Required:** A minimum of 22 quarter hours of advanced work in Romance Languages; R. L. 80a, b, c; comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS—See Page 18.

*C1a	Elementary French	4	1	M-S	MH	307	Ryland
*C1b	Elementary French	4	2	M-S	MH	308	Schick
*C5a	Elementary Spanish	4	3	M-S	MH	309	Server
*C5b	Elementary Spanish	4	4	M-S	MH	307	Hernandez
2a	Intermediate French	4	4	M-S	MH	309	Niess
2b	Intermediate French	4	2	M-S	MH	307	Ryland
7a	Intermediate Spanish	4	1	M-S	MH	309	
7b	Intermediate Spanish	4	2	M-S	MH	309	
6a	French Novel and Drama	4	3	M-S	MH	308	Schick
9a	Spanish Novel and Drama	4	3	M-S	MH	307	Hernandez

* Open to Freshmen.

FIRST TERM—SUMMER 1946

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
80a, b, c	ROMANCE LANGS.—Cont. Tutorial Seminar	1		By Appt.			Staff
	Courses open only to Juniors, Seniors, and Graduate Students:						
108a	Spanish American Literature....	4	2	M-S	MH	306b	Server
116a	French Literature of the XXth Century	4	3	M-S	MH	306b	Niess
114a-f	Independent Work	4		By Appt.			Staff
	SOCIAL WORK						

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

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours of advanced work in the field of social study and the biological sciences during the junior and senior years, including the major work in the department.

Requirements for a Major: A minimum of twenty-two hours in social work with additional courses in psychology and the social studies. Students desiring the major should consult the department as early as possible for guidance in establishing a broad background for specialization.

LOWER DIVISION REQUIREMENTS—See Page 18.

	Courses open only to Upper Division and Graduate Students:						
122	Fields of Social Work	4	1	M-S	McVH	326	Wetzel
105	Child Welfare Services	4	3	M-S	McVH	326	Wetzel
127a, b, c	Tutorial Work in Soc. Work....	1	(To be arranged)				Wetzel
C113	Generic Social Case Work I....	3	2	M-F	McVH	326	
	Courses open only to Graduate Students:						
217	Generic Social Case Work II....	2	(To be arranged)				
	SOCIOLOGY						

Irwin T. Sanders, Head of Department, Frazee Hall 102.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements for Field of Concentration: Sixty quarter hours of advanced work in the field of Social Studies during the junior and senior years, including the major work.

Requirements for a Major. Prerequisite: Sociology 1 and one of the following: 2, 7, 18. **Required:** A minimum of 22 quarter hours of advanced work in Sociology, including at least 8 quarter hours in Theory and Methodology, 8

* Open to Freshmen.

Note.—No University credit for duplicating work done in languages in High School. One year of High School language study is considered to be the equivalent of one quarter of University language study. Example: A student having had two years of High School French should take R. L. 2a.

FIRST TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
SOCIOLOGY—Cont.							
quarter hours in one of the other subdivisions below, and Sociology 20a, b, c. Comprehensive examination in senior year.							
LOWER DIVISION REQUIREMENTS—See Page 18.							
*C2 ₁	Modern Social Problems	4	1	M—S			Montgomery
*C2 ₂	Modern Social Problems (for Nurses)	2					Holmes
*7	Social Institutions	4	2	M—S			Visiting Professor
20a	Tutorial	1	5	TW			Anderson
25	Collective Behavior	4	2	M—S			Visiting Professor
Courses open only to Upper Division and Graduate Students:							
105	Social Theory: Plato to Comte	4	3	M—S			Anderson
112	The Community	4	4	M—S			Anderson
ZOOLOGY							

W. D. Funkhouser, Head of Department, Biological Sciences Bldg. 14.

UPPER DIVISION REQUIREMENTS—Junior and Senior Years

Requirements in the Field of Concentration: Sixty quarter hours 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 1a, 1b, 1c. **Required:** Zoology 7a, b, c, or 157a, b, c; Zoology 106; Zoology 108a, b; Zoology 114a, b, c; a minimum of twenty-two quarter hours work above 1a, b, c, passing a comprehensive examination before graduation.

*1a ₁	General Zoology, Lec.	4	{	3	M—F	BS	B8	Allen
*1a ₂	General Zoology, Lab.			4	M—F			
Courses open only to Upper Division and Graduate Students:								
101a ₁	Histology, Lec.	4	{	2, 3	S	BS	125	Brauer
101a ₂	Histology, Lab.			2, 3	M—F			
105 ₁	Parasitology, Lec.	5	{	5, 6	M—F	BS	125	Lincicome
105 ₂	Parasitology, Lab.							
108a	Principles of Zoology (Evolution)	3		4	M—F	BS	200	Funkhouser
108b	Prin. of Zoology (Heredity).....	3		4	M—F	BS	200	Funkhouser
110a-d	Independent Work	4		By	Appt.			Staff
Full Quarter Courses								
*25 ₁	General Animal Biology, Rec....	5	{	2	TTh	BS	B3	Muller
*25 ₂	General Animal Biology, Lab....			2	MWF			

* Open to Freshmen.

FIRST TERM—SUMMER 1946
COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Thomas Poe Cooper, Dean
 Levi Jackson Horlacher, Assistant Dean

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
AGRICULTURAL ENTOMOLOGY							
104	Economic Entomology: Farm Crop Insects and Animal Parasites	4	4	D	Agr	103	Townsend
AGRONOMY							
1	Elementary Farm Crops	5	1, 2	M-F	Agr	304	Templeton
2	Market Grain Grading and Grain Judging	3	4	D	Agr	304	Templeton
104	Advanced Crops: Forage Crops	4	3	D	Agr	304	Fergus
ANIMAL INDUSTRY							
1	Farm Livestock Production	5	3, 4	M-F	SP	101	Pifer
41	Farm Poultry Production	4	2	D	SP	101	Wightman
61	Genetics	4	3	D	D	113	Steele
C141	Advanced Poultry Production....	4	1	D	SP	101	Wightman
ANIMAL PATHOLOGY							
C103	Animal Hygiene	3	2	M-F	AP	112	Dimock and Hull
FARM ENGINEERING							
4b	Farm Shop	3	5, 6	M-Th	AE	106	Young
101a	Special Problems (Shop) (July 5 to 20)	4	2-4	D	AE	106	Young
HORTICULTURE							
1	General Horticulture	3	5	M-F	Agr	1	Olney
120	Landscape Gardening (June 17-July 3)	4	2-6	M-F	Agr	205	Elliott
MARKETS AND RURAL FINANCE							
110	Agricultural Prices	3	1	M-F	Agr	4	Card
HOME ECONOMICS							
2	Nutrition and Public Health....	3	5	M-F	HE	204	Wooldridge
5	Foods	5	1, 2	M-F	HE	200	Barkley
6	Foods	4	3, 4	M-F	HE	201	Barkley
25	Textiles	3	3	M-F	HE	302	Sumner
27	Clothing	5	1, 2	D	HE	308	Sumner
41	Institution Marketing	4	1	D	HE	9	Helton
101	Principles of Nutrition	4	1	D	HE	128	Erikson
102	Dietetics	6	3, 4	D	HE	204	Wooldridge

FIRST TERM—SUMMER 1946
COLLEGE OF AGRICULTURE AND HOME ECONOMICS—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
	HOME ECONOMICS—Cont.						
114	Food Preservation	3	3, 4	M-Th	HE	200	Helton
126	Advanced Costume Design	4	1, 2	M-Th	HE	300	Seeds
127	Advanced Clothing	4	5, 6	M-Th	HE	307	Latzke
137	Advanced Clothing Problems.....	4	3, 4	M-Th	HE	307	Seeds
152	Child Care and Development	5	5, 6	M-Th	HE	105	Bentley
154	Family Living	4	4	D	HE	105	Mumford
161	Consumer Problems	4	2	D	HE	128	Wilmore
162b	Home Management and Family Rel.	5	By	Appt.			Wilmore

FIRST TERM—SUMMER 1946
COLLEGE OF ENGINEERING
 James Hiram Graham, Dean
 Daniel Voiers Terrell, Assistant Dean

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
Full Quarter Courses							
CIVIL ENGINEERING							
12 ₁	Plane Surveying	4	{ 9:50- 10:50 }	MWF	Eng	205	Shaver
12 ₁₁	Plane Surveying, Field		{ 1:00- 5:30 }	T	Eng	205	Shaver
12 ₂	Plane Surveying	4	{ 11:15- 12:15 }	MWF	Eng	205	Shaver
12 ₁₂	Plane Surveying, Field		{ 1:00- 5:30 }	Th	Eng	205	Shaver
12 ₃	Plane Surveying	4	{ 1:00- 2:00 }	MWF	Eng	205	Shaver
12 ₁₃	Plane Surveying, Field		{ 7:15- 12:15 }	S	Eng	205	Shaver
81	Testing Materials	2	4 hrs. by Appt.		Eng	108	Chambers
110a	Reinforced Concrete	6	8 hrs. by Appt.		Eng	214	Carrel
120	Hydraulics	3	8:25-9:25	MWF	Eng	206	Cheek
123	Hydraulics Laboratory	2	4 hrs. by Appt.		Eng	108	Cheek
173a	Steel Structures	4	10 hrs. by Appt.		Eng	216	Carrel
ELECTRICAL ENGINEERING							
11	Electrical Laboratory	1	2 hrs. by Appt.		Eng	130	Barnett and Romanowitz
21	Principles of Electrical Engineering	6	7 hrs. by Appt.		Eng		Bureau
101	Fundamentals of Electrical Machinery	4	6 hrs. by Appt.		Eng		Barnett
110b	Electrical Laboratory	1	2 hrs. by Appt.		Eng		Barnett
151a	Seminar	1	2 hrs. by Appt.		Eng		Staff
161	Radio Engineering	4	6 hrs. by Appt.		Eng		Romanowitz
165	Radio Engineering—Fundamentals of Electric Waves	3	3 hrs. by Appt.		Eng		Romanowitz
ENGINEERING—GENERAL							
Applied Mechanics							
3	Statics	5	{ 9:50- 10:50 }	M-F	Eng	202	Hawkins
100	Strength of Materials	5	{ 8:25- 9:25 }	M-F	Eng	202	Hawkins
Engineering Drawing							
1a ₁	Elementary Engineering Drawing	3	{ 1:00- 2:00 } { 2:10- 3:10 }	MTWTh M-F	Eng	216	Nollau and Horine
1a ₂	Elementary Engineering Drawing	3	{ 3:20- 4:20 } { 4:30- 5:30 }	M-F TWThF	Eng	216	Nollau and Horine

FIRST TERM—SUMMER 1946
COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
	ENGINEERING—GENERAL— Continued						
C1a	Elementary Engineering Drawing (for students in other colleges)	2	3:20-5:30	MWF	Eng	216	Nollau and Horine
1b	Descriptive Geometry	3	{ 7:15- 8:15- 8:25- 9:25- 1:00- 2:00- 2:10- 3:10 }	{ MTWTh M-F MTWTh M-F }	Eng	216	Nollau and Horine
18	Advanced Engineering Drawing	3			Eng	216	Nollau
	Student Assemblies						
2	Engineering Problems	1	2 hrs. by Appt.		Eng		Bureau
	MECHANICAL ENGINEERING						
15a	Manufacturing Processes	3	8 hrs. by Appt.		Eng	110c	Meyer
15b	Manufacturing Processes	3	8 hrs. by Appt.		Eng	110c	Meyer
104c	Engineering Thermodynamics —Heat Power	4	4 hrs. by Appt.		Eng		Walton
113a	Mechanical Laboratory	2	4 hrs. by Appt.		Eng		Walton
	METALLURGICAL ENGINEERING						
121	Fuel and Metallurgical Laboratory	2	6 hrs. by Appt.		Eng		Crouse
166b	Extractive Metallurgy	4	4 hrs. by Appt.		Eng		Coffinberry
167	Extractive Metallurgy Plant Practice	2	6 hrs. by Appt.		Eng		Crouse

FIRST TERM—SUMMER 1946

COLLEGE OF LAW

Alvin E. Evans, Dean

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
(First Year)							
C106a	Pleading I	2	8:00-8:50	T-S	L	212	Randall
C170	Legal Ethics	2	9:00-9:50	M-F	L	212	Murray
C154	Damages	2	{ 10:00- 10:50 }	W-S	L	212	Randall
(Second and Third Years)							
C147	Restitution	2	{ 10:00- 10:50 }	M-Th	L	213	Murray
C167	Administrative Law	3	8:00-8:50	D	L	213	Oberst
C154	Damages	2	{ 10:00- 10:50 }	W-S	L	213	Randall
C170	Legal Ethics	2	9:00-9:50	M-F	L	213	Murray

FIRST TERM—SUMMER 1946
COLLEGE OF EDUCATION
 William S. Taylor, Dean

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
A standing of 1.0 is required for admission to any course in the College of Education							
ADMINISTRATION							
C101	School Organization	4	2	D	E	222	Meece
198	The Administration of Pupil Personnel (June 17-July 3) ..	4	2, 3	D	McVH	128	Carty
Courses open only to Graduate Students:							
C202	Local School Administration....	4	4	D	E	222	Meece
207	School Building and Equipment	4	1	D	E	222	Dunn
210a, b	Independent Work in School Administration	4		By Appt.	E	229	Seay
225a	Supervision of Instruction	4	3	D	E	222	Seay
301a, b	Research Problems in Educational Administration	4		By Appt.	E	229	Seay
321a, b	Research Problems in Higher Education	4		By Appt.	E	128	Taylor
AGRICULTURAL EDUCATION							
175b ₁	Modern Educational Problems (July 5-20)	4		By Appt.	McVH	128	Tabb and Hilton
179	Determining Content in Vocational Agriculture (June 17-July 3)	4		By Appt.	E	226	Hammonds and Botto
Courses open only to Graduate Students:							
226a ₁	Problems of the School Curriculum (June 17-July 3).....	4		By Appt.	E	144B	Williams and Moore
287a	Advanced Problems in Agricultural Education	5		By Appt.	E	219	Hammonds, Armstrong, and Tabb
287d	Directing Farm Practice (July 5-20)	4		By Appt.	E	226	Hammonds and Wall
287f	Young-Farmer Schools (July 5-20)	4		By Appt.	E	144B	Armstrong
289a, b	Research in Agricultural Education	5		By Appt.	E	219	Hammonds, Armstrong, and Tabb
BUSINESS EDUCATION							
104	Foundations of Business Education in the High School	4	1	D	WH	103	
158a	Teaching Secretarial Subjects..	3	4	M-F	WH	303	Thomas
158b	Teaching Accounting	3	2	M-F	WH	306	
184	Teaching Office Appliances	3	5	M-F	WH	207	Thomas
Courses open only to Graduate Students:							
208a-d	Problems in Business Education	4		By Appt.	WH	203	Lawrence

FIRST TERM—SUMMER 1946
COLLEGE OF EDUCATION—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
BUSINESS EDUCA.—Cont.							
257a, b	Seminar in Business Education	1	5, 6	Th	WH	101	Lawrence
260	Teaching Consumer Courses in the High School	4	3	D	WH	103	Lawrence
271	The Supervision of Business Education	3	2	M-F	WH	401	Lawrence
272a, b	Independent Work in Business Education	4	By Appt.		WH	203	Lawrence
CURRICULUM AND INSTRUCTION							
175a	Modern Educational Problems (Sloan Workshop) (June 17-July 3)	4	By Appt.		E	231	Seay and Molloy
175b ₂	Modern Educational Problems (Sloan Workshop) (July 5-20)	4	By Appt.		E	231	Seay and Molloy
186	Visual Teaching	4	4	D	FH	B	Clifton
Courses open only to Graduate Students:							
200a	Philosophy of Education	4	1	D	E	131	Hartford
222	Methodology of Educational Research	4	3	D	E	140	Taylor
226e, f	Problems of the School Curriculum (Resource-Use Workshop)	4	By Appt.		E	122	Hartford, Cherry, and Spain
226c	Problems of the School Curriculum (Sloan Workshop) (June 17-July 3)	4	By Appt.		E	231	Seay and Molloy
226d	Problems of the School Curriculum (Sloan Workshop) (July 5-20)	4	By Appt.		E	231	Seay and Molloy
227a	Principles of Curriculum Construction	4	5	D	E	222	Spain
DISTRIBUTIVE OCCUPATIONS							
*115a	Problems in Distributive Education (June 17-July 3)	4	By Appt.		E	234	Baker
116	Problems of the Coordinator in Distributive Occupations	4	By Appt.		E	234	Baker
EDUCATIONAL PSYCHOLOGY							
C16	Educational Psychology (for general subject matter majors)	4	4	D	E	131	Ross
Courses open only to Graduate Students:							
C223	Educational Statistics	4	2	D	E	136	Ross

* Open only to experienced teachers.

FIRST TERM—SUMMER 1946
COLLEGE OF EDUCATION—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ELEMENTARY EDUCATION							
42	Arithmetic in Elementary Grades	4	3	D	E	176	Adams
†C133	Student Teaching in the Elementary School	9		By Appt.	E	126	Ginger, Callo-way, Conroy, Hillard, and Willson
141	Problems in Diagnostic and Remedial Reading	4	2	D	E	144A	Duncan
C172	Teaching Reading in the Elementary School	4	2	D	E	144A	Duncan
C196	Science in the Elementary School	4	5	D	E	140	Adams
Courses open only to Graduate Students:							
C229	The Elementary Principal	4	4	D	E	140	Duncan
HOME ECONOMICS EDUCATION							
Courses open only to Graduate Students:							
226a ₂	Problems of the School Curriculum (Cannery Workshop) (June 17-July 3)	4		By Appt.	Cannery		Sneed and Staff
268	Home Economics Curriculum Construction (July 5-20)	4		By Appt.	E	Cafe	Home Econ. Educ. Staff
269	Evaluation in Home Economics Education (June 17-July 3)....	4		By Appt.	E	Cafe	Parker
INDUSTRIAL EDUCATION							
73	Teaching*Related Subjects (June 17-July 3)	4	3, 4	D	E	136	Crumpton
77	Shop Management Problems (June 17-July 3)	3	3, 4	M-F	E	144A	Hankins
81	Analysis of Learning Difficulties in Industrial Education (July 5-20)	3	3, 4	M-F	E	136	Crumpton
171a	Principles and Philosophy of Industrial Education (July 5-20)	3	3, 4	M-F	E	144A	Hankins
MUSIC EDUCATION							
Courses open only to Graduate Students:							
253	Independent Work in Music Education	5		By Appt.	AC	18	Capurso

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

FIRST TERM—SUMMER 1946
COLLEGE OF EDUCATION—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
SECONDARY EDUCATION							
105	Fundamentals of Secondary Education	4	3	D	E	131	Ligon
Courses open only to Seniors and Graduate Students:							
153 ₁	Student Teaching in English	9		By Appt.	E	107	Ginger and Anderson
153 ₂	Student Teaching in English	9		By Appt.	E	201	Ginger and Shipman
154	Student Teaching in Languages	9		By Appt.	E	126	Ginger and Robinson
155	Student Teaching in the Sciences	9		By Appt.	E	204	Ginger and Bills
156	Student Teaching in Mathematics	9		By Appt.	E	211	Ginger and Church
157 ₁	Student Teaching in the Social Studies	9		By Appt.	E	207	Ginger and Peck
157 ₂	Student Teaching in the Social Studies	9		By Appt.	E	201	Ginger and Shipman
193	Student Teaching in Business Education	9		By Appt.	E	134	Ginger and Humphreys
Courses open only to Graduate Students:							
214a	The Secondary School	4	2	D	E	131	Ligon
232	High School Administration	4	5	D	E	131	Cherry

FIRST TERM—SUMMER 1946

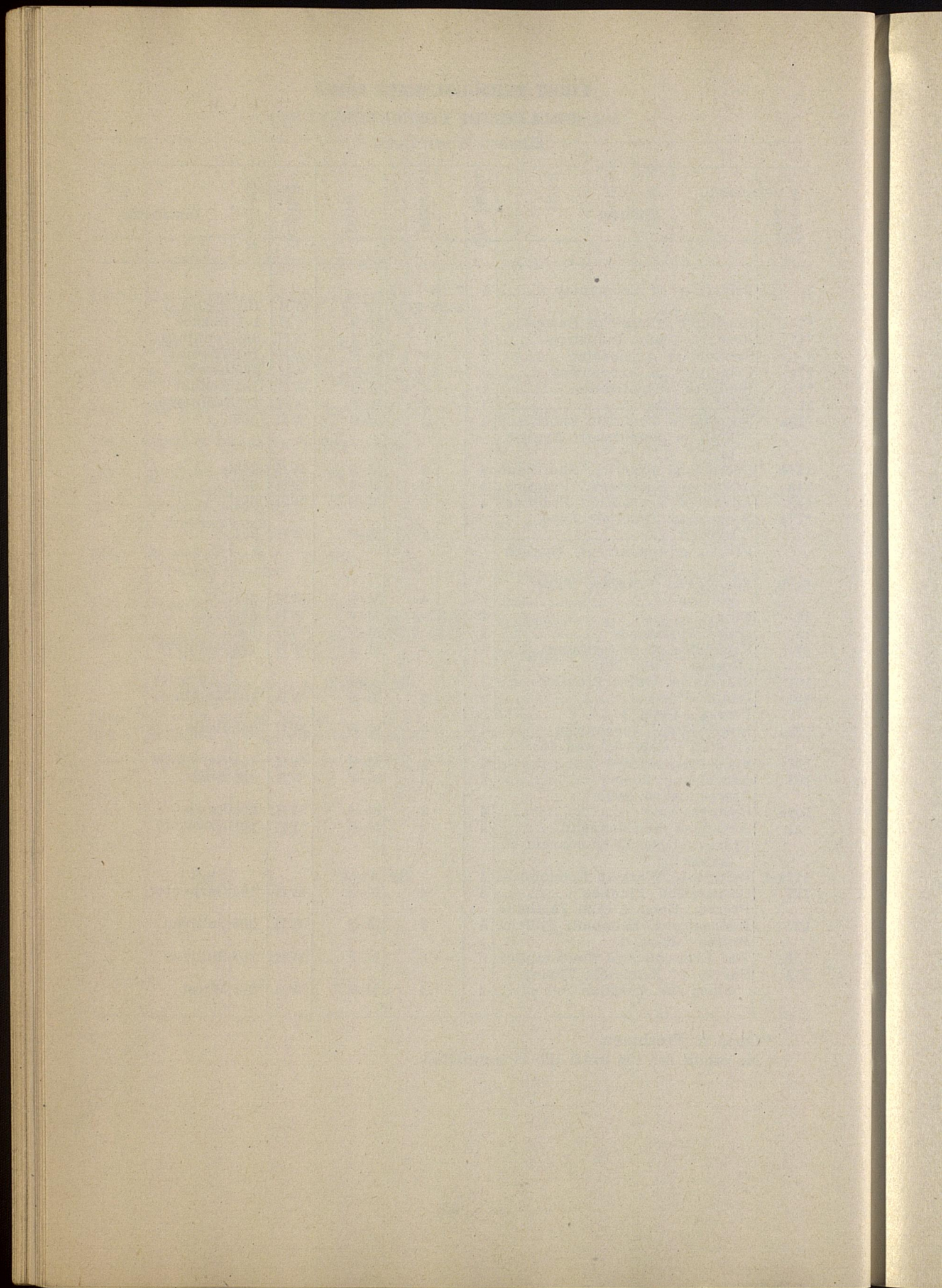
COLLEGE OF COMMERCE

Edward Wiest, Dean

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
1	Principles of Economics	5	7:25-8:15	} M-S	WH	102	Carter
			8:25-9:15				
*2	Economic History of Europe.....	4	1	M-S	WH	101	Bekker
*4	Resources and Industries	4	1	M-S	WH	303	Jennings
6	Secretarial Accounting	3	4	M-F	WH	101	Thomas
*7a	Principles of Accounting	5	5, 6	M-F	WH	306	Lewis
*9	Business Organization	4	3	M-S	WH	102	Bekker
11	Salesmanship	3	2	M-F	WH	101	McIntyre
†13a	Secretarial Practice, Shorthand Prereq. or concurrent: English 1a	4	2	M-S	WH	303	
†13b	Secretarial Practice, Shorthand	4	3	M-S	WH	101	
14a	Advanced Secretarial Practice..	4	2	M-S	WH	301	
14b	Advanced Secretarial Practice..	4	3	M-S	WH	301	
*17a	Secretarial Practice, Type- writing	3	1	M-F	WH	301	
	Prereq. or concurrent: English 1a						
*17b	Secretarial Practice, Type- writing	3	4	M-F	WH	301	
18	Filing	2	2:55-3:45	M-F	WH	205	
19	Office Appliances	2	1:30-2:20	M-F	WH	207	
20	Principles of Advertising	4	4	M-S	WH	102	McIntyre
	(Prereq.: Com. 10)						
101	Secretarial Office Practice	2	By Appt.				Lawrence
104	Public Finance	4	2	M-S	WH	103	Martin
	Prereq.: Econ. 1						
106a	Intermediate Accounting	4	2	M-S	WH	205	Beals
	(Prereq.: Com. 7a and 7b)						
107	Statistical Method	4	1	M-S	WH	401	Carpenter
108	Accounting Theory	3	5	M-F	WH	205	Beals
	Prereq.: Com. 106b						
109a	Business Law	4	3	M-S	WH	303	Lewis
111	Advanced Salesmanship	4	2	M-S	WH	101	McIntyre
	Prereq.: Com. 11 or consent of instructor						
112a-d	Individual Work in Economics..	1	By Appt.				Staff
117	Corporation Finance	4	4	M-S	WH	103	Carpenter
	Prereq.: Econ. 1, Com. 7a and b						
127	International Economic Policies	4	3	M-S	WH	205	Sullivan
	Prereq.: Econ. 1						
153	The Economics of Consumption	3	6	M-F	WH	303	Sullivan
215	Survey of Economic Theory Since the Austrian School	4	4	M-S	WH	205	Wiest

* Open to Freshmen.

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



SECOND TERM

SECOND TERM

1

C

1

1

2

*

*

*

*

*

12

15

15

*A

N

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ANATOMY and PHYSIOLOGY							
For Upper Division Requirements, see First Term.							
1b	General Physiology	4	2	M-S	BS	313	Archdeacon
Courses open only to Upper Division and Graduate Students:							
C105	Architecture of the Human Skeleton	3	3	M-S	BS	307	Allen
108b ₁	Advanced Physiology, Lec., Rec.	4	4 5, 6	M-Th	BS	313	Archdeacon
108b ₂	Advanced Physiology, Lab.			Th-F	BS	307	Cole
Courses open only to Graduate Students:							
201a-d	Research in Physiology	6	By Appt.	M-S	BS	{ 304a 305a }	{ Allen, Arch- deacon, and Brown
ANCIENT LANGUAGES							
For Upper Division Requirements, see First Term.							
*1a, b	Beginning Latin (1st or 2nd half)	3	1	M-F	A	303	Jones
*2, 3	Caesar and Sel., Cicero and Selections			By Appt. By Appt. By Appt. By Appt.			
*4a, b	Vergil						
*5	Livy						
*6a, b	Horace						
*51a, b	Beginning Greek (1st or 2nd half)	3	2	M-F	A	303	Jones
Courses open only to Upper Division and Graduate Students:							
122a, b	Greek Literature in English Translation (Epic and Lyric or Drama, History, Oratory, Philosophy) (Does not count as foreign language requirement)	3	By Appt.	M-F	A	303	Jones
150a, b	Teacher's Course in Latin (Based on 1st or 2nd year work)	3	By Appt.	M-F	A	303	Jones
151a-d	Independent Work in Ancient Languages	3	By Appt.	M-F	A	303	Jones
ART							
For Upper Division Requirements, see First Term.							
*A	Introduction to the Humanities Through the Study of Art....	3	6	M-F	BS	211	Rannells

Note.—No credit given when work done in High School is repeated. One year of High School language is considered the equivalent of one quarter of University work. Two courses at same hour not allowed. No credit given in A. L. 1a until A. L. 1b has been completed.

* Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ART—Cont.							
10b	Public School Art	3	5, 6	M-F	E	170	Haines
64a, b	Intermediate Design	4	5, 6, 7 (and 8 hours by appt.)	MWF	BS	214	Barnhart
65b, c	Painting	4	5, 6, 7 (and 12 hours by appt.)	TTh	BS	316	Barnhart
Courses open only to Upper Division and Graduate Students:							
165a, b, c	Advanced Painting	4	5, 6, 7 (and 12 hours by appt.)	TTh	BS	316	Barnhart
119a, b, c	Independent Work: Design, Construction	4	5, 6, 7 (and 8 hours by appt.)	MWF	BS	214	Barnhart
143	Contemporary Art	4	4	M-S	BS	211	Rannells
BACTERIOLOGY							
For Upper Division Requirements, see First Term.							
*2b ₁	Elementary Microbiology, Lec.}	6	{By Appt. M-S		BS	124	Weaver
*2b ₂	Elementary Microbiology, Lab.}		{By Appt. M-S		BS	208	Humphries
57a ₁ , b ₁	Bact. of Water and Sewage, Lec.	4, 2	{ 9:50- 10:40 }	M-S	BS	124	Weaver
57a ₂ , b ₂	Bact. of Water and Sewage, Lab.		{ 10:40- 12:30 }	M-S	BS	207	Humphries
Courses open only to Upper Division and Graduate Students:							
102 ₁	General Bacteriology, Lec.....}	6	{ 8:50-9:40	M-S	BS	124	Scherago
102 ₂	General Bacteriology, Lab.....}		{ 7:00-8:50	M-S	BS	210	Humphries
104	Applied Bacteriology, Lab.....	3	By Appt. M-S		BS	207	
110c	Laboratory Diagnosis, Lab.	3	10-11:50	M-S	BS	206	Hotchkiss
115a-f	Independent Work	4	By Appt. M-S		BS	206	
120a, b, c	Hosp. Lab. Prac., Lab.	6, 4, 5			Hospital		
125a ₁	Immunology and Serology, Lec. (1st half of Term)	5	{ 1:00- 2:00 }	M-F	BS	124	Scherago
125a ₂	Immunology and Serology, Lab.		{ 7:00- 10:00 }	M-S	BS	206	Hotchkiss
125b ₁	Immunology and Serology, Lec. (2nd Half of Term)	3	{ 1:00- 2:00 }	M-F	BS	124	Scherago
125b ₂	Immunology and Serology, Lab.		{ 7:00- 10:00 }	M-S	BS	206	Hotchkiss
Courses open only to Graduate Students:							
201a-f	Research in Bacteriology	5	By Appt.		BS		Scherago and Weaver

(Note.—All four-quarter-hour courses in Drawing, Painting, or Design will require 20 studio hours per week for full credit for the summer term of five weeks; but they also may be scheduled for limited credit with studio hours reduced in proportion, e. g., 10 studio hours for half-credit.)

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor					
BACTERIOLOGY—Cont.												
207 ₁	Bact. of Water and Sewage, Lec.	6	{ 9:50- 10:40 }	M-S	BS	124	Weaver					
207 ₂	Bact. of Water and Sewage, Lab.							{ 10:40- 12:30 }	M-S	BS	207	Humphries
BOTANY												
For Upper Division Requirements, see First Term.												
*8a	Introduction to Botany	4	4	M-S	NORH	203	Riley					
*8b	Introduction to Botany	4	3	M-S	NORH	203	Riley					
*25	General Plant Biology	5	7:25-9:15	M-S	NORH	202	McInteer					
Courses open only to Upper Division and Graduate Students:												
107	Morphology of Algae	4		By Appt.	NORH	202	McInteer					
CHEMISTRY												
For Upper Division Requirements, see First Term.												
*1b ₁	General Chemistry, Lec.	5	{ 8:25- 9:40 }	MTWTh	KH	201	Staff					
*1b ₁	General Chemistry, Rec.							{ 8:25- 9:15 }	S	KH	201	Staff
*1b ₂	General Chemistry, Lab.							{ 9:50- 12:30 }	MW	KH	101	Staff
*1b ₂	General Chemistry, Lab.							{ 8:25- 11:05 }	F	KH	101	Staff
21b ₁	Quant. Anal., Lec.							4	2 hr. by Appt.		KH	111
21b ₂	Quant. Anal., Lab.		12 hrs. by Appt.		KH	113	Stewart					
C30b	Organic Chemistry	3	1, 2, 3	M-S	KH	209-						
30c	Organic Chemistry	5	1, 2, 3	M-S	KH	215	Barkenbus					
(To obtain credit in C30b, 30c must be passed in same term.)												
Courses open only to Upper Division and Graduate Students:												
C130b	Organic Chemistry	3	1, 2, 3	M-S	KH	209-						
130c	Organic Chemistry	5	1, 2, 3	M-S	KH	215	Barkenbus					
(To obtain credit in C130b, 130c must be passed in same term.)												
ECONOMICS												
For Upper Division Requirements, see First Term.												
*3	Economic History of the U. S.	4	2	M-S	WH	303	Jennings					

* Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ECONOMICS—Cont.							
1	Principles of Economics	5	7:25-8:15	} M-S	WH	102	Sullivan
15	Applied Economics	4	8:25-9:15				
	Courses open only to Upper Division and Graduate Students:						
102	Labor Problems	4	3	M-S	WH	102	Carter
105	Prereq.: Econ. 1 Money and Banking	4	4	M-S	WH	103	Carpenter
112a-d	Prereq.: Econ. 1 Individual Work in Economics..	1		By Appt.			Staff
125	Evolution of Economic Institutions	4	4	M-S	WH	303	Jennings
	Courses open only to Graduate Students:						
202a-b	Seminar	1		By Appt.			Staff
ENGLISH							
	For Upper Division Requirements, see First Term.						
*1a ₁	English Composition	3	7:00-8:15	M-F	McVH	200	
*1a ₂	English Composition	3	8:25-9:40	M-F	McVH	200	
*1b ₁	English Composition	3	7:00-8:15	M-F	McVH	207	
*1b ₂	English Composition	3	{ 9:50- } 11:05	{ M-F	McVH	210	
*1b ₃	English Composition	3	1:30-2:45	M-F	McVH	210	
*1b ₄	English Composition	3	4:20-5:35	M-F	McVH	210	
*1c ₁	English Composition	3	7:00-8:15	M-F	McVH	231	
*1c ₂	English Composition	3	8:25-9:40	M-F	McVH	230	
*1c ₃	English Composition	3	{ 11:15- } 12:30	{ M-F	McVH	230	
*6	The Essentials of Speech	3	7:00-8:15	M-F	McVH	206	Sterrett
	Not open to Freshmen:						
3b ₁	History of English Literature..	3	7:00-8:15	M-F	McVH	211	Cooke
3b ₂	History of English Literature..	3	8:25-9:40	M-F	McVH	211	
3c	History of English Literature..	3	{ 11:15- } 12:30	{ M-F	McVH	211	
38	Oral Interpretation	5	8:25-9:40	M-S	McVH	203	Sterrett
	Courses open only to Upper Division and Graduate Students:						
	(Prereq.: Eng. 1a, b, c, 3a, b, c)						
C106a	English Romantic Poetry	4	7:00-8:15	M-S	McVH	204	Brady
C152	Age of Pope	4	{ 9:50- } 11:05	{ M-S	McVH	206	Cooke
	Courses open only to Graduate Students:						
C210	Seminar (Bibliographical Studies)	4	8:25-9:40	M-S	McVH	204	Brady

* Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
GEOGRAPHY							
	For Upper Division Requirements, see First Term.						
*10	Economic Geography	4	1	M-S	BS	224	Hutter
	Courses open only to Upper Division and Graduate Students:						
106	Geography of Asia	4	3	M-S	BS	224	Hutter
GEOLOGY							
	For Upper Division Requirements, see First Term.						
*50a	Outlines of Geology	3	2	M-F	MH	203	
*50b	Outlines of Geology	3	3	M-F	MH	203	
*14a	Elementary Field Geology	1	1:00-5:00	T	MH	203	
*14b	Elementary Field Geology	1	1:00-5:00	W	MH	203	
	Courses open only to Upper Division and Graduate Students:						
105a-f	Independent Work in Geology..	4		By Appt.			
GERMAN LANGUAGE AND LITERATURE							
	For Upper Division Requirements, see First Term.						
*C1b	Elementary German, Prereq. 1a	4	2	M-S	MH	302	Whitaker
2a	Intermediate German, Prereq. 1b	4	3	M-S	MH	310	
2b	Intermediate German, Prereq. 2a	4	3	M-S	MH	310	
3b	Selected Readings, Prereq. 2b..	4		By Appt.	MH	303A	
	Courses open only to Upper Division and Graduate Students:						
106b	Scientific German, Prereq. 2b..	4		By Appt.	MH	303B	Whitaker
105a-d	Independent Work in German....	4		By Appt.	MH	303A	
HISTORY							
	For Upper Division Requirements, see First Term.						
‡C8b ₁	European Civilization Since 1789	4	1	M-S	FH	201	England
‡C8b ₂	European Civilization Since 1789	4	2	M-S	FH	202	England

Note.—No credit given when work done in High School is repeated. One year of High School language is considered the equivalent of one quarter of University language study. No credit will be given for German 1a until German 1b has been completed. No student should enroll in two beginning language courses at the same time. A student may, after any quarter, request a departmental examination which if passed, will fulfill the language requirement.

‡ Note.—History 8a and 8b duplicate Pol. Sci. 8a and 8b and History 4a, b. History 10a and 10b duplicate Pol. Sci. 10a, 10b and 51, and History 5a and 5b.
 * Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
HISTORY—Cont.							
*C4b	Modern Europe Since French Revolution	4	4	M-S	FH	204	Staff
‡C10a	American Civilization 1607 to 1865	4	2	M-S	FH	204	Wall
‡C10b	American Civilization Since 1865	4	1	M-S	FH	202	Hopkins
Courses open only to Upper Division and Graduate Students:							
100a	The Diplomacy and Foreign Policy of the United States to 1898	4	2	M-S	FH	201	Hopkins
C106b	Latin American Republics	4	3	M-S	FH	202	Staff
120	Europe in the 20th Century.....	4	4	M-S	FH	202	Cotterill
180a	Hist. of the Old South	4	1	M-S	FH	204	Cotterill
280	European Historiography	3	3	M-F	FH	201	Carson
366	Reconstruction (Seminar)	3	2	M-F	FH	301	Stephenson
HYGIENE AND PUBLIC HEALTH							
For Upper Division Requirements, see First Term.							
*9	Hygiene for Teachers	3	3	M-F	McVH	100	Hamilton
Courses open only to Juniors, Seniors, and Graduate Students:							
C100b	Public Health	3	2	M-F	McVH	100	Hamilton
C115	Communicable Diseases	3	4	M-F	McVH	100	Hamilton
JOURNALISM							
For Upper Division Requirements, see First Term.							
10a	Survey of Journalism	4	3	M-S	McVH	54	McLaughlin
10b	Survey of Journalism	4	4	M-S	McVH	54	McLaughlin
21	Etymology	4	2	M-S	McVH	53	Plummer
Courses open only to Upper Division and Graduate Students:							
102	Community Journalism	4	4	M-S	McVH	66	Portmann
103	History of Journalism	4	2	M-S	McVH	66	Portmann
110	Supervision of High School Publications	4	3	M-S	McVH	66	Portmann
LIBRARY SCIENCE							
For Upper Division Requirements, see First Term.							
Courses open only to Upper Division and Graduate Students:							
132	Library Work with Children.... (L. S. 128 advisable as prereq.)	3	1	M-F	UL	314	Martin

* Open to Freshmen.

‡ History 8a and 8b duplicate Pol. Sci. 8a and 8b and History 4a and 4b. History 10a and 10b duplicate Pol. Sci. 10a, 10b, and 51, and History 5a and 5b.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
LIBRARY SCIENCE—Cont.							
133b	Reference and Bibliography Prereq.: L. S. 133a	4	3	M-S	UL	314	
138	Interpretation of Library Services Prereq.: L. S. 126, 133a, 150a	3	4	M-F	UL	314	
154	Seminar Prereq.: L. S. 126, 129a, b, 133a, b, 150a, b	3	2	M-F	UL	314	Martin
MATHEMATICS AND ASTRONOMY							
For Upper Division Requirements, see First Term. Courses open only to Upper Division and Graduate Students:							
102 or 113	Vector Analysis	4		By Appt.			
113	Fourier Series and Spherical Harmonics	4		By Appt.	McVH	128	Downing
104 or 112	Advanced Analytics	4		By Appt.	McVH	107	
112	Series	4		By Appt.			Brown
110a-f	Ind. Work in Mathematics.....	4		By Appt.	McVH		
MUSIC							
For Upper Division Requirements, see First Term.							
*Mus. A	An Introduction to the Humanities Through the Study of Music (For both Music Majors and non-Music Majors)	3	3	M-F	AC	18	Horton
*12b	Counterpoint	3	2	M-F	AC	19	Horton
Applied Music							
*15a-L	Applied Music—Piano	2		By Appt.	AC	7	Peniston
*C15a-L	Applied Music—Piano	1		By Appt.	AC	18	Cullis
*17a-L	Applied Music—Voice	2		By Appt.	AC	19	Horton
*Ca17-L	Applied Music—Voice	1		By Appt.	AC	19	Horton
*18a-L	Applied Music—Organ	2		By Appt.	MeH	Aud	Cullis
*C18a-L	Applied Music—Organ	1		By Appt.	MeH	Aud	Cullis
*20b	Survey of Music Literature (for non-Music Majors)	3	3	M-F	AC	18	Capurso
Courses open only to Upper Division and Graduate Students:							
111b	Research Problems in Music	3		By Appt.	AC	18	Capurso
114a	Orchestration	3	4	M-F	AC	18	Capurso
114b	Instrumental Conducting and Score Reading	3	2	M-F	AC	18	Capurso

* Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
PHILOSOPHY							
For Upper Division Requirements, see First Term.							
*A	Introduction to the Humanities Through the Study of Philosophy	3	5	M-F	FH	205	DeBoer
31	Logic (Elementary)	4	3	M-S	FH	205	Kuiper
21	Introduction to Phil.	4	4	M-S	FH	205	Kuiper
Courses open only to Upper Division and Graduate Students:							
118	Plato and Aristotle	4	3	M-S	FH	205	DeBoer
201a-f	Seminar in Philosophy	2	By Appt.		FH	103	Staff
PHYSICS							
For Upper Division Requirements, see First Term.							
*53	Introduction to Physics	3	3	M-F	PENCE	201	Koppius
7b ₁	Gen. Elem. Phys., Lec. and Rec.	7	1, 2	MWFS	PENCE	309	Warburton
7b ₁₁	Gen. Elem. Phys., Lab.		1, 2	TTh	PENCE	307	Crawley
Courses open only to Upper Division and Graduate Students:							
120	X-Ray Technique	3	By Appt.				Crawley
Other advanced courses will be given as the need for them arises.							
POLITICAL SCIENCE							
For Upper Division Requirements, see First Term.							
‡C8a	European Civilization to 1789..	4	3	M-F	A	302	Trimble
‡C10a	American Civilization, 1607-1865	4	4	M-F	A	203	Manning
‡C10b	American Civilization Since 1865	4	2	M-F	A	301	Shannon
‡C51	American Government	4	2	M-F	A	302	Edelmann
Courses open only to Upper Division and Graduate Students:							
C101	Latin American Relations	4	3	M-F	A	302	Edelmann
C159b	American Constitutional Development	4	4	M-F	A	302	Trimble
C173	Public Opinion	4	4	M-F	A	301	Shannon
C177b	Principles of Public Administration	4	2	M-F	A	203	Manning

* Open to Freshmen.

‡ Note: Pol. Sci. 8a and 8b duplicate History 8a, 8b and 4a and 4b, Pol. Sci. 10a and 10b duplicate History 10a, 10b, 5a, 5b and P. S. 51.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
PSYCHOLOGY							
For Upper Division Requirements, see First Term.							
*2	Applied Psychology. Preq.: Psy. 1	4	2	M-S	Eng	232	Warren
5	Psychology of Advertising and Selling. Prereq.: Psy. 1.....	4	4	M-S	Eng	236	Mellenbruch
*6	Personality. Prereq.: Psy. 1.....	4	3	M-S	Eng	232	Newbury
7	Psychology of the Child. Prereq.: Psychology 1	4	1	M-S	Eng	232	Humphreys
8	Individual Differences	4	4	M-S	Eng	232	Newbury
Courses open only to Upper Division and Graduate Students:							
102	Practice in Testing: Personality Tests. Prereq.: Psy. 8	3	1	M-S	Eng	236	Mellenbruch
105	Employment Psychology. Prereq.: Psy. 8	4	3	M-S	Eng	236	Beaumont
120a-d	Independent Work in Psychology (Prereq.: Major in Department with a standing of 2 in Psy. courses)	3		By Appt.	NH	204	Warren
Courses open only to Graduate Students:							
203a-d	Problems in Psychology	3		By Appt.	NH	106	Staff
219	Clinical Psychology	5	1, 2	M-S	NH	202	Dimmick
ROMANCE LANGUAGES							
For Upper Division Requirements, see First Term.							
*C1b	Elementary French	4	1	M-S	MH	307	Ryland
*C5b	Elementary Spanish	4	3	M-S	MH	309	Server
2a	Intermediate French	4	2	M-S	MH	308	Schick
2b	Intermediate French	4	4	M-S	MH	309	Niess
7a	Intermediate Spanish	4	4	M-S	MH	307	Hernandez
7b	Intermediate Spanish	4	1	M-S	MH	309	
6a	French Novel and Drama	4	2	M-S	MH	307	Ryland
6b	French Novel and Drama	4	3	M-S	MH	308	Schick
9a	Spanish Novel and Drama	4	2	M-S	MH	309	
9b	Spanish Novel and Drama	4	3	M-S	MH	307	Hernandez
80a, b, c	Tutorial Seminar	1		By Appt.			Staff
Courses open only to Upper Division and Graduate Students:							
108b	Spanish American Literature..	4	2	M-S	MH	306b	Server
116b	French Literature of the XXth Century	4	3	M-S	MH	306b	Niess
114a-f	Independent Work	4		By Appt.			Staff

Note.—No University credit for duplicating work done in languages in High School. One year of High School language study is considered to be the equivalent of one quarter of University language study. Example: A student having had two years of High School French should take R. L. 2a.

* Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
SOCIOLOGY							
For Upper Division Requirements, see First Term.							
*C2 ₂	Modern Social Problems (for Nurses)	2					Holmes
7	Social Institutions	4	1	M-S			
20b	Tutorial	1	5	TW			Sanders
160	The Balkans: A Study of Peasant Society	4	2	M-S			Sanders
Courses open only to Upper dents:							
103	Criminology	4	3	M-S			Best or Visiting Professor
130	Social Systems	4	2	M-S			Best or Visiting Professor
109	The Family	4	4	M-S			Sanders
ZOOLOGY							
For Upper Division Requirements, see First Term.							
*1b ₁	General Zoology, Lec.	4	3	M-F	BS	B8	Allen
*1b ₂	General Zoology, Lab.		4	M-F	BS	B9	Allen
Courses open only to Upper Division and Graduate Students:							
106 ₁	Embryology, Lec.	6	1	M-S	BS	125	Brauer
106 ₂	Embryology, Lab.		2	M-S	BS	126	Brauer
115a ₁	Adv. Parasitology, Lec.	4	1:00-2:25	MTF	BS	125	Lincicome
115a ₂	Adv. Parasitology, Lab.		1:00-3:50	WTh	BS	400	Lincicome

* Open to Freshmen.

SECOND TERM—SUMMER 1946
COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
AGRICULTURAL ENTOMOLOGY							
1	Agricultural Entomology	4	4	D	Agr	103	Townsend
102	Economic Entomology	4	2	D	Agr	103	Townsend
AGRONOMY							
12 or 112a	{ Soil Conservation or Special Problems in Soils	3	1	M-F	Agr	303	Karraker
ANIMAL INDUSTRY							
21 ₁	Farm Dairying	4	1	D	D	113	Morrison
21 ₂	Farm Dairying	4	2	D	D	113	Morrison
81	Prin. of Animal Nutrition	4	5	M-F	D	113	Wilford
			6	M			
106	Pork Production	4	3	D	D	109	Wilford
104	Sheep Production	4		By Appt.			Horlacher
120	Dairy Cattle Breeding	4	4	D	D	113	Ely
FARM ECONOMICS							
1	Agricultural Economics	5	3, 4	M-Th	Agr	4	Bradford
110	Farm Management	4	2	D	Agr	4	Bradford
MARKETS AND RURAL FINANCE							
100	Marketing	4	3	D	Agr	4	Brown
RURAL SOCIOLOGY							
110	Rural Sociology	3	5	M-F	Agr	1	Beers
HOME ECONOMICS							
5	Foods	5	1, 2	M-F	HE	200	Barkley
6	Foods	4	3, 4	M	HE	201	Barkley
27	Clothing	5	3, 4	D	HE	308	Sumner
61	Housing	4	2	D	HE	128	Wilmore
103a	Public School Nutrition	2	1	MWF	HE	204	Wooldridge
105b	Experimental Cookery	4	3, 4	M-F	HE	205	Wooldridge
107	Workshop in Nutrition	5		By Appt.			Erikson
114	Food Preservation	3	3, 4	M-Th	HE	200	Helton
125	Advanced Textiles	3	2	M-F	HE	302	Sumner
127	Advanced Clothing	4	3, 4	M-Th	HE	307	Latzke
129	Interior Decoration	4	1, 2	M-Th	HE	300	Seeds
141	Institution Org. and Admin.....	4	1	D	HE	9	Helton
155	The Child and His Clothing.....	3	5	M-F	HE	105	Mumford
156	Play and Play Materials	3	6	M-F	HE	105	Bentley
162b	Home Management and Family Rel.	5		By Appt.			Wilmore

SECOND TERM—SUMMER 1946
COLLEGE OF LAW

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
(First Year)							
C103	Property I	2	8:00-8:50	T-S	L	212	Roberts
C107b	Criminal Procedure	2	{ 11:00- }	MT	L	212	Moreland
C148	Domestic Relations	2	{ 11:50 }	ThF			
			{ 9:00- }	MT			
			{ 9:50 }	ThF	L	212	Moreland
(Second and Third Years)							
176	Trade Regulation	3	8:00-8:50	D	L	213	Oberst
C174	Credit Transactions (Mortgages)	2	{ 10:00- }	W-S	L	213	Roberts
C167	Administrative Law	2	{ 10:50 }				
			8:00-8:50	D	L	213	Oberst

SECOND TERM—SUMMER 1946

COLLEGE OF EDUCATION

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
ADMINISTRATION							
C101	School Organization	4	2	D	E	222	
Courses open only to Graduate Students:							
210a, b	Independent Work in School Administration	4		By Appt.	E	229	Seay and Meece
225b	Supervision of Instruction	4	3	D	E	222	Seay
231	Financing Public Education	4	3	D	E	136	Meece
301a, b	Research Problems in Educational Administration	4		By Appt.	E	229	Seay
321a, b	Research Problems in Higher Education	4		By Appt.	E	128	Taylor
AGRICULTURAL EDUCATION							
Courses open only to Graduate Students:							
280	Method in Teaching Vocational Agriculture (July 22-Aug. 7)	4		By Appt.	E	226	Hammonds
287a	Advanced Problems in Agricultural Education	5		By Appt.	E	219	Hammonds, Armstrong, and Tabb
287e	Teaching Farm Shop (July 22-August 7)	4		By Appt.	E	144B	Tabb
289a, b	Research in Agricultural Education	5		By Appt.	E	219	Hammonds, Armstrong, and Tabb
BUSINESS EDUCATION							
158a	Teaching Secretarial Subjects..	3	4	M-F	WH	101	Thomas
184	Teaching Office Appliances	3	5	M-F	WH	207	Thomas
Courses open only to Graduate Students:							
208a-d	Problems in Business Education	4		By Appt.	WH	203	Lawrence
259	The Commerce Curriculum	4	3	D	WH	101	Lawrence
270	Business Teacher Education in Colleges and Universities..	4	2	D	WH	101	Lawrence
272a, b	Independent Work in Business Education	4		By Appt.	WH	203	Lawrence
CURRICULUM AND INSTRUCTION							
175g	Modern Educational Problems: Education of Handicapped Children (July 22-August 7)	4		By Appt.	E	107	Baldree
Courses open only to Graduate Students:							
200b	Philosophy of Education	4	1	D	E	222	Hartford
222	Methodology of Educational Research	4	4	D	E	131	Taylor

SECOND TERM—SUMMER 1946
COLLEGE OF EDUCATION—Continued

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
	CURRICULUM AND INSTRUCTION—Cont.						
226e, f	Problems of the School Curriculum (Curriculum Evaluation Workshop)	4		By Appt.	E	122	Hartford, Cherry, and Spain
227b	Techniques in Curriculum Construction	4	5	D	E	222	Spain
230	Problems of Educational Sociology	4	4	D	E	222	Hartford
	EDUCATIONAL PSYCHOLOGY						
C122	Educational Tests and Measurements for High School Teachers	4	4	D	E	140	Ross
	Courses open only to Graduate Students:						
254	Problems in Educational Psychology	4	2	D	E	136	Ross -
255a	Guidance in Today's Schools (July 22-August 7)	4		By Appt.	E	207	Davis
255b	Techniques in Counseling (August 8-24)	4		By Appt.	E	207	Davis and Skodak
	ELEMENTARY EDUCATION						
20	Industrial Arts for Elementary Grades	3	1, 2	M-F	E	170	Haines
110	Advanced Industrial Arts	3	3, 4	M-F	E	170	Haines
C173	Teaching Literature to Children	4	4	D	E	144A	Duncan
	Courses open only to Graduate Students:						
C212	The Elementary School	4	2	D	E	144A	Duncan
	HISTORY OF EDUCATION						
	Courses open only to Graduate Students:						
235	History of Education in Kentucky	4	3	D	E	131	Ligon
	HOME ECONOMICS EDUCATION						
	Courses open only to Graduate Students:						
261	Home Economics Supervision (July 22-August 7)	4	1, 3	D	E	145	Parker
263	Current Problems in Home Economics Education (July 22-August 7)	4	1, 3	D	E	144A	Spickard

SECOND TERM—SUMMER 1946
COLLEGE OF EDUCATION—Continued

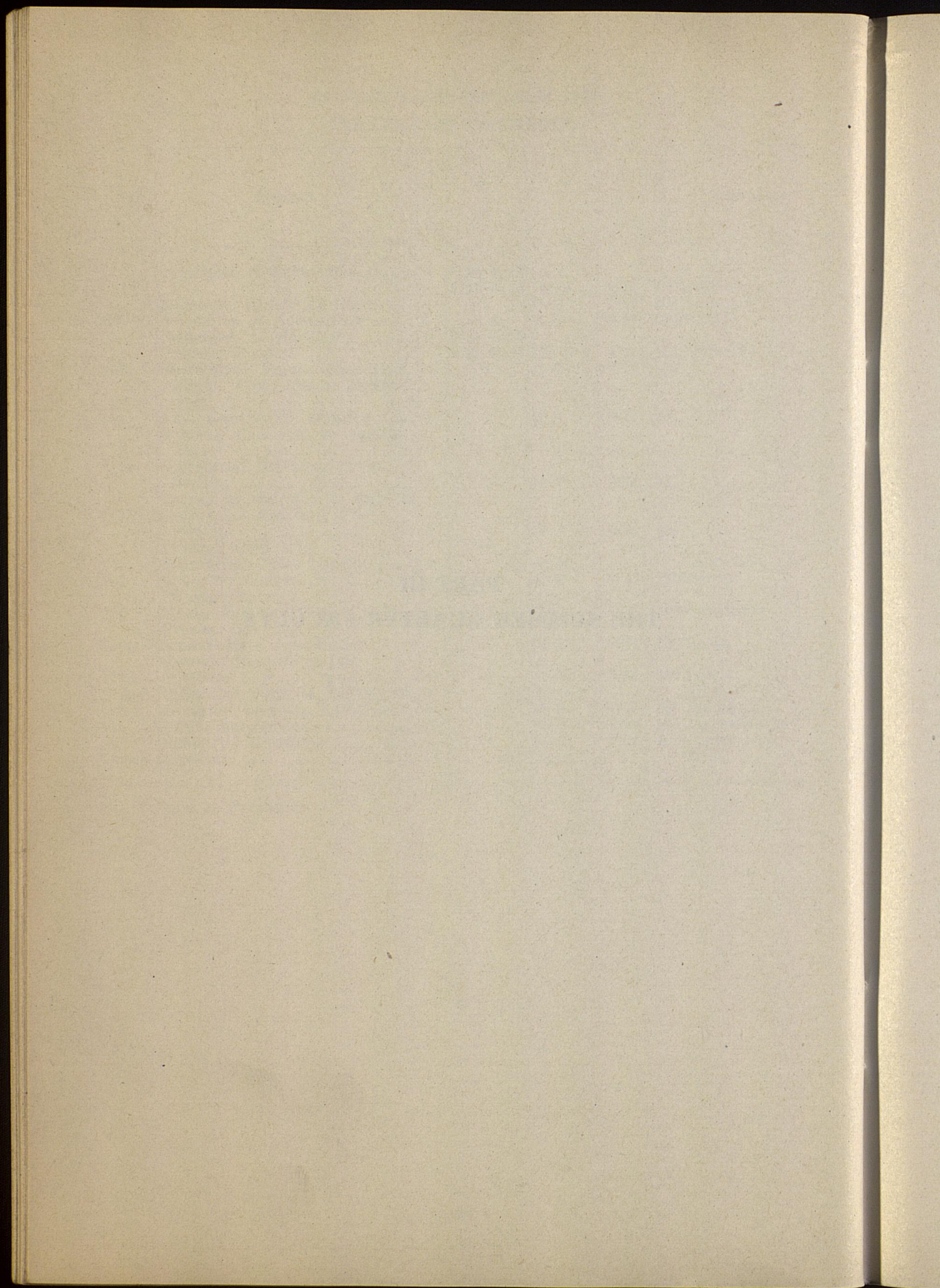
Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
INDUSTRIAL EDUCATION							
71	Trade Analysis and Course Planning (July 22–August 7)	4	2, 3	D	E	208	Crumpton
123	Vocational Guidance (August 8–24)	4	2, 3	D	E	108	Hankins
171b	Principles and Philosophy of Industrial Education (July 22–August 7)	3	2, 3	M–F	E	108	Hankins
C175a	Modern Educational Problems (August 12–24)	3	2, 3	M–F	E	107	Wilson
183	Methods in Industrial Education (August 8–24)	4	2, 3	D	E	208	Crumpton
SECONDARY EDUCATION							
105	Fundamentals of Secondary Education	4	3	D	E	140	Cherry
Courses open only to Graduate Students:							
214b	The Secondary School	4	2	D	E	131	Ligon

SECOND TERM—SUMMER 1946
COLLEGE OF COMMERCE

Course No.	Subject	Qtr. Hrs.	Hour	Days	Building	Room No.	Instructor
1	Principles of Economics	5	7:25-8:15	} M-S	WH	102	Sullivan
			8:25-9:15				
*3	Economic History of the U. S... 4	4	2	M-S	WH	303	Jennings
*7b	Principles of Accounting	5	5, 6	M-F	WH	306	Beals
10	Principles of Marketing	5	7:25-8:15	} M-S	WH	103	McIntyre
	Prereq.: Econ. 1		8:25-9:15				
*13b	Secretarial Pract., Shorthand.. 4	4	2	M-S	WH	306	
	Prereq.: Com. 13a or equivalent						
14b	Adv. Secretarial Practice	4	3	M-S	WH	301	
	Prereq.: Com. 14a or equivalent						
*17a	Secretarial Practice, Typewriting	3	1	M-F	WH	301	
	Prereq. or concurrent: Eng. 1a						
*17b	Secretarial Practice, Typewriting	3	5	M-F	WH	301	
	Prereq.: Com. 17a						
101	Secretarial Office Practice	2		By Appt.			Lawrence
102	Labor Problems	4	3	M-S	WH	102	Carter
	Prereq.: Econ. 1						
105	Money and Banking	4	4	M-S	WH	103	Carpenter
	Prereq.: Econ. 1						
106b	Intermediate Accounting	4	2	M-S	WH	205	Beals
	Prereq.: Com. 7a and 7b						
109b	Business Law	4	3	M-S	WH	303	Lewis
112a-d	Individual Work in Economics.. 1	1		By Appt.			Staff
125	Evolution of Econ. Institutions.. 4	4	4	M-S	WH	303	Jennings
145	Office Management	4	2	M-S	WH	101	Lawrence
155	Industrial Relations	4	4	M-S	WH	102	Carter
202a-h	Seminar	1		By Appt.			Staff

* Open to Freshmen.

PART III
THE SUMMER QUARTER FACULTY



THE SUMMER QUARTER FACULTY

- ADAMS, ESTELLE, M.A.
Second Grade, University School
- ALLEN, RICHARD SWEETNAM, M.S.
*Professor of Anatomy and Physiology, Head of the Department
of Anatomy and Physiology*
- ALLEN, WILLIAM RAY, M.A., Ph.D.
Professor of Zoology
- ANDERSON, C. ARNOLD, M.A., Ph.D.
Associate Professor of Sociology
- ANDERSON, GRACE, M.A.
English, University School
- ARCHDEACON, JAMES WILLIAM, Ph.D.
Assistant Professor of Anatomy and Physiology
- ARMSTRONG, WATSON, M.A.
Instructor in Agricultural Education
- BAKER, W. MAURICE, M.A.
*Professor of Education, Head of the Department of Distributive
Occupations*
- BALDREE, WILLIAM HICKMAN, M.A.
Visiting Instructor in Education
- BARKENBUS, CHARLES, Ph.D.
Professor of Organic Chemistry
- BARKLEY, MARIE RODES, M.A.
Assistant Professor of Home Economics
- BARNETT, BRINKLEY, B.M.E.
Associate Professor of Electrical Engineering
- BARNHART, C. RAYMOND, M.A.
Assistant Professor of Art
- BEALS, WENDELL EVERETT, M.B.A., C.P.A.
Associate Professor of Accounting
- BEAUMONT, HENRY, Ph.D.
*Associate Professor of Psychology, Director of Bureau of
Industrial Psychology*
- BEERS, HOWARD W., M.S., Ph.D.
*Professor of Rural Sociology; Rural Sociologist, Experiment
Station*

- BEKKER, KONRAD, Dr. jur., Ph.D.
Instructor in Economics
- BENTLEY, LEORA EVALYN, B.S.
Instructor in Home Economics
- BEST, HARRY, LL.B., Ph.D., LL.D.
Professor of Sociology
- BIGGE, ADOLPH EDMUND, M.A., Ph.D.
*Professor of German, Head of the Department of German
Language and Literature*
- BILLS, ROBERT E., B.S.
Science, University School
- BOYD, PAUL PRENTICE, M.A., Ph.D., LL.D.
*Professor of Mathematics, Head of the Department of Mathe-
matics, Dean of the College of Arts and Sciences*
- BRADFORD, LAWRENCE ALLEN, M.S.
Associate Professor of Farm Management
- BRADY, GEORGE KEYPORTS, M.A., Ph.D.
Professor of English
- BRAUER, ALFRED, M.A., Ph.D.
Professor of Zoology
- BRIGGS, WALLACE EARL, M.A.
Instructor in English; Director of Guignol Theater, 1945-46
- BROWN, AUBREY J., M.S., Ph.D.
*Assistant Professor of Markets and Rural Finance; Assistant in
Markets, Experiment Station*
- BROWN, ERNEST BENTON, JR., M.S.
Assistant Professor of Anatomy and Physiology
- BROWN, MARION CLAY, M.A.
Assistant Professor of Mathematics
- BUCKLER, WILLIAM E., M.A.
Instructor in English
- BUREAU, ERNEST ADOLPHE, B.S., Ph.B., E.E.
*Professor of Electrical Engineering, Head of the Department of
Electrical Engineering*
- CALLAWAY, BERNICE NAYLOR, A.B. in Ed., M.A.
First Grade, University School
- CALLIHAN, ANNE W., A.B.
Assistant Professor of Art
- CAPURSO, ALEXANDER ALEXIS, B.S. in Mus., M.A., Ph.D.
Professor of Music, Head of the Department of Music

- CARD, DANA GEORGE, M.S., Ph.D.
*Associate Professor of Agricultural Economics; Assistant in
Market, Experiment Station*
- CARPENTER, CECIL C., M.S., Ph.D.
Professor of Economics
- CARSON, GEORGE BARR, JR., M.A., Ph.D.
Assistant Professor of History
- CARTER, LUCIAN HUGH, M.A., Ph.D.
Professor of Economics
- CARTY, D. J., B.S.
Visiting Instructor in Education
- CHAMBERLAIN, LEO MARTIN, M.A., Ph.D.
Dean of the University and Registrar
- CHAMBERS, ALVIN LEE, C.E.
Associate Professor of Testing Materials
- CHAMBERS, JOHN SHARPE, M.S., M.D.
*Professor of Hygiene and Public Health, Head of the Depart-
ment of Hygiene and Public Health; Director of University
Health Service*
- CHEEK, FRANK JACOBS, JR., A.B., C.E., M.S.
Professor of Sanitary Engineering
- CHERRY, RALPH WALTER, M.A., Ed.D.
Associate Professor of Education
- CHURCH, ELSIE, M.A.
Mathematics, University School
- CLARK, THOMAS D., M.A., Ph.D.
Professor of History, Head of Department of History
- CLIFTON, LOUIS, M.A.
Director of University Extension
- COFFINBERRY, ARTHUR S., S.D.
Associate Professor of Metallurgical Engineering
- COLE, CONSTANCE L., B.S.
Instructor in Anatomy and Physiology
- CONROY KATHERINE, M.A.
Sixth Grade, University School
- COOKE, ARTHUR L., M.A., Ph.D.
Assistant Professor of English

- COOPER, THOMAS P., B.S., D.Sc., LL.D.
*Dean, College of Agriculture and Home Economics; Director of
Experiment Station; Director of Agricultural Extension*
- COTTERILL, ROBERT S., Ph.D.
Visiting Professor of History
- CRAWLEY, BETTY D., M.A.
Instructor in Mathematics
- CRAWLEY, CLYDE BROOKS, Ph.D.
Associate Professor of Physics
- CROFT, LYSLE WARRICK, M.A., Ph.D.
*Part-Time Assistant Professor of Psychology; Director of Uni-
versity Personnel Office*
- CROUSE, CHARLES STEVENS, E.M.
*Professor of Metallurgical Engineering, Head of the Department
of Mining and Metallurgical Engineering*
- CRUMPTON, CHARLES R., M.S.
Instructor in Industrial Education
- CULLIS, LELA
Instructor in Applied Music (Organ)
- CUTLER, JOHN LEVI, M.A.
Instructor in English
- DANTZLER, LEHRE LIVINGSTON, M.A., Litt.D.
Professor of Philology; Head of the Department of English
- DAVIS, H. L., M.A., Ph.D.
Visiting Instructor in Education
- DAWSON, LYLE R., M.S., Ph.D.
*Professor of Physical Chemistry, Head of the Department of
Chemistry*
- DEBOER, JESSE, M.A., Ph.D.
Instructor in Philosophy
- DIMMICK, GRAHAM B., Ph.D.
Professor of Psychology
- DIMOCK, WILLIAM WALLACE, D.V.M.
*Professor of Veterinary Science; Head of the Department of
Animal Pathology, Experiment Station*
- DONOVAN, HERMAN LEE, M.A., Ph.D., LL.D.
President of the University
- DOWNING, HAROLD HARDESTY, B.C.E., M.S., Ph.D.
Professor of Mathematics (in charge of Astronomy)

- DUNCAN, MAY KENNEY, M. A.
*Professor of Elementary Education, Head of the Department of
Elementary Education*
- DUNN, D. Y., M.A.
Visiting Instructor in Education
- EDELMANN, ALEXANDER, M.A., Ph.D.
Assistant Professor of Political Science
- ELLIAS, LORETTO C., B.S.
Instructor in Bacteriology
- ELLIOTT, NORRIS RAYMOND, B.S.
*Professor of Landscape Architecture and Floriculture; Field
Agent in Horticulture, Agricultural Extension Division*
- ELLISTON, ROBERT R., Captain, U. S. Army
Associate Professor of Military Science and Tactics
- ELSEY, E. EVERETT, B.S. in M.E.
Associate Professor of Engineering Research
- ELY, FORDYCE, M.S., Ph.D.
Professor of Dairy Husbandry; In charge of Dairy Section
- ENGLAND, MERTON, Ph.D.
Instructor in History
- ERIKSON, STATIE ESTELLE, Ph.D.
*Professor of Home Economics, Head of the Department of Home
Economics*
- EVANS, ALVIN E., M.A., Ph.D., J.D.
Dean of the College of Law
- FARQUHAR, EDWARD FRANKLIN, M.A.
Professor of Literature
- FARRIS, ELGAN BROOKS, C.E.
*Chief Engineer, Department of Maintenance and Operations,
Part-time Associate Professor of Engineering*
- FERGUS, ERNEST NEWTON, M.S., Ph.D.
*Professor of Farm Crops; Agronomist in Charge Pastures and
Forage Crops, Experiment Station*
- FISCHER, LYDIA ROBERTS, M.A.
Instructor in Mathematics
- FUNKHOUSER, WILLIAM DELBERT, M.A., Ph.D., ScD.
*Professor of Zoology, Professor of Anthropology, Head of the
Department of Zoology; Dean of the Graduate School*

- GALLOWAY, LOUISE, A.B. in Ed.
Part-time Instructor in Library Science; Librarian, University School
- GINGER, LYMAN, V., M.A., in Ed.
Director, University School
- GRAHAM, JAMES HIRAM, C.E.
Dean of the College of Engineering
- GRILLOT, GERALD FRANCIS, Ph.D.
Assistant Professor of Chemistry
- HAGG, WILLIAM GEORGE, JR., M.S.
Assistant Professor of Anthropology and Archaeology; Curator, Museum of Anthropology and Archaeology
- HACKENSMITH, CHARLES WILLIAM, M.A.
Associate Professor of Physical Education, Acting Head of the Department of Physical Education to January, 1946
- HAHN, THOMAS MARSHALL, M.S., Ph.D.
Associate Professor of Physics
- HAINES, RUTH, M.A.
Art, University School
- HAMILTON, WILLIAM BROOKS, M.S., Ph.D.
Associate Professor of Hygiene, Bacteriologist for University Health Service
- HAMMONDS, CARSIE, M.A. in Ed., Ph.D.
Professor of Agricultural Education, Head of the Department of Agricultural Education
- HANKINS, THOMAS L., M.S.
Assistant Professor of Education, Head of the Department of Industrial Education
- HARTFORD, ELLIS FORD, M.A., Ed.D.
Professor of Education, Head of the Department of Curriculum and Instruction
- HAUN, ROBERT D., M.A., C.P.A., J.D.
Professor of Accounting
- HAWKINS, ROBERT DAWSON, M.E., M.S.
Professor of Theoretical and Applied Mechanics
- HEGEMAN, DANIEL V., Ph.D.
Associate Professor of German
- HEINZ, WILBUR AUGUST, M.S. in P.H.
Associate Professor of Hygiene

- HELTON, STELLA ELIZABETH, M.S.
Assistant Professor of Home Economics
- HENRY, LYLE K., Ph.D.
Associate Professor of Psychology
- HERNANDEZ, J. EDUARDO, M.A., Ph.D.
Associate Professor of Romance Languages
- HILLIARD, PAULINE, M.A.
Fifth Grade, University School
- HILTON, E. P., M.A.
Visiting Instructor in Agricultural Education
- HOLMES, SARAH BENNETT, M.A.
Dean of Women
- HOPKINS, JAMES FRANKLIN, M.A.
Instructor in History
- HORINE, JOHN SHERMAN, M.E.
Associate Professor of Engineering Drawing
- HORLACHER, LEVI JACKSON, M.S.
Professor of Animal Husbandry; Assistant Dean in Resident Teaching, College of Agriculture and Home Economics
- HORTON, LEWIS HENRY, M.A.
Assistant Professor of Music
- HOTCHKISS, MARGARET, Ph.D.
Assistant Professor of Bacteriology
- HULL, FLOYD EDGAR, D.V.M.
Professor of Veterinary Science; Associate Veterinarian, Experiment Station
- HUMPHREYS, HERBERT H., Ph.D.
Assistant Professor of Psychology
- HUMPHREYS, MARGARET BELL, M.A.
Business Education, University School
- HUMPHRIES, JAMES CHARLES, M.S., Ph.D.
Assistant Professor of Bacteriology
- HUTTER, HENRY K., M.A.
Assistant Professor of Geography
- IRVIN, DONALD, M.A.
Instructor in English
- JAGGERS, RICHARD E., M.A., Ph.D.
Visiting Instructor in Education
- JENNINGS, WALTER WILSON, M.A., Ph.D.
Professor of Economics

- JOHNSON, ERNST VERN, M.F.A.
Part-time Associate Professor of Architectural Engineering
- JONES, THEODORE TOLMAN, M.A., Ph.D.
Professor of Ancient Languages, Head of the Department of Ancient Languages and Literatures; Dean of Men
- KARRAKER, PERRY ELMER, M.A.
Professor of Soils; Agronomist in Soil Technology, Experiment Station
- KING, MARGARET ISADORA, A.B., B.S.
Part-time Instructor in Library Science, Acting Head of the Department of Library Science 1945-46; University Librarian
- KINKER, ELMER C.
Master Sergeant, U. S. Army, Instructor in Military Science
- KNIGHT, GRANT COCHRAN, M.A.
Professor of English
- KOPPIUS, OTTO TOWNSEND, Ph.D.
Professor of Physics
- KUIPER, JOHN, M.A.
Professor of Philosophy, Head of the Department of Philosophy
- LANKFORD, ANN ELIZABETH, A.B.
Instructor in Physical Education
- LATIMER, CLAIBORNE GREEN, M.S., Ph.D.
Professor of Mathematics
- LATZKE, VERNA, M.S.
Assistant Professor of Home Economics
- LAWRENCE, ARMON JAY, M.A., Ph.D.
Professor of Commerce and Education; Head of the Department of Business Education (College of Education)
- LEWIS, MILDRED SINCLAIR, B.S. in Mus.
Assistant Professor of Music
- LIGON, MOSES EDWARD, M.A., LL.D.
Professor of Secondary Education, Head of the Department of Secondary Education; Director of the Placement Bureau
- LINCICOME, DAVID R., M.S., Ph.D.
Instructor in Zoology
- LUNDE, ROBERT GERHARD, M.A.
Assistant Professor of History
- MCCUBBIN, WILLIAM E., A.B.
Instructor in Physical Education

- MCINTYRE, ROBSON DUNCAN, M.S. in Com.
Professor of Marketing and Salesmanship
- MACKENZIE, GABRIEL T., M.S.
*Colonel, U. S. Army, Professor of Military Science and Tactics,
Head of the Department of Military Science and Tactics*
- McFARLAN, ARTHUR CRANE, Ph.D.
Professor of Geology, Head of the Department of Geology
- MCINTEER, BERTHUS BOSTON, M.S., Ph.D.
Associate Professor of Botany
- McLAUGHLIN, MARGUERITE, A.B.
Assistant Professor of Journalism
- MACQUOWN, WILLIAM C., Ph.D.
Assistant Professor of Geology
- MANNING, JOHN WALKER, M.A., Ph.D.
*Professor of Political Science; Director, Bureau of Government
Research*
- MARTIN, JAMES WALTER, M.A.
*Professor of Economics; Director of the Bureau of Business
Research*
- MARTIN, LAURA KATHERINE, M.A.
Associate Professor of Library Science
- MAXWELL, E. S., M.D.
*Part-time Professor of Clinical Pathology, Department of
Bacteriology*
- MEADOW, JACOB R., M.A., Ph.D.
*Associate Professor of Chemistry, Director of Freshman
Instruction*
- MEECE, LEONARD E., M.A., Ph.D.
Associate Professor of Educational Administration
- MELLENBRUCH, PARL L., M.A., Ph.D.
Associate Professor of Psychology
- MEYER, ANDRE JOHANNES, B.S. in M.E.
Director of Aeronautical Research Laboratory
- MITCHELL, JOHN RICHARD, A.B.
Assistant Professor of Chemistry
- MOLLOY, JEANNETTE ELLIOTT ROBINSON, M.A.
Research Assistant, Bureau of School Service
- MOORE, B. G., B.S.
Visiting Instructor in Agricultural Education

- MORELAND, ROY, A.B., LL.B., J.D., S.J.D.
Professor of Law
- MORRISON, HENRY BARTLETT, Ph.D.
Associate Professor of Dairying, Assistant in Dairying, Experiment Station
- MULLER, WILLIAM A., M.A.
Instructor in Zoology
- MUMFORD, MARY, M.S.
Assistant Professor of Home Economics
- MURRAY, FRANK, A.B., LL.B., S.J.D.
Professor of Law
- NELSON, VINCENT E., Ph.D.
Associate Professor of Geology
- NEWBURY, EDWARD, M.A.
Assistant Professor of Psychology
- NISS, ROBERT J., Ph.D.
Associate Professor of Romance Languages
- NOLLAU, LOUIS EDWARD, M.E.
Professor of Engineering Drawing
- OBERST, PAUL, A.B., LL.B., LL.M.
Assistant Professor of Law
- OLNEY, ALBERT JACKSON, M.H., M.S.
Professor of Horticulture, Head of the Department of Agriculture
- PARDUE, LOUIS ARTHUR, M.S., Ph.D.
Professor of Physics
- PARKER, ETHEL LEE, M.A., Ph.D.
Professor of Home Economics Education, Head of the Department of Home Economics Education
- PECK, ANNA BROWNING, M.A.
Social Science, University School
- PENCE, SALLIE E., M.A., Ph.D.
Assistant Professor of Mathematics
- PETERSON, FRANK D., A.B.
University Comptroller
- PIFER, RAYMOND WOODROW, M.S.
Assistant Professor of Animal Husbandry; Assistant in Animal Husbandry, Experiment Station
- PLUMMER, LEONARD NIEL, M.A., Ph.D.
Professor of Journalism, Head of the Department of Journalism

- PORTMANN, VICTOR ROWE, B.J.
Assistant Professor of Journalism
- POTTER, MERWIN ELWOOD, M.A.
*Professor of Physical Education, Head of the
Department of Physical Education*
- RANDALL, FRANK HALL, A.B., LL.B., S.J.D.
Professor of Law
- RANNELLS, EDWARD WARDER, A.B., M.A.
Professor of Art, Head of the Department of Art
- REEVES, JOHN ESTILL, M.A.
Assistant Professor of Political Science
- RIGGS, CHARLES L., M.A.
Instructor in Mathematics
- RILEY, HERBERT PARKES, M.A., Ph.D.
Professor of Botany, Head of the Department of Botany
- ROBERTS, WILLIAM LEWIS, M.A., J.D., S.J.D.
Professor of Law
- ROBINSON, SALLIE ADAMS, M.A.
Visiting Instructor, University School
- ROMANOWITZ, HARRY ALEX, E.E., M.S.
Associate Professor of Electrical Engineering
- ROSE, DONALD, A.B.
Instructor in Mathematics
- ROSS, CLAY CAMPBELL, M.A., Ph.D.
*Professor of Educational Psychology, Head of the Department
of Educational Psychology*
- RYLAND, HOBART, M.A., Docteur de l'Universite
*Professor of Romance Languages, Head of the Department of
Romance Languages*
- SANDERS, IRWIN T., Ph.D.
Professor of Sociology, Head of the Department of Sociology
- SCHERAGO, MORRIS, B.S., D.V.M.
*Professor of Bacteriology, Head of the Department of Bac-
teriology*
- SCHICK, BLAINE WILHELM, M.A.
Assistant Professor of Romance Languages
- SCHWENDEMAN, JOSEPH R., M.A., Ph.D.
Professor of Geography, Head of the Department of Geography

- SEAY, MAURICE F., M.A., Ph.D., LL.D.
Professor of Educational Administration, Head of the Department of Educational Administration; Director of the Bureau of School Service
- SEEDS, FRANCES, M.S.
Assistant Professor of Home Economics
- SERVER, ALBERTA WILSON, M.A., Docteur de l'Universite
Associate Professor of Romance Languages
- SHANNON, JASPER BERRY, Ph.D.
Professor of Political Science
- SHAVER, ROBERT EZEKIEL, C.E.
Associate Professor of Civil Engineering
- SHIPMAN, MARTHA, M.A.
Eighth Grade, University School
- SKODAK, MARIE, Ph.D.
Visiting Instructor in Education
- SNEED, RUTH, M.S.
Instructor in Home Economics Education
- SNOW, CHARLES E., M.A., Ph.D.
Associate Professor of Anthropology and Archaeology
- SOUTH, DUDLEY EUGENE, M.A., Ph.D.
Associate Professor of Mathematics and Astronomy
- SPAIN, CHARLES R., M.A., Ed.D.
Associate Professor of Education
- SPICKARD, RONELLA, M.S.
Professor of Home Economics Education
- STEELE, DEWEY H., M.S., Ph.D.
Professor of Genetics; In Charge Section of Genetics
- STEPHENSON, WENDELL HOLMES, M.A., Ph.D.
Professor of History
- STERRETT, J. REID, M.A., Ph.D.
Associate Professor of English
- STEWART, OLUS JESSE, M.S., Ph.D.
Professor of Analytical Chemistry
- SULLIVAN, MERRELL RODMAN, M.A., Ph.D.
Professor of Economics
- SUMNER, LOTTIE E., M.S.
Assistant Professor of Home Economics
- TABB, WILLIAM ROY, M.S. in Ed.
Instructor in Agricultural Education

- TAYLOR, WILLIAM SEPTIMUS, M.S., Ph.D., LL.D.
Professor of Education, Dean of the College of Education
Engineering; Assistant Dean of the College of Engineering
- TERRELL, DANIEL VOIERS, C.E.
Professor of Civil Engineering, Head of the Department of Civil
Instructor in Farm Crops
- TEMPLETON, WILLIAM CHELCEY, JR., M.S.
- THOMAS, RUTH EDITH, M.A., Ph.D.
Assistant Professor of Commerce
- TOWNSEND, LEE HILL, M.S., Ph.D.
Associate Professor of Agricultural Entomology
- TRIMBLE, ERNEST GREENE, Ph.D.
Associate Professor of Political Science
- TUCKER, WILLIS CARLETON, M.A.
Associate Professor of Journalism
- VANDENBOSCH, AMRY, Ph.D.
Professor of Political Science, Head of the Department of
Political Science
- WAKEFIELD, JOYCE, B.S.
Instructor in Physical Education
- WALL, BENNETT H., M.A.
Instructor in History
- WALL, STANLEY, B.S. in Agr.
Instructor in Agricultural Education
- WALTON, SYLVAN BROOKS, M.E.
Associate Professor of Mechanical Engineering, Acting Head of
the Department of Mechanical Engineering
- WARD, WILLIAM SMITH, M.A., Ph.D.
Assistant Professor of English
- WARREN, A. BERNARD, Ph.D.
Assistant Professor of Psychology
- WATTERS, JAMES I., Ph.D.
Assistant Professor of Chemistry
- WEAVER, RALPH HOLDER, M.S., Ph.D.
Professor of Bacteriology
- WEBB, WILLIAM SNYDER, M.S., D.Sc.
Professor of Physics, Head of the Department of Physics;
Professor of Archaeology, Head of the Department of
Anthropology and Archaeology

WENDER, SIMON HAROLD, M.S., Ph.D.

Assistant Professor of Chemistry

WETZEL, HAROLD E., M.A.

Professor of Social Work, Head of the Department of Social Work

WHITTAKER, PAUL KNOWLTON, M.A., Ph.D.

Assistant Professor of German

WHITE, FRANK D., M.Ed.

Instructor in Mathematics

WHITE, MARTIN MARSHALL, M.A., Ph.D.

*Professor of Psychology, Head of the Department of Psychology;
Associate Dean of the College of Arts and Sciences*

WIEST, EDWARD, M.A., Ph.D.

Professor of Economics; Dean of the College of Commerce

WIGHTMAN, ERNEST THOMAS, M.S.

*Assistant Professor of Poultry Husbandry; Assistant in Poultry
Husbandry, Experiment Station*

WILFORD, EDWARD JAMES, M.S.

*Professor of Animal Husbandry; In Charge of Meats Laboratory;
Assistant in Animal Husbandry, Experiment Station*

WILLIAMS, J. B., M.A.

Visiting Instructor in Agricultural Education

WILLSON, LOUISE, M.A.

Third Grade, University School

WILSON, HAROLD G., B.S.

Visiting Instructor in Education

WOOLDRIDGE, MARY TERRELL, M.S.

Instructor in Home Economics

YOUNG, EARL ROBERT, M.S.

Associate Professor of Agricultural Engineering

YOUNG, RUTH THEOBALD, B.S. in L. S.

Visiting Instructor in Library Science

