

Bulletin of the

University of Kentucky

Summer Session

1950

June 19 to August 12

42:4 April

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1950

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BULLETIN OF THE

University of Kentucky



Summer Session, 1950

June 19 to August 12

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CALENDAR FOR 1950 SUMMER SESSION

June 19	Monday, 7:45 a. m.—Classification tests and physical examinations for all new undergraduate students
June 20	Tuesday, 8:00 a. m. to 4:30 p. m.—Registration and classification of all students, according to an alphabetical schedule
June 21	Wednesday—Class work begins
June 24	Saturday—Last date one may enter an organized class for the summer session
June 29	Thursday—Last date one may drop a course without a grade
June 30-July 1	Friday and Saturday—Period for filing application for degree
July 4	Tuesday—Independence Day holiday
August 11	Friday—Summer Session Commencement
August 12	Saturday noon—End of Summer Session

REGISTRATION SCHEDULE FOR 1950 SUMMER SESSION

June 19—Monday, 7:45 a. m.—All new students, except those entering the Graduate School, will report to the Memorial Building, for classification tests and physical examinations. These must be completed before registration.

June 20—Tuesday, 8:00 a. m. to 4:30 p. m.—Registration and classification of all students, according to the following alphabetical schedule:

Tuesday Forenoon

8:00 to 8:50—M through P
9:00 to 9:50—Q through S
10:00 to 10:50—T through Z
11:00 to 11:50—A through C

Tuesday Afternoon

1:30 to 2:20—D through G
2:30 to 3:20—H through L
3:30 to 4:30—Miscellaneous
A through Z

June 21—Wednesday—Class Work begins.

ADMINISTRATIVE ORGANIZATION

Herman Lee Donovan, M.A., Ph.D., LL.D., President
Leo M. Chamberlain, M.A., Ph.D., Vice President
Maurice F. Seay, M.A., Ph.D., LL.D., Dean of the University
Frank D. Peterson, A.B., University Comptroller
Albert Dennis Kirwan, M.A., Ph.D., Dean of Men
Sarah Bennett Holmes, M.A., Dean of Women
Lee Sprowles, M.A., Ed.D., Registrar
John Sharpe Chambers, M.S., M.D., Director of University Health Service
Louis M. Clifton, M.A., Director of University Extension
Lysle Warrick Croft, M.A., Ph.D., Director of University Personnel Office
Lawrence Sidney Thompson, M.A., Ph.D., Director of Libraries
Bart Nixon Peak, A.B., LL.B., Executive Secretary, University Young Men's
Christian Association
Margaret Wilson Durham, A.B., Secretary Young Women's Christian
Association
Thomas L. Hankins, M.S., Director of Northern Extension Center
Elmer Griffith Sulzer, M.S., Director of University Radio Station
Raymond Wesley Wild, A.B., Ph.M., Director of Public Relations

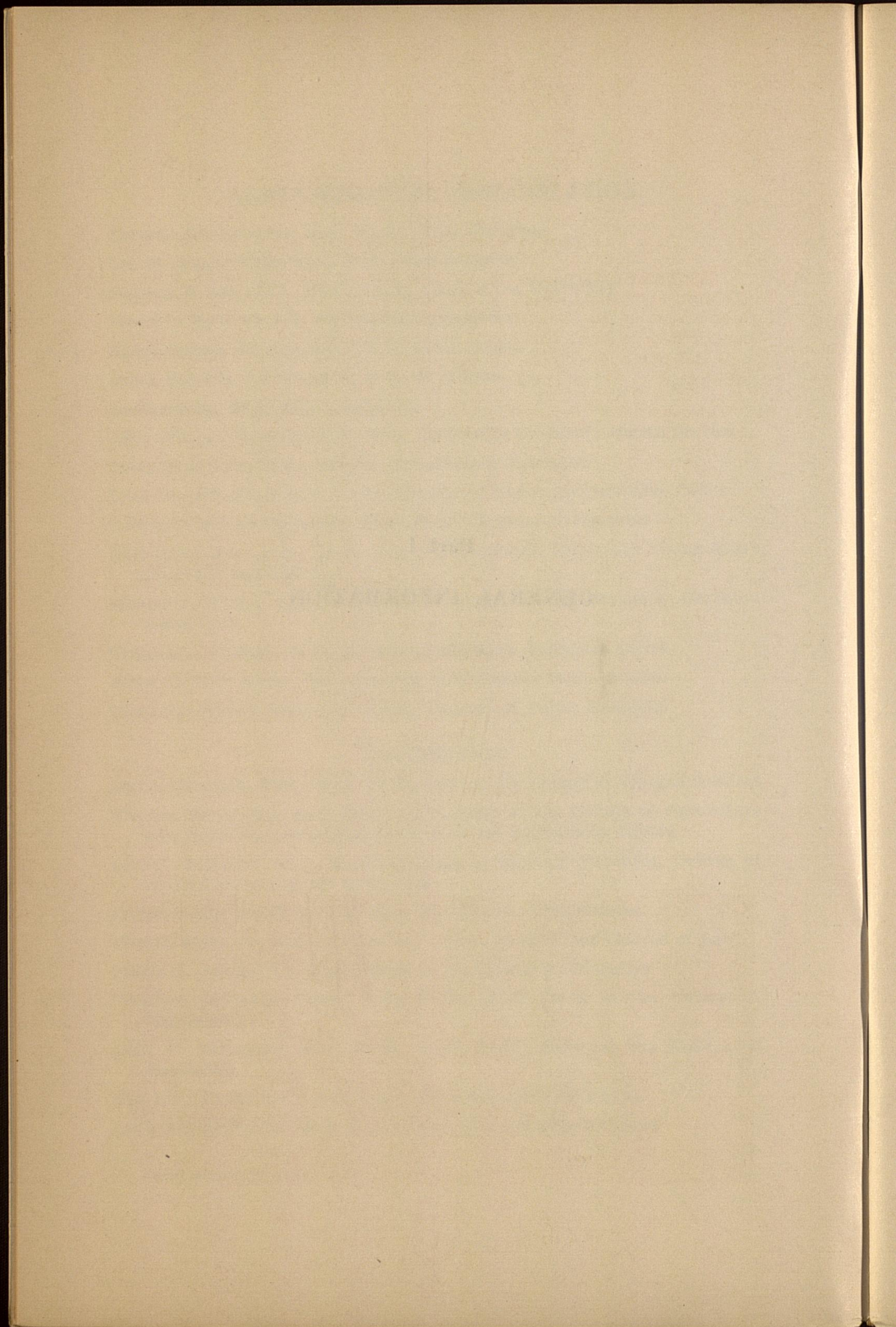
THE COLLEGES

Martin Marshall White, M.A., Ph.D., Dean of the College of Arts and Sciences
Thomas Poe Cooper, B.S., D.Sc., LL.D., Dean of the College of Agriculture
and Home Economics and Director of the Experiment Station
Levi J. Horlacher, M.S., Assistant Dean in Resident Teaching, College of
Agriculture and Home Economics
Daniel Voiers Terrell, C.E., Dean of the College of Engineering
Elvis J. Stahr, Jr., M.A., A.B. in Jur., B.C.L., Dean of the College of Law
Frank G. Dickey, M.A., Ed.D., Dean of the College of Education
*William Septimus Taylor, M.S., Ph.D., LL.D., Dean of the College of
Education
Cecil C. Carpenter, M.S., Ph.D., M.A., Ph.D., Dean of the College of
Commerce
Earl Platt Slone, Ph.G., B.S., Dean of the College of Pharmacy
Louis Arthur Pardue, M.S., Ph.D., Dean of the Graduate School

* Died August 26, 1949.

Part I

GENERAL INFORMATION



GENERAL INFORMATION

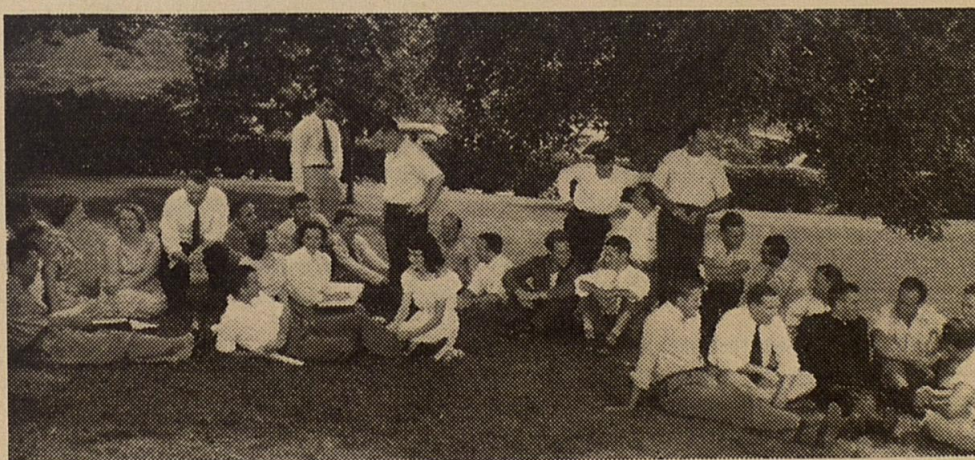
THE SUMMER SESSION FOR 1950

The course offering during the 1950 Summer Session will be almost as extensive and varied as during the regular school year. As indicated in a later section of this bulletin, courses will be offered for graduates and undergraduates in the College of Arts and Sciences, the College of Agriculture and Home Economics, the College of Engineering, the College of Law, the College of Education, and the College of Commerce.

In particular, the needs of the following groups have been kept in mind in planning the Summer Session program for 1950:

1. The high school boy or girl who graduates this spring and wishes to begin college work without delay.
2. The veteran who is eligible for educational benefits under Public Law 16 or 346. It will be desirable for the veteran recently discharged to begin his college studies at the earliest date possible. Those already enrolled will find it desirable to continue in school through the summer, in order that graduation may be achieved with the least loss of time.
3. Teachers, principals, supervisors, and superintendents who wish to further their preparation for educational work. The in-service education of teachers lagged greatly during the war, and it is expected that hundreds of teachers and other school officials will now wish to continue their summer studies.
4. All students, women and men, who are in college and wish to accelerate their programs of study.

A Summertime Class at U.K.



5. Other persons who need certain courses to advance in their specific vocations, and to meet the requirements of the postwar economy.

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

ACCREDITED RELATIONS

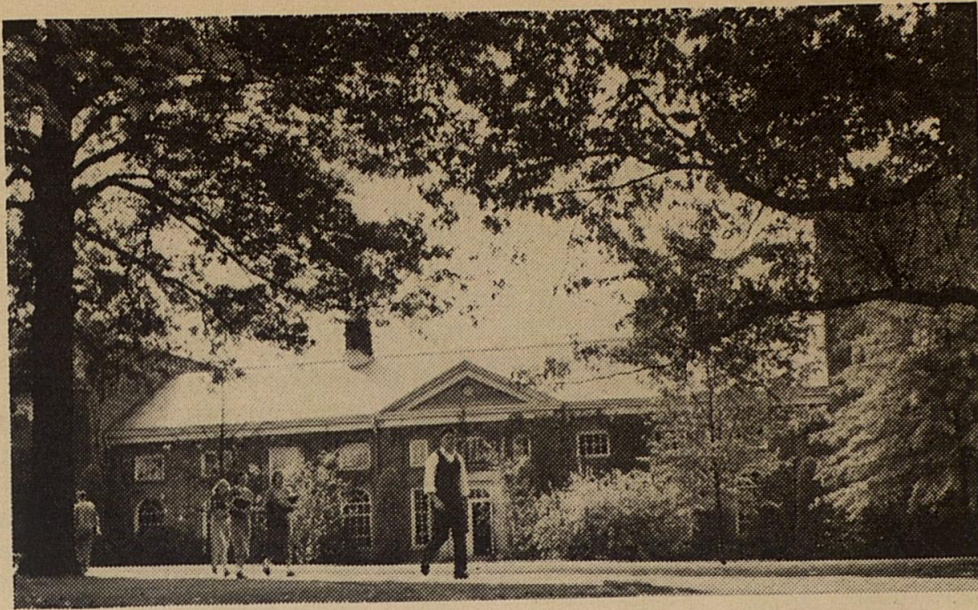
The University of Kentucky is on the approved list of the Association of American Universities, and is a member of the Southern Association of Colleges and Secondary Schools and the Kentucky Association of Colleges and Secondary Schools. It is accredited in its respective colleges or departments by the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

THE ENVIRONMENT OF THE UNIVERSITY

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

Many of the famous horse farms, some individual establishments containing more than a thousand acres, are open to visitors throughout the year. These farms, with their broad pastures, sparkling streams, woodlands, and paved roads provide Fayette County with a system of parks which is unique. Elmendorf; Walnut Hall; Calumet, home of Citation; Castleton; Hamburg Place; Dixiana; and Coldstream, are among the beautiful horse farms in Fayette County open to visitors.

Points of particular interest in Lexington, other than the nearby farms, are Ashland, the home of Henry Clay; General John Hunt Morgan's home; the home of Mary Todd, wife of Lincoln; the vast tobacco warehouses; the Keeneland Race Track; the track of the Kentucky Trotting



A scene on the campus.

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; Shaker-town; Fort Harrod and its adjacent Pioneer Cemetery; the Old Kentucky Home; the Palisades of the Kentucky River; and many other points of historical and scenic interest.

STUDENT UNION BUILDING

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

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

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

PLACEMENT SERVICE

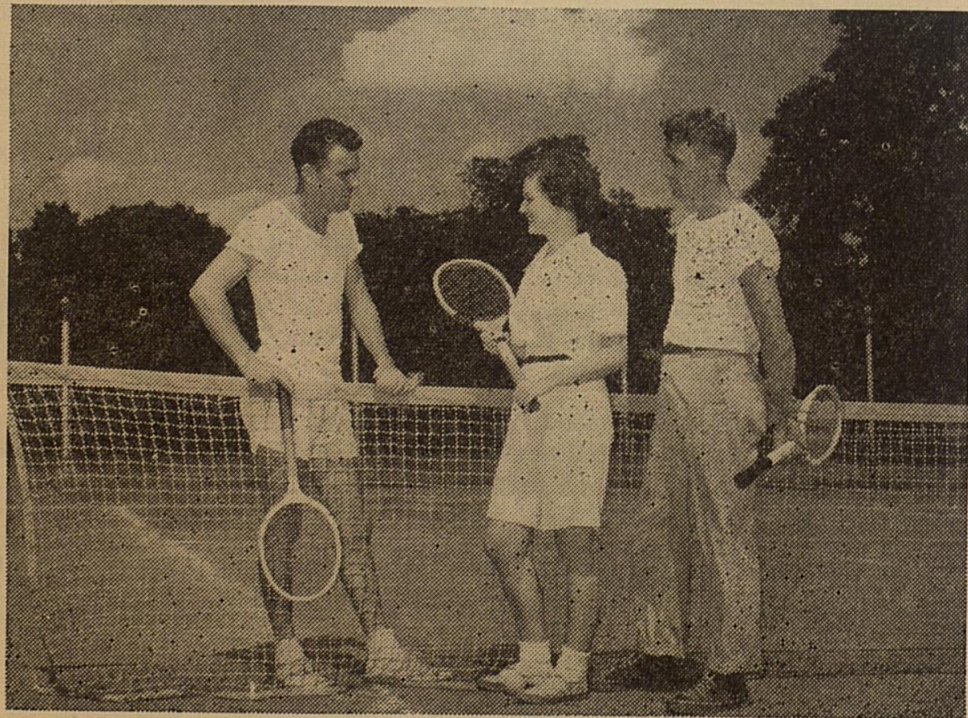
There is a constantly growing demand for the services of the graduates of the University of Kentucky. Placement services are maintained by

several colleges on the campus and every attempt is made to procure for the students and for the graduates of the University the type of employment which will enable each one to achieve the best results.

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

The Teacher Placement Bureau of the College of Education is designed 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 long list of successful Alumni of the College of Engineering is indicative of its reputation for educating men for careers in the engineering and industrial world. Its graduates are continually in demand and contact between industries and the College is maintained through an Em-



Time Out for a Moment of Relaxation.



Lexington Provides Many Recreational Facilities.

ployment Placement Service. This service is considered as part of the College's obligation to its students and every effort is made to give each graduate the opportunity for a position of his preference.

RECREATIONAL ACTIVITIES

The summer months are vacation and recreation time. Provision is made for Summer Session students to participate in numerous recreational activities and to learn the fundamental skills and techniques involved. The Physical Education Department is offering recreational courses for men and women students in archery, badminton, tennis, social and folk dancing, volley ball, bowling, swimming, camping, and intramural sports. This is an opportunity for every summer session student to receive expert instruction in any or all of the above mentioned activities. If you are a novice it is your chance to learn; if an expert performer, it is your chance to participate under wholesome and enjoyable circumstances.

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

During the summer, many features will be added. The weekly movies will be continued. Musical programs, faculty recitals, lectures, summer

opera in Cincinnati and Louisville, Blue Grass tours, picnics, dances, receptions, and teas are examples of some of the extracurricular offerings. In addition to the overall program, departmental programs are many and varied. All Summer School students will find these activities profitable and enjoyable. The fourth annual Family Life Institute will be held July 18 to 20, with headquarters at Memorial Hall. The Institute will be open to students and other interested citizens. Programs may be obtained from the Department of University Extension.

THE UNIVERSITY SCHOOL AND STUDENT TEACHING

The University Elementary School will be in session from Monday, June 12, through Friday, July 21. Classes in the school will meet five days a week from 8:00 to 12:00 o'clock. No tuition is charged for the summer session. Summer school students who have children of elementary school age have an opportunity to place them in the University School. The Elementary School maintains a modern program of education that should be of interest to parents attending the University of Kentucky summer session. Persons desiring to avail themselves of the opportunities of the University School should write the Director requesting reservations for their children.

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

Student teaching during the summer session will be limited to persons who have had previous teaching experience. Student teaching at the secondary level will be provided through the facilities of public schools within the area of the University.

SUMMER SESSION IN MEXICO

The Third Summer Session in Mexico for students and teachers of Spanish will be held in the ancient city of Puebla, beginning June 19 and closing August 12. The objectives of the session are to develop proficiency in the oral use of Spanish, furnish a first hand knowledge of Spanish-American life, and make possible an interchange of cultural ideas. It is organized for undergraduate and graduate students and offers exceptional opportunities for teachers of Spanish to improve their knowledge of the language. Work taken in the Summer Session in Mexico will be recorded as University of Kentucky residence credits, transferable to other institutions by transcript upon application to the Registrar of the University of Kentucky. Application should be filed, not later than April 15, by writing Dr. Alberta Wilson Server, of the Department of Romance Languages.

LENGTH OF SESSION

The Summer Session of the University of Kentucky for 1950 will be eight weeks in length, six days a week. The session will open June 19 and close August 12. Classes during the Summer Session will begin at 7:00 a.m.

ADMISSION

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

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

To the Freshman Class. Applicants who are graduates of accredited high schools will be admitted to the University on certificate, provided they have at least fifteen units of acceptable high school work. A unit represents the study of any subject for a school year of at least thirty-two weeks, with five recitation periods a week, each of at least forty-five minutes in length, or the equivalent thereof. Double periods are required in shop, drawing, typewriting, and all other courses which demand no out-of-class preparation. One unit is the minimum credit accepted in any foreign language, and one-half unit the minimum in any other subject.

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

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

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

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

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

As an Auditor. By payment of the required fees any person 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 on the preceding pages.

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

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

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

College of Education. In addition to meeting the general admission requirements of the University, outlined on the preceding pages, the applicant for admission to the freshman class of the College of Education must rank in the upper three-fourths on the University classification tests. In order to transfer to the College of Education from another institution or from another college of the University, a student must have a standing of 1.0 or higher.

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

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

The Graduate School. A graduate of a fully accredited institution of higher learning may be admitted to the Graduate School upon evidence of graduation and an official transcript of undergraduate courses. However,

such admission does not obligate the University to accept all credit granted by the undergraduate school. When full credit is not granted, the student will be required to do more than the normal amount of work to complete a graduate degree. Applications from graduates of institutions not fully accredited will be individually evaluated.

NUMBERING OF COURSES

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

STUDENT LOAD

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

FEES

For the summer session the full-time fee for all Kentucky students, except those enrolled in the Law School, will be \$30.00 and for students in the Law College the fee will be \$31.50. For out-of-state students, in all colleges except law, who entered before September 1, 1947, the fee will be \$45.00, and for those entering after September 1, 1947, the fee will be \$60.00. The fee for out-of-state students in the Law College will be \$46.50 and \$63.00 respectively.

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

For special fees see the University Catalog.

REFUNDS

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

LATE REGISTRATION

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

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

MARKING SYSTEM

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

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

The standing of a student is defined as the ratio of his total number of points to his total number of credits. When a semester's work is to be considered a standing is understood to be the ratio of the number of points gained to the number of credits scheduled.

ROOM AND BOARD

Application for a room in the Women's Residence Halls should be made to the Dean of Women, and for a room in the Men's Residence Halls to the Dean of Men. Each application should be accompanied by a reservation fee of \$10.00. If a check is sent in payment of this fee it should be made payable to the University of Kentucky. **Refunds of this fee will be made only in case notification of cancellation is given the Dean of Women or the Dean of Men at least thirty days before the session opens for which the reservation is made.** Upon occupancy of the room by the student, this fee will be held as a damage deposit to be returned at the close of the session.

Women's Residence Halls. As the housing shortage has seriously limited the number of available rooms in Lexington, prospective students should make reservations for the Residence Halls or Sorority Houses as early as possible. The three large halls and as many of the smaller units as needed will remain open. Meals will be served in the central dining unit of the Residence Halls. The cost of room and board is \$100 per summer session.* Bed linens are furnished but students should bring blankets and towels. An application blank for reserving a room in the Residence Halls should be secured from the office of the Dean of Women but a reservation will not be made until the completed application is returned accompanied by the

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



Boyd Hall, one of the residence halls for women.

\$10 deposit. Admission to the University by the Registrar's Office does not constitute a reservation in the Residence Halls. All room assignments are made in the order of receipt of the completed application. In order to hold a room beyond the regular registration dates, special arrangements for late arrival should be made with the Dean of Women.

Men's Residence Halls. All freshman men are required, by order of the Board of Trustees, to live in the Men's Residence Halls as far as space is available. Upperclassmen will be accepted in the halls if they cannot be filled with freshmen. The Office of the Dean of Men also maintains a list of rooms in private homes which are available to students. Students may consult this list by calling at the Dean of Men's Office.

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

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

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

For the 1950 Summer Session prices of rooms in the Men's Residence Halls will range between \$22.50 and \$34.50.

The University also maintains Officer Type Barracks, which were erected by the Federal Housing Administration and are operated under Government direction. Rent for the session per person will range between \$22.50 and \$25.00. An extra charge will be made of students who remain in the halls during vacation periods.

UNIVERSITY HEALTH SERVICE

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



Bowman Hall, a New Dormitory for Men.

REQUIREMENTS FOR GRADUATION

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

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

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

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

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

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

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

No graduate credit is given for courses taken by correspondence.

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

Application for a Degree. All students in residence during the summer session who are to be candidates for degrees in August should make formal application in the office of the Registrar on Friday and Saturday, June 30 and July 1. **No applications for graduation in August will be received after July 12.** 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 B.M.; 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 masters and doctors degrees in the Graduate School.

The Degree of Bachelor of Arts. For the degree of Bachelor of Arts the student is required to gain a total of 128 credits and 128 points; that is, a standing of 1.0, subject to the following conditions.

OUTLINE OF REQUIREMENTS FOR GRADUATION

Lower Division—Freshman and Sophomore Years

General Requirements:

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

General Hygiene, first or second semester, 1 credit.

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

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

Group Requirements:

1. **Foreign Languages.** (French, German, Greek, Italian, Latin, Russian, Spanish. Required: Passing a proficiency examination.
2. **The Humanities.** To satisfy the lower division requirements in the Humanities students in the College of Arts and Sciences must earn four credits in literature and philosophy (Humanities A, B, or C) and

two credits in Art or Music (Humanities D or E). These courses should be taken during the sophomore year, and two courses from A, B, or C may not be taken simultaneously.

3. **The Social Studies.** The student is permitted to choose two of the following courses, to satisfy the group requirement in the social studies: History 5a, b, 4a, b, Political Science 51a, b, Anthropology 3a, Sociology 3a, b, Geography 3a, b.

4. **The Biological Sciences.** Students may satisfy the biological group requirements by completing a minimum of six semester credits from the following courses: Anatomy and Physiology 2, 10; Anthropology 1; Bacteriology, 2a, b, 52; Botany 1, 2, 25; Psychology 1a, b; Zoology 1.

Note.—Six credits of the courses that satisfy the biological and physical sciences requirements must be in courses that have laboratory.

5. **The Physical Sciences.** Students will be permitted to take work in either one or two departments in order to satisfy the physical science requirement. Six or more credits can be taken from the following courses: Astronomy 51a, b; Chemistry 1a, b, 4a, b; Geology 50a, b (50a is prerequisite for 50b), 3, 30a, b; Mathematics 5, 17, 18, 19; Physics 1a, b, 3a, b, 51a, b (51a is prerequisite for 51b). See note under Biological Sciences.

Note.—A student must have attained a standing of 1.0 in order to be promoted to the next higher classification.

Freshman Core Curriculum

Credits

General Hygiene	1
Military Science (men)	4
Physical Education	0
English	6
Social Studies	6
Physical or Biological Sciences	6
Foreign Languages or free electives	6

Total number of credits required in Lower Division, 64.

The normal load per semester is 16 credits.

Rules and Procedures

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



One of the Interesting Summer Session Meetings.

Upper Division—Junior and Senior Years

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

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

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

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

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Agriculture

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

to the degree. The student is responsible for meeting the requirements for graduation.

The General Curriculum in Agriculture enables the student to obtain a general education and at the same time pursue some specialization in a chosen field. In this curriculum the student has the privilege of selecting one of the following options for study during the junior and senior years: Agricultural Entomology, Agricultural Extension, Agricultural Inspection, Agricultural Science, Agronomy, Farm Economics, General Agriculture, Markets and Rural Finance, Rural Sociology, Soil Conservation, and Vocational Agriculture.

The Curriculum in Agricultural Economics prepares students for business opportunities in agriculture and allied industries.

The Curriculum in Agronomy prepares students to pursue graduate work, to be specialists in soils and crops, and to farm.

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

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

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

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

An undergraduate transfer student is required to complete in the University a minimum of 68 credits, including 43 in agriculture. The College of Agriculture and Home Economics and Eastern Kentucky State College have in operation a cooperative plan which recognizes all courses in agriculture taught at Eastern as carrying course and residence credit toward the degree, Bachelor of Science in Agriculture, awarded by the University of Kentucky.

A student having a bachelor's degree may be eligible for the degree Bachelor of Science in Agriculture when he has completed the requirements of a curriculum in agriculture. This shall consist of not less than thirty credits beyond the first degree.

Home Economics

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

these qualifies for the degree. The student is responsible for meeting requirements for graduation.

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

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

A transfer student is required to complete in the University a minimum of seventeen credits of home economics.

COLLEGE OF ENGINEERING

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

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

Bachelor of Science in Civil Engineering

Bachelor of Science in Electrical Engineering

Bachelor of Science in Mechanical Engineering

Bachelor of Science in Metallurgical Engineering

Bachelor of Science in Mining Engineering

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

There will be a freshman class in engineering beginning work in the Summer Session of 1950.

THE COLLEGE OF LAW

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

The courses in the College of Law for the Summer Session are planned with special reference to three types of students: first, students who desire to shorten the three-year period by studying during the summer; second, public school teachers who desire to know something about the law either for their own benefit or for the purpose of advising students; third, lawyers, probate judges, and prosecuting attorneys who desire either to complete their work for a degree or to become acquainted with recent developments of the law. However, no new class of beginning students is admitted to the College during the Summer Session. The next regular class of new students will be admitted in September, 1950.

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

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

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

Those interested in fuller information about the standing and facilities of the College are invited to write the Dean, requesting a copy of the Bulletin of the College of Law.

COLLEGE OF EDUCATION

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

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

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

General Requirements for Students in the Field of Secondary Education

A student who majors in secondary education must complete 128 credits with a standing of 1.0 to be graduated. Majors in secondary education have the following options in the choice of curricula leading to certificates: (1) an area of concentration, (2) two majors, (3) one major and two minors, or



Summer Session Commencement Procession.

(4) one major and one minor when the credit in both is 48 credits, (54 credits when English is included as a major.

Teaching Majors, Minors, and Areas of Concentration

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

A minor shall require 18 credits.

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

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

Each candidate must present not less than 27 credits distributed among three fields with not fewer than 6 credits in any field. Two of these three groups must be in fields different from the majors and minors or area of concentration. One group may be in the same field but not in the same

subject as the major or one minor. The fields from which the 27 credits may be selected are:

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

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

General Requirements for Students in the Field of Elementary Education

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

I. General Requirements	Credits
a. English, including composition, speech, English and American literature	15
b. Science, including heredity	12
c. Social Sciences, including American History, Kentucky History, Sociology, and Geography	21
d. Fine Arts, including public school music and public school art	6
e. Psychology	6
f. Nutrition	3
g. Health and Physical Education	6
II. Professional Preparation	
a. Child Growth and the Curriculum	6
b. Industrial Arts in the Elementary School	2
c. Teaching Arithmetic in the Elementary School	3
d. The Teaching of Reading	3

e. Children's Literature	3
f. Science in the Elementary School	3
g. Student Teaching in the Elementary School	12
III. Electives	27

COLLEGE OF COMMERCE

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

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

COLLEGE OF PHARMACY

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

THE GRADUATE SCHOOL

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

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

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

Minimum Requirements for the Masters Degree. A candidate for the degree of Master of Arts or Master of Science is required to complete 24 credits of graduate work of which two-thirds is in a major and one-third in electives, spend a full year in residence, present an acceptable thesis, have a reading knowledge of one modern foreign language and pass a final oral examination. He must maintain a standing of 2.0.

Minimum Requirements for Professional Degrees. Professional Masters' degrees in Education, Agriculture, Engineering, Home Economics, and Public Health may be secured with the same requirements as given above except that there is no language requirement. In Education 6 additional credits may be offered in lieu of the thesis with permission of the department. In Agriculture and Home Economics, 12 additional credits and 9 additional weeks may be offered in lieu of the thesis with departmental consent.

General Requirements for a Masters Degree. All candidates for any master's degree must have completed the equivalent of a B.A. or B.S. degree in a fully accredited institution. Part-time residence during any semester or summer session is computed on the basis of one and one-half weeks of residence for each credit earned, but the amount of residence for part-time work in the regular school year is limited, except for graduate assistants and part-time instructors, to not more than six weeks in any one semester.

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

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

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

The doctors 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 completion of three years of study, it should be understood that this time requirement is a minimum and is wholly secondary to the matter of scholarship. Neither time spent in study, however long, nor the accumulation of facts, however great in amount, nor the completion of advanced courses, however numerous, can be substituted for independent thinking and original research.

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

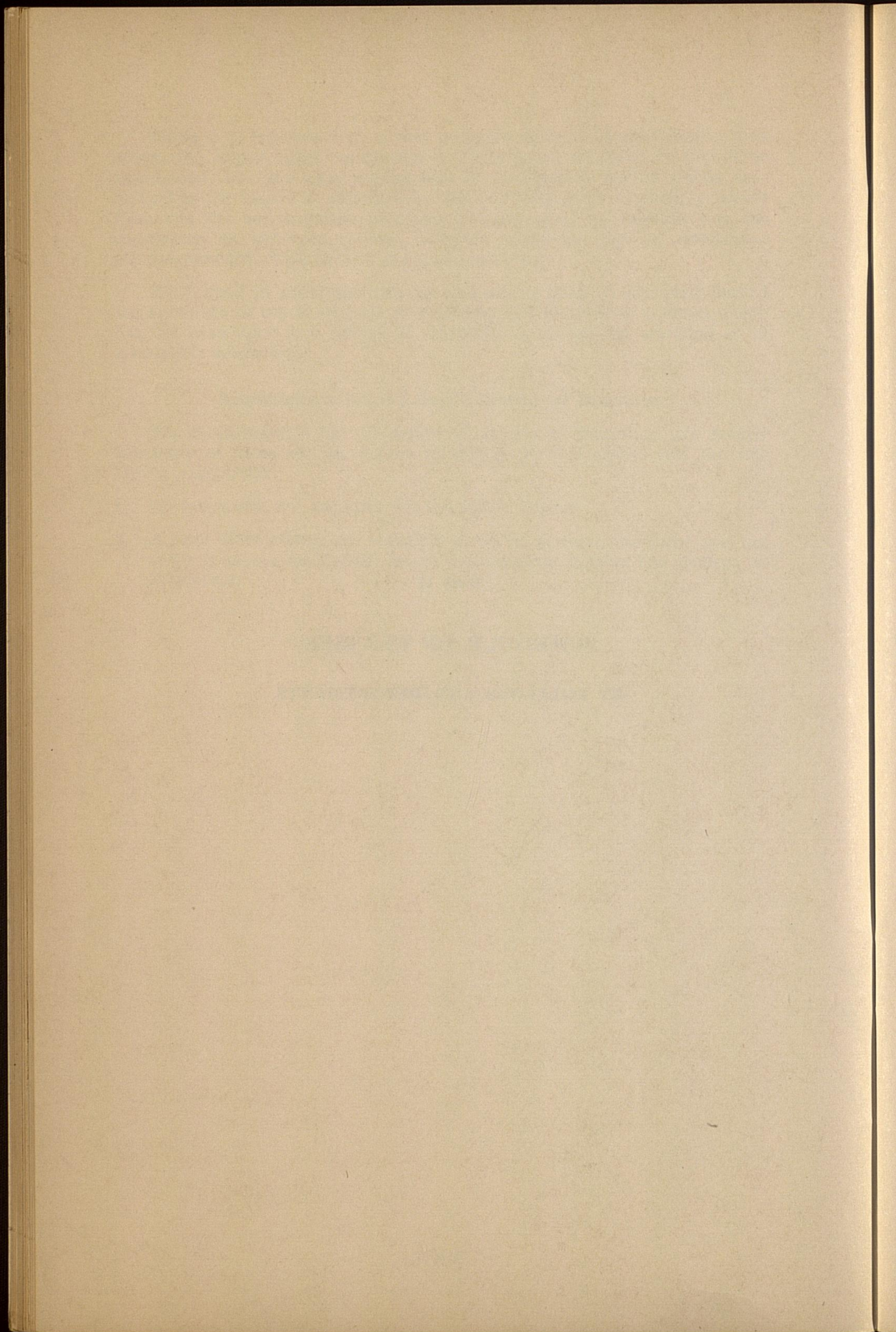
Requirements for the Degree Doctor of Education

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

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

Part II

**SCHEDULE OF CLASSES
BY COLLEGES AND DEPARTMENTS**



EXPLANATIONS AND ABBREVIATIONS

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

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

The buildings are indicated as follows:

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

RECITATION HOURS**

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

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

INSTRUCTIONS FOR CLASSIFICATION

1. After you have registered go to the Dean's booth in the Men's Gymnasium, for information and assignment to your adviser.
2. Make out your schedule with the help of your adviser.
3. In making out your schedule write, in the proper spaces, the **name** of the **department** with the course and section numbers.
4. After classes are assigned leave four copies of your schedule at your Dean's booth.
5. **Any changes** from the original schedule must be made in the Dean's office. To drop a subject at any time during the quarter, you should first consult your Dean.
6. Extra work petitions must be presented when schedules exceed the amount permitted by the college in which you are enrolled. A standing of 2.0 is required.
7. Four copies of your completed schedule must be filed with your Dean before the close of the registration period. Failure to do this may result in loss of credit for the term.
8. A course cannot be added to your schedule after June 24.

COLLEGE OF ARTS AND SCIENCES

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

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

ANATOMY AND PHYSIOLOGY

R. S. Allen, Head of Department, Funkhouser Biological Sciences, 304.

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: Anatomy and Physiology 10; Zoology 1; Botany 1; Physics 1a and 1b; Chemistry 1a and 1b. Required: A minimum of 3 elective credits of advanced work in Anatomy and Physiology plus the courses, Anatomy and Physiology 107, 108, 109, 116a and 116b, and passing a comprehensive examination in the Senior year.

LOWER DIVISION REQUIREMENTS - See Page 20

*2	Elem. Anat. & Physiol., Lec. & Rec.	3	3	M-S	FB	313	Allen
10-1	Gen. Physiol., Lec.	) 5	2	(M-S	FB	307	Boyarsky
10-2	Gen. Physiol., Lab.		1:00-	(
		)	2:50	(TWThF	FB	307	Assistant

Prereq: Chem. 1a & 1b; Physics 1a & 1b. Physics may be taken concurrently.

Courses open only to Upper Division and Graduate Students:

C105	Arch. of the Human Skeleton, Lec. & Rec.	3	4	M-S	FB	306	Allen
	Prereq: Junior standing.						
106	Intro. to Endocrinology	3	2	M-S	FB	313	Archdeacon
	Prereq: A. & P. 10 or the equiv; Zool. 7b; Chem. 1a & 1b; & the Instructor's consent.						
108	Circulation, Respiration, & Metabolism	3	4	M-S	FB	307	Archdeacon
	Prereq: A. & P. 10 or the equiv.						
109	Cellular Physiol.	3	5	M-S	FB	306	Boyarsky
	Prereq: A. & P. 10 or the equiv., Physics & Gen. Chem.						

Course open only to Graduate Students:

201a-i	Res. in Physiol.	3 ea.	By Appt.		FB	303a 304a 305a	Staff
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ANCIENT LANGUAGES

Jonah W. D. Skiles, Head of Department, Frazee, 102

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prereq: First two years of college Latin or Greek. Required: A minimum of 15 credits of advanced work in Ancient Languages; Tutorial Seminar; comprehensive examination in the Senior year.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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ANCIENT LANGUAGES - Cont.

Note--The student who presents one unit of high school foreign language will be permitted to enroll in first year work for full credit. The student who presents two units of high school foreign language will be permitted to enroll in first year work, but will receive credit only if he makes at least a B standing in this course.

LOWER DIVISION REQUIREMENTS - See Page 20

*C1a	Beginning Latin	1	2	M-S	FH	106	
*C1b	Elemen. Latin Reading	2	2	M-S	FH	106	

(C1a and C1b are planned as a refresher sequence for teachers and may not be taken separately. Other students having had one or two years of high school Latin will be admitted for undergraduate credit.)

Courses open only to Upper Division and Graduate Students:

120	Greek Civilization	2	5	MTFS	FH	106	Skiles
150	The Tchg. of Latin	3	3	M-S	FH	106	Skiles
C150	The Tchg. of Latin (Demonstration Class in Beginning High School Latin June 21-July 15)	1	4	M-S	FH	106	
C150	The Tchg. of Latin (June 19-July 15)	4	3,4,5	M-S	FH	106	Skiles
151a-h	Indp. Wk. in Ancient Languages (Reading, grammar and composition, and research courses in Greek or Latin to suit the needs of individual students.)	3 ea.	By Appt.		FH	102	Skiles

ANTHROPOLOGY

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the Social or Biological Sciences groups during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Anthropology 1 and 2; Sociology or Geography 3a. Required: A minimum of 24 credits of advanced work, including Anthropology 105, 106, or 107; 115; 125; 150a-b.

LOWER DIVISION REQUIREMENTS - See Page 20

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

*1	Intro. to Phy. Anthro.	3	1	M-S	SS	128	Snow
*2	Intro to Cultural Anthro.	3	3	M-S	SS	128	Essene
*3a	Societies Around the World	3	2	M-S	SS	231	Essene

Courses open only to Upper Division and Graduate Students:

103a,b,c,d	Indp. Wk. in Anthro.	3 ea.	By Appt.		SS	127	Staff
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ART

Edward W. Rannels, Head of Department, Fine Arts, 207

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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ART - Cont.

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

LOWER DIVISION REQUIREMENTS - See Page 20

10a	Pub. Sch. Art	2	7,8 & 6 hrs.	TTh By Appt.	FA	308	Fitz
10b	Pub.Sch. Art	2	7,8 & 3 hrs.	MWF By Appt.	FA	308	Haines
51a,b	Painting (non-art majors)	2 ea.	7,8,9 6 hrs.	TTh By Appt.	FA	202	E. Sternbergs
61a	Elem. Drawing	3	7,8,9 6 hrs.	MWF By Appt.	FA	206	J.Sternbergs
62	Basic Design	3	7,8,9 6 hrs.	MWF By Appt.	FA	106	Barnhart
64a,b	Intermed. Design	3 ea.	7,8,9 9 hrs.	TTh By Appt.	FA	106	Barnhart
65a,b	Painting	3 ea.	7,8,9 6 hrs.	MWF By Appt.	FA	302	E. Sternbergs

Courses open only to Upper Division and Graduate Students:

147	Art in Am.	2	2	MTThF	FA	208	Rannells
155	Art in Elem. Sch.	2	7,8 & 6 hrs.	MF By Appt.	FA	202	Fitz
157	Art in Sec. Sch.	3	4	M-F	FA	309	Amyx
116a,b	Printmaking	2 ea.	7,8,9 & 3 hrs.	TTh By Appt.	FA	305	J. Sternbergs
165a,b	Intermed. Painting	3 ea.	7,8,9 & 9 hrs.	TTh By Appt.	FA	302	Amyx
160a,b	Seminar in Art	1 ea.	8,9	W	FA	309	Staff
175a,b	Indp. Wk: Hist., Criticism	3 ea.	15 hrs.	By Appt.	FA	205	Rannells
177a,b	Indp. Wk: Painting, Printmaking	3 ea.	15 hrs.	By Appt.	FA	203	Barnhart
179a,b	Indp. Wk: Design, Construc.	3 ea.	15 hrs.	By Appt.	FA	303	Amyx

BACTERIOLOGY

M. Scherago, Head of Department, Funkhouser Biological Sciences, 104

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: Chemistry 1a,b; Bacteriology 2b or 52 and 104. Required: Two credits in Seminar and a minimum of 14 additional credits of advanced work in Bacteriology, including Bacteriology 125.

LOWER DIVISION REQUIREMENTS - See Page 20

52-1	Prin. of Bact., Lec.	)	1	MWThF	FB	124	Edwards
52-2	Prin. of Bact., Lab.	)	4	MWThF	FB	208	Balows
52-3	Prin. of Bact., Lab.	)	7,8	MWThF	FB	208	Balows
Prereq. or concurrent: Chem. 1b							

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No	Subject	Credits	Hour	Days	Building	Room No.	Instructor
BACTERIOLOGY - Cont.							
56-1	Bact. of Foods, Lec.)	4	1	MTThF	FB	125	Weaver
56-2	Bact. of Foods, Lab.)		1,2	WS	FB	207	Hardin
	)		2,3	TTh	FB	207	Hardin
	Prereq: Bact. 102 or 52; or 2b and Chem. 1b						
57-1	Bact. of Water & Sewage, Lec.)	4	3	MTWF	FB	124	Weaver
57-2	Bact. of Water & Sewage, Lab.)		4,5	MTThS	FB	207	Hardin
	Prereq: Bact. 102 or 52, or 2b & Chem. 1b						
Courses open only to Upper Division and Graduate Students:							
103-1	Pathogenic Bact., Lec.)	4	5	MTWF	FB	124	Humphries
103-2	Pathogenic Bact., Lab.)		7,8	MTWF	FB	206	Humphries
	Prereq: Bact. 102 or 52; or 2b & Chem. 1b						
104	Appl. Bact., Lab.	2	By Appt.			119	Balows
	Prereq: Bact. 102 or 52; or 2b & Chem. 1b						
110a	Lab. Diagnosis, Lab.	3	1,2	M-S	FB	110	Hotchkiss
	Prereq: Must be preceded or accompanied by Bact. 103						
110b	Lab. Diagnosis, Lab.	3	3,4	M-S	FB	110	Hotchkiss
	Prereq: Bact. 103						
111-1	Gen. Path., Lec.)	4	3	FS	FB	124	Scherago
	)		5	TTh	FB	124	Scherago
111-2	Gen. Path., Lab.)		4,5	MWFS	FB	210	Scherago
	Prereq: A & P 1a-b; Zool. 7b, 101b & 106; Bact. 103, & consent of Head of Department						
115a-f	Indp. Wk.	3 ea.	By Appt.			FB 104	Staff
	Prereq: Any course in Bact. above 2b						
120a	Hospital Lab. Pract.	4	By Appt.			Good Sam. Hosp. Lab.	
120b	Hospital Lab. Pract.	6	By Appt.			Good Sam. Hosp. Lab.	
	Prereq: Bact. 110a & b; consent of Head of Department						
Courses open only to Graduate Students:							
201a-g	Res. in Bact., Lab.	5 ea.	By Appt.			FB 104	Sr. Staff
206-1	Bact. of Foods, Lec.)	4	1	MTThF	FB	125	Weaver
206-2	Bact. of Foods, Lab.)		1,2	WS	FB	207	Hardin
	)		2,3	TTh	FB	207	Hardin
	Prereq: Bact. 102 or 52, or 2b & Chem. 1b						
207-1	Bact. of Water & Sewage, Lec.)	4	3	MTWF	FB	124	Weaver
207-2	Bact. of Water & Sewage, Lab.)		4,5	MTThS	FB	207	Hardin
	Prereq: Bact. 102 or 52; or 2b & Chem. 1b						
210	Clinical Mycology, Lab.	2	By Appt.			FB 110	Hotchkiss
	Prereq: Chem. 130b; reading knowledge of one foreign language; preceded or accompanied by Bact. 125						
220	Hist. of Bact., Lec.	2	By Appt.			FB 104a	Weaver
	Prereq: Bact. 125						
222	Adv. Gen. Bact.	4	By Appt.			FB 104a	Weaver & Hardin
	Prereq: Bact. 125, Chem. 130b						

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
BACTERIOLOGY - Cont.							
224	Disinfectants & Antibiotics Prereq: Bact. 2b or 52 & 104; Chem. 130b	3	By Appt.		FB	110	Hotchkiss
270	Electron Microscopy Prereq: Physics 3a, 3b; & consent of Instructor	3	By Appt.		FB	5	Edwards
272	Viruses & Rickettsiae Prereq: Bact. 125	4	By Appt.		FB	5	Edwards

BOTANY

Herbert P. Riley, Head of Department, Funkhouser Biological Sciences, 220

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

*1	Gen. Bot., Lec.) Gen. Bot., Lab.) No prereq. to Bot. 1. All students enrolled must take one lecture and one laboratory section.	4	1 2,3	M-Th M-Th	FB FB	214 214	McInteer McInteer
*2	Plant Kingdom, Lec.) Plant Kingdom, Lab.) Prereq: Bot. 1 or 25. All students enrolled must attend the lecture section and one laboratory section	3	3 7,8	M-Th TTh	FB FB	211 217	Riley Riley
19	Dendrology Prereq: 2 or 25	2	5	M-Th	FB	315	McInteer
30	Intro. to Heredity Prereq: 6 credits in the biological sciences	3	4	M-S	FB	211	Riley

Courses open only to Upper Division and Graduate Students:

130	Intro. to Heredity Prereq: 6 credits in the biological sciences	3	4	M-S	FB	211	Riley
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CHEMISTRY

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Registration of juniors or seniors as majors in the Department of Chemistry is restricted to students having a grade-point average of 1.5 or more in all subjects exclusive of military training, except that this regulation may be set aside by action of the faculty of the Department.

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

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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CHEMISTRY - Cont.

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

LOWER DIVISION REQUIREMENTS - See Page 20

*1a	Gen. Chem., Lec.)		2	MTThF	KH	201	Staff
*1a	Gen. Chem., Rec.)	5	2	WS	KH	201	Staff
*1a	Gen. Chem., Lab.)		3,4	MWFS	KH	101	Staff
	Prereq: Proficiency in Arith. & Algebra						
*1b	Gen. Chem., Lec.)		5	MTThF	KH	201	Staff
*1b	Gen. Chem., Rec.)	5	5	WS	KH	201	Staff
*1b	Gen. Chem., Lab.)		2,3,4	MW	CA	100	Staff
*1b	Gen. Chem., Lab.)		3,4	F	CA	100	Staff
	Prereq: 1a						
*4a	Gen. Chem. for Stud. in Agr. & Home Econ., Lec.)		4	MTThF	KH	201	Staff
*4a	Gen. Chem. for Stud. in Agr. & Home Econ., Rec.)	4	4	WS	KH	201	Staff
*4a	Gen. Chem. for Stud. in Agr. & Home Econ., Lab.)		2,3	TTh	KH	101	Staff
	Prereq: Proficiency in Arith. & Algebra						
*4b	Gen. Chem. for Stud. in Agr. & Home Econ., Lec.)		3	MTThF	KH	201	Staff
*4b	Gen. Chem. for Stud. in Agr. & Home Econ., Rec.)	4	3	WS	KH	201	Staff
*4b	Gen. Chem. for Stud. in Agr. & Home Econ., Lab.)		7,8	TTh	KH	101	Staff
	Prereq: 4a						
21a	Quant. Anal., Lec.)	5	1	MTThF	KH	111	Stewart
21a	Quant. Anal., Lab.)		2,3,4	MTThF	KH	113	Stewart
	Prereq: 1b or 2b						
21b	Quant. Anal., Lec.)	4	6	MTThF	KH	111	Wagner
21b	Quant. Anal., Lab.)		7,8	MTThF	KH	113	Wagner
	Prereq: 21a						
30a	Organic Chem., Lec.)	5	2	M-S	KH	214	Barkenbus
30a	Organic Chem., Lab.)		3,4	MTThF	KH	215	Barkenbus
	Prereq: 1b or 2b						
30b	Organic Chem., Lec.)		6	MTThF			
	)	5	5,6	W	KH	209	Estes
30b	Organic Chem., Lab.)		7,8	MTThF	KH	215	Estes
	Prereq: 30a						
37	Organic Chem. (non-majors), Lec.)	4	4	M-S	KH	209	Cavagnol
37	Org. Chem., Lab.)		5,6	TTh	KH	215	Cavagnol
	Prereq: 1b, 2b, or 4b						

Courses open only to Upper Division and Graduate Students:

110a	Adv. Inorganic Chem.)	2	2	MTThF	KH	B14	Long
	Prereq: Quant. Anal. & Org. Chem.						
115b	Nuclear Chem.)	2	3	MTThF	KH	B14	Leader
	Prereq: 115a						
125	Adv. Quant. Anal., Lec.)	3	1 hr.	By Appt.	KH	111	Wagner
125	Adv. Quant. Anal., Lab.)		6 hr.	By Appt.	KH	115	Wagner
	Prereq: 21b						
130a	Org Chem., Lec.)	5	2	M-S	KH	214	Barkenbus
130a	Org. Chem., Lab.)		3,4	MTThF	KH	215	Barkenbus
	Prereq: 1b or 2b						

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No	Subject	Credits	Hour	Days	Building	Room No.	Instructor
CHEMISTRY - Cont.							
130b	Org. Chem., Lec.)	5	6	MTThF			
130b	Org. Chem., Lab.)		5,6	W	KH	209	Estes
	Prereq: 130a; minimum 5 students		7,8	MTThF	KH	215	Estes
133	Qual. Org. Anal., Lec. & Lab.	3	18 hr.	By Appt.	KH	215	Barkenbus
	Prereq: 30b or 130b						
141	Chemical Thermo.	3	2	M-S	KH	205	English
	Prereq: 140b						
145	Colloid Chem.	2	4	MTThF	KH	B14	
	Prereq: 140b						
181	Chemical Lit.	1	2 hr.	By Appt.	KH	111	Stewart

Courses open only to Graduate Students:

221	Quant. Microanalysis	2	6 hrs.	By Appt.	KH	115	Cavagnol
	Prereq: 21b						
239a	Topics in Org. Chem.	2	3	MTThF	KH	205	Estes
	Prereq: 130b						
290a-L	Res. in Chem.	5 ea.	15 hrs.	By Appt.	KH	Arr.	Staff

ECONOMICS

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies during the Junior and Senior years, including the Major work.

Requirements for a Major. Prerequisites: Two courses in Economics, including Economics 1. Required: A minimum of 18 credits of advanced work in Economics, including Economics 102, 104 and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics courses numbered above 100. In addition tutorial course 16 must be taken in the senior year to prepare for the required comprehensive examination.

LOWER DIVISION REQUIREMENTS - See Page 20

1-1	Prin. of Econ.	3	1	M-S	WH	102	Pearce
1-2	Prin. of Econ.	3	2	M-S	SS	128	Christian
*2	Econ. Hist. of Eur.	3	3	M-S	WH	102	Pearce
*3	Econ. Hist. of the U.S.	3	2	M-S	WH	102	Jennings
*4	Resources & Ind.	3	5	M-S	WH	102	Jennings
*7a	Prin. of Acctg., Rec.	4	1	MTThF	WH	306	Tolman
	Prin. of Acctg., Lab.		2,3	MTWTh	WH	306	Tolman
*7b	Prin. of Acctg., Rec.	4	4	MTThF	WH	306	Christian
	Prin. of Acctg., Lab.		5,6	MTWTh	WH	306	Christian

Courses open only to Upper Division and Graduate Students:

16	Tutorial Wk. in Econ.	1	By Appt.				Carter
102	Labor Prob.	3	4	M-S	WH	103	Carter
	Prereq: Econ. 1						
103	Transportation	3	4	M-S	WH	301	Tolman
	Prereq: Econ. 1						
104	Pub. Fin.	3	1	M-S	WH	101	Sullivan
	Prereq: Econ. 1						
105	Money & Bank.	3	2	M-S	SS	203	Masten
	Prereq: Econ. 1						
107-1	Statistical Method, Rec. & Lab.	3	1,2	MTThF	WH	401	Connor
	Prereq: Econ. 1						
107-2	Statistical Meth., Rec. & Lab.	3	4,5	MTWTh	WH	401	Connor
110	Bus. Cycles	3	2	M-S	SS	202	Haynes

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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ECONOMICS- Cont.

Prereq: Econ. 1 & an elem. course in Statistics.

112a-f	Indiv. Wk. in Econ.	1 ea.		By Appt.			Staff
127	International Econ.	3	3	M-S	WH	103	Sullivan
	Prereq: Econ. 1						

Courses open only to Graduate Students:

202a-f	Seminar	1 ea.		By Appt.			Carpenter
203	Hist. of Econ. Thought	3	4	M-S	SS	128	Hargreaves
211	Adv. Money & Banking	3	4	M-S	SS	202	Masten
212a-b	Res. Prob. in Econ.	1 ea.		By Appt.			Staff
218a	Econ. Theory	3	4	M-S	SS	203	Haynes

EDUCATION

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

ENGINEERING

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

ENGLISH

Herman E. Spivey, Head of Department, Fine Arts, 109

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: English 1a, 1b; 3a, 3b. Required: A minimum of eighteen credits of advanced work in English.

LOWER DIVISION REQUIREMENTS - See Page 20

*1a-1	Eng. Comp.	3	2	M-S	McVH	200	
*1a-2	Eng. Comp.	3	4	M-S	FA	224	
*1a-3	Eng. Comp.	3	5	M-S	McVH	209	
*1b-1	Eng. Comp.	3	1	M-S	McVH	203	
*1b-2	Eng. Comp.	3	3	M-S	McVH	230	
*1b-3	Eng. Comp.	3	4	M-S	McVH	209	
3a-1	Surv. of Eng. Lit.	3	3	M-S	McVH	203	Cooke
3a-2	Surv. of Eng. Lit.	3	5	M-S	McVH	231	Bigelow
3	Surv. of Eng. Lit.	3	4	M-S	McVH	206	Rainwater
*6-1	The Essen. of Speech	3	2	M-S	FA	226	Blyton
*6-2	The Essen. of Speech	3	3	M-S	FA	226	Sterrett
*6-3	The Essen. of Speech	3	4	M-S	FA	226	Robinson
30-1	Bus. Eng.	2	2	MTThF	McVH	206	Rainwater
30-2	Bus. Eng.	2	3	MTThF	McVH	231	Bigelow
30-3	Bus. Eng.	2	4	MTThF	McVH	231	Bigelow
*35	Stagecraft	2	8	MTThF	FA	Lab.	
						Th.	Brockett
3P	Oral Interpretation	3	5	M-S	FA	226	Sterrett

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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ENGLISH - Cont.

Courses open only to Upper Division and Graduate Students:

101	Cur. Eng. Usage & Grammar	3	5	M-S	McVH	230	Faust
102	Intro. to the Study of the Eng. Lang.	3	5	M-S	McVH	200	Cutler
105	Chaucer	3	2	M-S	McVH	209	Moore
106a	Eng. Romantic Poetry	3	3	M-S	McVH	200	Ward
110b	Shakespeare: The Tragedies	3	2	M-S	McVH	203	Hatch
111a	The Eighteenth Cent. Novel	3	5	M-S	McVH	203	Cooke
116	The Contemp. Drama	3	4	M-S	FA	218	Farquhar
123b	Am. Lit. after 1830	3	2	M-S	McVH	230	Budd
137	Stage Prod. in Sch. & Community	3	4	M-S	FA	Lab. Th.	Briggs
149	Am. Folklore	3	3	M-S	McVH	209	Jansen
157	Tchg. of Speech & Oral Eng.	3	4	M-S	FA	222	Blyton
172	Writing the One-Act Play	3	8	M-F	FA	218	Robinson

Courses open only to Graduate Students:

210	Seminar: Bibliographical Studies	3	5	M-S	McVH	204	Brady
217b	Seminar: Studies in Contemp. Am. Lit. (Frost & Robinson)	3	8	M-F	FA	222	Spivey

GEOGRAPHY

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

UPPER DIVISION REQUIREMENTS: Junior and Senior Years

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

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

Note--Six credits from the following courses will satisfy the lower division requirements in the social studies: History 4a, b, 5a, b, Political Science 51a, b, Sociology, Geography or Anthropology 3a and Sociology or Geography 3b.

LOWER DIVISION REQUIREMENTS - See Page 20

*3a-1	Societies Around the World	3	1	M-S	SS	231	Field
*3a-2	Societies Around the World	3	2	M-S	SS	231	Field
*C2	Regional Geog. of the World (This course will terminate Saturday, July 15, so that students may enroll for either the workshop in Kentucky Geography or for the Field Tour of Mexico.)	3	2-3	M-S	SS	229	Swendeman
*10	Econ. Geog. Surv.	3	3	M-S	SS	228	

Courses open only to Upper Division and Graduate Students:

C101	Geog. of Kentucky (Workshop) (C101 will be conducted as a workshop in the teaching of Kentucky Geography under the direction of Dr. R. L. Tuthill. A schedule of lectures, discussions and demonstrations will be arranged for the second four weeks of summer school, July 17 through August 11. Upon the successful completion of this four week workshop the student will be given credit for three semester hours. The Geography Department will be glad to furnish more information upon request of those interested.)	3	Arr.	M-Th	SS	229	Tuthill
102	Regional Geog. of Latin Am. (This course will terminate Saturday, July 15, so that students may enroll for either the workshop in Kentucky Geography or for the Field Tour of Mexico.)	2	4	M-S	SS	229	Swendeman
133b	Spec. Prob. (Additional credit in Geog. 102)	1	By Appt.		SS	229	Swendeman

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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GEOGRAPHY - Cont.

132a,b,c,d	Indp. Wk. in Geog.	3 ea.	By Appt.		SS	226	Staff
130	Regional Field Observation	3	Tour of Mexico		SS		Schwendeman

(This regional field study group will leave for Mexico, Monday morning, July 17, and will return Friday, August 11. Credit will be based upon preliminary reading, field-work, and written report. All expense cost of the tour will be about \$275.00. This does not include the Registration fee for credit. A special folder will be sent upon request by writing to the Geography Department. Credit registrants will profit by taking Geog. 2 and 102 offered the first four weeks of summer term.)

GEOLOGY

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major: Geology 10a,b; 30a,b; 101a,b; 112; 107a,b; 123a,b; 118a and 124a,b. Field Work: A summer field course, Geology 118a is required of major students for graduation. Local field work is offered throughout the year.

LOWER DIVISION REQUIREMENTS - See Page 20

*3	Elemen. Geol.	)	1	M-Th	MH	203	Stokely
*3-11,12,	)	3					
13	Two Lab. Conferences per week	)	To be arr.		MH	101A	
12a	Elemen. Geol. for Engrs.	3	1	M-Th	MH	203	Stokely
12a-11,12,	Two Lab. Conferences per week						
13	Meet with 3-11,12,13						
*50a	Outlines of Geol.	3	2	M-S	MH	203	
*50b	Outlines of Geol.	3	3	M-S	MH	203	

Courses open only to Upper Division and Graduate Students:

Field Camp in Colorado

118a,b,c,d	Field Wk. in Regional Geol.	8 ea.	June 15th to August 9th				McFarlan Nelson Brown
C118a,b,c,d	Field Wk. in Regional Geol.	6 ea.	June 15th to August 9th				McFarlan Nelson Brown

**GERMAN LANGUAGE
AND LITERATURE**

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: Junior standing, 1a, 1b, 2a, 2b. Required: A minimum of 18 credits of work independent of Junior and Senior Tutorial Courses. Majors must also pass a final comprehensive examination.

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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GERMAN LANGUAGE AND LITERATURE - Cont.

Note--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 who presents 1 unit of high school foreign language will receive credit for the first year of college work if repeated.
A student who presents 2 units of high school foreign language will receive credit provided he makes at least a B standing in these two courses.

All appointment students will meet in Room 303-A, Miller Hall at 3:00 on Wednesday, June 21.

LOWER DIVISION REQUIREMENTS - See Page 20

1a-1	Elem. Ger.	3	2	M-S	MH	310	Ubben
1a-2	Elem. Ger.	3	4	M-S	MH	302	Whitaker
1b	Simple Reading & Pronunciation	3	3	M-S	MH	310	Binger
	Prereq: 1a						
2a	Translation & Rapid Reading	3	3	M-S	MH	302	Bigge
	Prereq: 1b						
2b	Translation & Rapid Reading	3	3	M-S	MH	303-A	
	Prereq: 2a						
8	Elem. Aural-Oral Pract.	1	4	TWThF	MH	310	Staff
	Prereq: 1a & Instructor's permission						
10a,b	Elem. Conversation & Composition	3 ea.	4	M-S	MH	306-B	Ubben
	Prereq: 1b, 10a						
20b	Readings in Medical Ger.	3	1	M-S	MH	302	Ubben
	Prereq: 20a						
21b	Readings in Chem. Ger.	3	3	M-S	MH	309	Binger
	Prereq: 21a						
52	Intro. to Classical & Nineteenth Century Ger. Lit.	3	4	M-S	MH	303-A	Bigge
	Prereq: 2b						
75	Surv. of Ger. Lit. in Eng. Translation	2	2	MTThF	MH	302	Hegeman

Courses open only to Upper Division and Graduate Students:

105a-f	Indp. Wk. in Ger.	3 ea.	By Appt.		MH		Staff
106a,b	Adv. Scientific Ger.	3 ea.	By Appt.		MH		Whitaker
	Prereq: 20b or 21b, 106a						
117	Proseminar in Lessing	3	By Appt.		MH		Hegeman

HISTORY

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
HISTORY - Cont.							
*4a	Mod. Eur. to the Fr. Rev.	3	3	M-S	FH	201	Kraehe
*4b-1	Mod. Eur. Since the Fr. Rev.	3	2	M-S	FH	201	Lunde
*4b-2	Mod. Eur. Since the Fr. Rev.	3	5	M-S	FH	201	McCloy
*5a-1	Hist. of the U. S. Thru 1865	3	1	M-S	FH	201	Taylor
*5a-2	Hist. of the U. S. Thru 1865	3	3	M-S	FH	202	Gilliam
*5a-3	Hist. of the U. S. Thru 1865	3	4	M-S	FH	201	Hopkins
*5a-4	Hist. of the U. S. Thru 1865	3	5	M-S	FH	202	Maxwell
*5a-5	Hist. of the U. S. Thru 1865	3	7	M-F	FH	201	Wall
*5a-6	Hist. of the U. S. Thru 1865	3	8	M-F	FH	201	England
*5b-1	Hist. of the U. S. Since 1865	3	2	M-S	FH	202	Maxwell
*5b-2	Hist. of the U. S. Since 1865	3	4	M-S	FH	202	Taylor

Courses open only to Upper Division and Graduate Students:

40	Hist. of Ky.	3	1	M-S	FH	204	Clark
100a	Diplomacy & Foreign Policy of the U. S. to 1898	3	2	M-S	FH	204	Hopkins
105a	Colonial Am.	3	1	M-S	FH	202	Gilliam
119b	Eur. in the 19th Cent.	3	5	M-S	FH	204	Lunde
124b	Social & Cultural Hist. of the U. S. Since 1865	3	4	M-S	FH	204	Eaton
139	Brit. Hist. Since 1815	3	9	M-F	FH	202	Cone
146	Recent Hist. of the U. S., 1877-1901	3	5	M-S	FH	301	Wall
180b	The South in the Civil War & Reconstruct.	3	3	M-S	FH	204	Kirwan
185b	Cultural Hist. of 18th Cent. Eur.	3	4	M-S	FH	301	McCloy

Courses open to Graduate Students Only:

320c	Seminar in Mod. Eur. Hist.	3	8,9	MW	FH	204	Kraehe
331	Seminar in Mod. Brit. Hist.	3	10-11	ThF	FH	301	Cone
342	Seminar in Ky. Hist.	3	8,9	TTh	FH	204	Clark
366	Reconstruct.	3	5,6	MW	FH	302	Eaton

HOME ECONOMICS

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

HUMANITIES

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

A-1	Classicism: Graeco-Roman; Mod. Eur.	2	2	MTThF	FH	205	DeBoer
A-2	Classicism: Graeco-Roman; Mod. Eur.	2	3	MTThF	McVH	204	Brady
B-1	The Renaiss: Romanticism	2	3	MTThF	McVH	206	Hegeman
B-2	The Renaiss: Romanticism	2	4	MTThF	MH	307	Ryland
C-1	Realism & Naturalism: The Contemp.	2	4	MTThF	McVH	204	Ward
C-2	Realism & Naturalism: The Contemp.	2	5	MTThF	McVH	206	Rainwater
D	Art: The Renaiss. to the Present	2	3	MTThF	FA	208	Rannells
E	Music: The Renaiss. to the Present	2	4	MTThF	FA	6	Prindl

HYGIENE AND PUBLIC HEALTH

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Year

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

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

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

Requirements for a Major. Prerequisites: 12 credits in the Biological Sciences. Required: A minimum of 15 credits of advanced work in Hygiene and Public Health.

LOWER DIVISION REQUIREMENTS - See Page 20

*9	Fundamentals of Health	2	3	M-Th	FB	B-8	Hamilton
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Courses open only to Upper Division and Graduate Students:

100a	Pub. Hlth.	3	4	M-S	FB	B-3	Hamilton
100b	Pub. Hlth.	3	3	M-S	FB	B-3	Heinz
110	Hlth. Ed.	3	5	M-S	FB	B-3	Heinz
111a,b,c,d	Indp. Wk. in Hyg. & Pub. Hlth.	3 ea. By Appt.			HB	104	Heinz
120a	Mental Hyg. Same as Psy. 124	3	3	M-S	PA	105	Bills

JOURNALISM

Niel Plummer, Head of Department, Journalism 102; Departmental office, Journalism 108

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisite: Journalism 2, 21, and 22. Required: Journalism 100a, b, 101, 105, 106, 107, 108, 109, 114, 123, and 127.

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

10	Surv. of Jour.	3	4	M-S	J	112	McLaughlin
21	Etymology	3	4	M-S	J	114	Plummer
22	Prin. of News Writing	3	3	M-S	J	114	Moore

Courses open only to Upper Division and Graduate Students:

100b	News Reporting	3	3	M-S	J	113	McCauley
102	Community Jour.	3	4	M-S	J	113	Portmann
105	Law of the Press	2	3	MTWTh	J	112	Plummer
106	Influence of the Newspaper	3	5	M-S	J	114	Moore
111	Verbal Criticism	3	2	M-S	J	114	McCauley
112	Critical Writing for the Press	3	5	M-S	J	112	McLaughlin
114	Newspaper Advg. & Promotion	3	5	M-S	J	113	Portmann

LAW

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

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

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

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

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

LIBRARY SCIENCE

Leslie I. Poste, Head of Department, King Library, 313

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: Junior or Senior standing, with average scholastic record for the first two college years. Prospective majors should consult with the Head of the Department regarding courses to be taken during the first two years of college. A broad academic program is recommended. Required: A minimum of 21 semester hours.

LOWER DIVISION REQUIREMENTS - See Page 20

Courses open only to Upper Division and Graduate Students:

101a,b,c,d	Indp. Wk.	1 ea.	By Appt.		KL	313	Staff
110	The Library in the Sch.	3	4	M-S	KL	314	
127b	Bks. & Related Mat. for Children & Young People	3	2	M-S	KL	314	
129	Cataloging & Classification	3	3	M-S	KL	314	
133a	Reference & Bibliography	3	5	M-S	KL	314	Poste
139	Library Prac.	3	To be arr.				Roser
145	Organization of Library Mat.	3	7	M-F	KL	314	

Courses open only to Graduate Students:

227	Reading for Young People Prereq: 127a,b, or its equivalent	2	5	TWFS			Martin
252	Adv. Bk. Selection Prereq: 152 or equivalent	4	8	MWThF	KL	314	Martin
254	Seminar	2	7	MTThF	KL	314	Poste & Staff

MATHEMATICS AND ASTRONOMY

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Physical Science during the Junior and Senior years, including the Major work.

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No	Subject	Credits	Hour	Days	Building	Room No	Instructor
MATHEMATICS AND ASTRONOMY - Cont.							
*1-1	Basic Math.	3	3	M-S	McVH	100	Cooper
*1-2	Basic Math.	3	5	M-S	McVH	129	Church
*2	Prereq. for 2. 1 unit high school plane geometry Solid Geom.	3	2	M-S	McVH	109	Royster, Dyer
*5-1	Prereq. for 5: M & A 1 or score of F or G on Univ. Placement Test Coll. Alg.	5	1,2	M-F	McVH	103	Rose
*5-2	Coll. Alg.	5	4,5	M-F	McVH	104	Foster
*15-1	Prereq. for 15: M & A 5 or 17 Math. of Fin.	3	3	M-S	McVH	109	Moore
*15-2	Math. of Fin.	3	4	M-S	McVH	129	Moore
*17	Prereq. for 17: 1 unit high school algebra and score of E on Univ. Placement Test Coll. Alg.	3	3	M-S	McVH	104	Foster, Rose
*18-1	Prereq. for 18: 1 unit high school plane geometry, & M & A 5 or score E on University Placement Test Plane Trig.	3	2	M-S	McVH	107	Rohde
*18-2	Plane Trig.	3	3	M-S	McVH	129	Church
*19-1	Prereq. for 19: M & A 5 or 17 & 18 Plane Anal. Geom.	3	2	M-S	McVH	100	Cooper
*19-2	Plane Anal. Geom.	3	5	M-S	McVH	106	Rohde
20a-1	Prereq. for 20a: M & A 2 & 19 Diff. Calc.	) 4	1 4	M-S TF	McVH	104 109	Dyer
20a-2	Diff. Calc.	) 4	1 4	TF M-S	McVH	107	Brown
20b-1	Prereq. for 20b: M & A 20a Int. Calc.	) 4	1 4	M-S MTh	McVH	109	Atkins
20b-2	Int. Calc.	) 4	4 6	M-S TTh	McVH	100	Royster
Courses open only to Upper Division and Graduate Students:							
C105a-1	Prereq. for C105a. M & A 20b Diff. Equa.	2	5	T-F	McVH	107	Brown
C105a-2	Diff. Equa.	2	6	T-F	McVH	104	Atkins
Consult the instructor for prerequisites for the following courses:							
26	Adv. Coll. Alg.	3	4	M-S	McVH	103	Ward, Leser
27	Adv. Anal. Geom.	3	3	M-S	McVH	106	South, Pence
101a-f	Indp. Wk. in Math.	3 ea.	By Appt.				Staff
106a	Adv. Calc.	3	1	M-S	McVH	100	Downing
107	Projective Geom.	3	5	M-S	McVH	100	Pence
109b	Functions of a Complex Variable	3	4	M-S	McVH	106	Goodman
116	Anal. Mechanics	3	5	M-S	McVH	109	Leser
129	Probability	3	2	M-S	McVH	106	South
144a-f	Prob. Seminar	2 ea.	1:00- 1:50	T-F	McVH	101	Goodman Cowling

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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MATHEMATICS AND
ASTRONOMY - Cont.

Courses open only to Graduate Students:

201a-f	Indp. Wk. in Math.	3 ea.	By Appt.				Senior Staff
206	Theory of Groups	3	3	M-S	McVH	103	Ward
213	Fourier Series	3	6	M-S	McVH	107	Cowling

MILITARY SCIENCE

Colonel G. T. Mackenzie, Infantry, Professor Military Science and Tactics, Head of Department, Barker, 101

Lieutenant Colonel Edward G. Davis, USAF, Professor of Air Science and Tactics, Barker, 202

*1a31	MS I, ROTC	2	3	M-F	BH	203	Staff
*1a41	MS I, ROTC	2	4	M-F	BH	203	Staff
*1a51	MS I, ROTC	2	5	M-F	BH	203	Staff

MUSIC

Edwin E. Stein, Head of Department, Fine Arts, 16a

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: Junior standing: Humanities E, Music 11a,b;33a,b; 34a,b; Applied Music - 8 to 12 semester hours. Required: A minimum of 30 semester hours of advanced work in music as prescribed by the Department of Music. All Music Majors are required to take part in two performing organizations each semester. A comprehensive examination is required in the senior year.

Fees for Applied Music: All applied music (piano, voice, organ, instrumental) requires a fee of \$25 for two one-half lessons per week. Practice room fee is \$6 per summer term additionally. Rental of instruments for use in Music 46 is \$3.00 per summer term per course. Rental of orchestral or band instruments for other instruction is \$6.00 per term, payable personally by both veterans and non-veterans.

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

All applied music fees payable approximately three weeks after registration. After that time a delinquency fee will be charged.

LOWER DIVISION REQUIREMENTS - See Page 20

*4a	Pub. Sch. Music (for non-music majors)	2	4	M-Th	FA	4	Lewis
*11b	Theory I-The Elem. of Musical Theory	2	3	M-S	FA	6	Wright
	Prereq: 11a						
33b	Theory II - Elem. Harm. & Counterpoint	2	3	M-S	FA	2	Kinney
	Prereq: 33a						
34b	Theory III - Adv. Harm. & Counterpoint	4	4,5	M-F	FA	2	Kinney
	Prereq: 34a						
*39a-h	Glee Club (for Men and Women)	1 ea.	8	M-Th	FA	17	
*46a	Class Instruct. in Violin	1	4	M-Th	FA	22	Wright
*46c	Class Instruct. in Clarinet	1	8	M-Th	FA	22	Lutz

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
MUSIC - Cont.							
*46e	Class Instruct. in Trumpet (Instrumental Lab. for all Class Instruments)	1	7	M-Th	FA	33a	Prindl
			2	F	FA	22	
<u>APPLIED MUSIC</u>							
*15a-q	Appl. Music - Piano	2 ea. By Appt.			FA	143 FA 147 FA 145 FA 149	Floyd Patch Montgomery Cullis
*C15a-q	Appl. Music - Piano	1 ea. By Appt.			FA	143 FA 145 FA 147 FA 149	Floyd Montgomery Patch Cullis
*16a-L	Appl. Music - Strings	2 ea. By Appt.			FA	29 FA 27	Wright Kinney
*C16a-L	Appl. Music - Strings	1 ea. By Appt.			FA	29 FA 27	Wright Kinney
*17a-L	Appl. Music - Voice	2 ea. By Appt.			FA	139 FA 141	Houden Kiviniemi
*C17a-L	Appl. Music - Voice	1 ea. By Appt.			FA	139 FA 141	Houden Kiviniemi
*18a-L	Appl. Music - Organ	2 ea. By Appt.			FA	128	Blackburn
*C18a-L	Appl. Music - Organ	1 ea. By Appt.			FA	128	Blackburn
*31a-L	Appl. Music - Woodwind Instruments	2 ea. By Appt.			FA	20a	Lutz
*C31a-L	Appl. Music - Woodwind Instruments	1 ea. By Appt.			FA	20a	Lutz
*32a-L	Appl. Music - Brass & Percussion Instr.	2 ea. By Appt.			FA	33a	Prindl
*C32a-L	Appl. Music - Brass & Percussion Instr.	1 ea. By Appt.			FA	33a	Prindl
<u>Courses open only to Upper Division and Graduate Students:</u>							
19b	Hist. of Music Prereq. 19a	3	5	M-S	FA	6	Blackburn
102b	Vocal Pedagogy Prereq: 102a	2	By Appt.		FA	141	Kiviniemi
103a	Piano Pedagogy	1	2	MW	FA	4	Montgomery
106a	Piano Lit.	2	3	M-Th	FA	4	Patch
107a	Vocal Lit.	2	3	M-Th	FA	17	Houden
108a	Hist. & Lit. of the Organ	2	By Appt.		FA	128	Blackburn
115a	Choral Conducting	2	7	M-Th	FA	4	Lewis
116a	Instrumental Conducting	2	7	M-Th	FA	2	Hornowski
117a	Orchestration	2	2	M-Th	FA	2	Hornowski
<u>Courses open only to Graduate Students:</u>							
208a,b,c	Seminar in Music	1 ea. By Appt.			FA	16	Stein
211	The Classic & Romantic Periods	2	By Appt.		FA	16	Stein
215a,b	Appl. Music - Piano	2 ea. By Appt.			FA	143 FA 145 FA 147	Floyd Montgomery Patch
C215a,b	Appl. Music - Piano	1 ea. By Appt.			FA	143 FA 145 FA 147	Floyd Montgomery Patch
217a,b	Appl. Music - Voice	2 ea. By Appt.			FA	139 FA 141	Houden Kiviniemi

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
MUSIC - Cont.							
G217a,b	Appl. Music - Voice	1 ea.	By Appt.		FA	139	Houden
					FA	141	Kiviniemi
232a,b	Appl. Music - Brass & Percussion Instr.	2 ea.	By Appt.		FA	33a	Prindl
G232a,b	Appl. Music - Brass & Percussion Instr.	1 ea.	By Appt.		FA	33a	Prindl

PHILOSOPHY

John Kuiper, Head of Department, Frazee, 103

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

21	Intro. to Phil.	3	1	M-S	FH	205	Kuiper
31	Elem. Logic	3	5	M-S	FH	205	Melzer
35a,b,c,d	Tutorial Wk. in Phil.	1 ea.	By Appt.		FH	103	De Boer

Courses open only to Upper Division and Graduate Students:

102	Contemp. Phil.	3	3	M-S	FH	205	Melzer
109a,b,c,d	Indp. Wk.	3 ea.	By Appt.		FH	103	Kuiper
120	Great Religions of the World	3	4	M-S	FH	205	DeBoer

Courses open only to Graduate Students:

201a	Seminar in Phil.	2	By Appt.		FH	205	Kuiper
220a,b,c,d	Res. in Phil.	3 ea.	By Appt.		FH	103	Staff

PHYSICAL EDUCATION

Don Cash Seaton, Head of Department, Alumni Gym

SERVICE (Required) COURSES:

Undergraduate students who have not completed the physical education requirements must enroll in one of the following courses:

- A. Orientation in Physical Education (P.E. 1)-for new students. (not offered in summer)
- B. Adapted Physical Education (P.E. 2)-for students assigned to corrective work by the Health Department and for women students who failed the posture test. (not offered in summer)
- C. Weightlifting and Conditioning (P.E. 29)-for men students who failed the physical fitness test in P. E. 1. (not offered in summer)
- D. Sports classes (P. E. 3-28)-for students who have satisfied the requirements in A, B, or C. (Men students are expected to learn one indoor individual sport, one outdoor individual sport, and one team sport. Women students are expected to learn one individual sport, one team sport, and some form of the dance.)

LOWER DIVISION REQUIREMENTS - See Page 20

*4	Archery (men & women)	0	7,8	MWF	MG		Karsner
*5	Badminton (men & women)	0	7,8,9	TTh	MG		Karsner

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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PHYSICAL EDUCATION - Cont.

*11	Golf (men & women)	0	7,8,9	TTh	WG		Johnson
*10	Folk Dancing (men & women)	0	3:00- 5:30	MW	WG		Lewis
*21-1	Swim. for Beginners (men only)	0	3	M-S	MC		Brook
*21-2	Swim. for Beginners (men only)	0	4	M-S	MC		Brook
*21-3	Swim. for Beginners (women only)	0	5	M-S	MC		Poe
*24	Tennis (men & women)	0	3,4	MWF	MG		Lewis

The following activities are open to all students and faculty for recreation:

	Ballroom Dancing (men & women)	0	4:30- 6:00	TTh	WG		Shaw
	Swimming (men & women students)	0	8,9	MWF	MC		Brook & Poe
	Swimming (Faculty, staff & families)	0	8,9	TTh	MC		Brook & Poe
*28	Volleyball (men only)	0	6,7	MWF	MG		McCubbin

PROFESSIONAL COURSES:

LOWER DIVISION REQUIREMENTS - See Page 20

UPPER DIVISION REQUIREMENTS-- Junior and Senior Years

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

Requirements for a Major. Prerequisites: For Men and Women—Anatomy and Physiology 4 and 5; Zoology 1; Sociology 3a or b; English 32, 6; Hygiene 9; Physical Education 40, 51. For Men—Physical Education 41, 42, 43, 45, 56. For Women—Hygiene 7; Physical Education 46, 47, 49, 57, 90.

Required: For Men and Women—Home Economics 101; Hygiene 110; Physical Education 61, 62a, b, 56, 70, 80, 140, 143, 165, 172, 180. For Women—Physical Education 190. (For teaching certificate: Education 16, 60 for women. P. E. 144 for men; Education 105, C147, 169a, b. Only 6 hours of Education count in Field of Concentration in A & S.)

*44	Baseball & Softball Coach.Fund.	3	5,6	M-S	MG		Johnson
49	Ind. Sports for Women (Tennis, Golf)	2	4,5	M-Th	WG		Carr & Lewis
51	Co-recreational Activities (Bowling, Archery, Badminton)	3	1,2	MS	MG		Karsner
52	Adv. Swim. & Diving for Men	2	1,2	MTh	MC		Brook
53	Adv. Swim. & Diving for Women	2	6,7	MTh	MC		Poe
54	Life Saving for Men	1	By Appt.		MC		Brook
55	Life Saving for Women	1	By Appt.		MC		Poe
81**	Camp Leadership	2	10	MTh	MG		Kauffman

Courses open only to Upper Division and Graduate Students:

60	Phy. Ed. in the Elem. School	3	4	MS	WG		Shaw
141	Coaching Adv. Basketball	2	1 wk. only		MG		Clay & Rupp
142	Coaching Adv. Football	2	7	MTh	MG		Bryant & McCubbin
143	Hist. & Prin. of Phy. Ed.	3	3	MS	SS	131	Carr, Hackensmith
144	Phy. Ed. in the Sec. Sch.	3	2	MS	WG		Carr, Clay
158b	Sports Officiating for Men	1	By Appt.		J	112	Johnson
165	Safety in Phy. Ed.	2	5	M-Th	SS	131	Seaton
180**	Adm. & Org. of Recreation	3	8	MS	MG		Kauffman
181**	Camping in Ed.	2	9	MTh	MG		Kauffman
182	Intramural Sports	2	8	MTh	MG		McCubbin

* Open to Freshmen.
** Field work at camp.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
PHYSICAL EDUCATION - Cont.							
<u>Courses open only to Graduate Students:</u>							
240	Grad. Seminar in Phy. Ed.	2	1	MTh	J	113	Hackensmith
241	Current Studies & Trends in Hlth. & P. E.	3	4	MS	MG		Seaton
243	Prob. in the Adm. of Athletics	2	3	MTh	SS	115	Clay
244	Tests & Measurements in Hlth. & P.E.	3	2	MS	J	113	Hackensmith

PHYSICS

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

1a	Gen. Elem. Physics, Lec., Rec., Lab. Prereq: High School Alg. & Geom.	5	1,2	M-S	Pence	309
1b	Gen. Elem. Physics, Lec., Rec., Lab. Prereq: Physics 1a	5	3,4	M-S	Pence	309
3a-1	Gen. Coll. Physics, Lec. & Rec.	6)	3	T-F	Pence	208
		)	2	M-S		
3a-11	Gen. Coll. Physics, Lab.		3,4	MWThS	Pence	105
3a-2	Gen. Coll. Physics, Lec. & Rec.	6)	2	TF	Pence	206
		)	3	M-S		
3a-22	Gen. Coll. Physics, Lab. Prereq: Math. 19, Chem. 1b		1,2	MWThS	Pence	105
3b-1	Gen. Coll. Physics, Lect. & Rec.	6)	2	MTh	Pence	208
		)	3	M-S		
3b-11	Gen. Coll. Physics, Lab.		1,2	TWFS	Pence	107
3b-2	Gen. Coll. Physics, Lec. & Rec.	6)	3	MTh	Pence	103
		)	2	M-S		
3b-21	Gen. Coll. Physics, Lab. Prereq: Physics 3a		3,4	TWFS	Pence	107

Courses open only to Upper Division and Graduate Students:

125a,b,c,d	Indp. Wk. in Physics	3 ea.	By Appt.		Pence	
155-a	Fund. Atomic & Nuclear Physics	3	2	M-S	Pence	205

Other Advanced and Graduate Courses will be offered if demand for them arises

POLITICAL SCIENCE

Amry Vandenbosch, Head of Department, Social Sciences, 105

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies, during the Junior and Senior years, including the Major work.

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

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

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

senior year.

Note--Six credits from the following courses will satisfy the lower division requirements in the social studies: History 4a, b, 5a, b, Political Science 51a, b, Sociology, Geography or Anthropology 3a and Sociology or Geography 3b.

LOWER DIVISION REQUIREMENTS - See Page 20

*51a-1	Am. Govt.	3	1	M-S	SS	118	Bach
*51a-2	Am. Govt.	3	2	M-S	SS	118	Rusch
*51b-1	Am. Govt.	3	3	M-S	SS	118	Bach
*51b-2	Am. Govt.	3	4	M-S	SS	118	Rusch

Not open to Freshmen:

52	Municipal Govt.	3	2	M-S	SS	129	Reeves
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Courses open only to Upper Division and Graduate Students:

159a	Am. Constitutional Develop.	3	3	M-S	SS	132	Trimble
165	World Politics	3	3	M-S	SS	117	
166	The United Nations	3	5	M-S	SS	117	
172	Ky. Govt. & Constitution	3	4	M-S	SS	129	Reeves
175	Contemp. Am. Political Thought	3	2	M-S	SS	131	Shannon
177a	Intro. to Pub. Adm.	3	2	M-S	SS	117	Kammerer
190	Seminar in P.S.	3	4	M-S	SS	115	Shannon

Courses open only to Graduate Students:

206	Spec. Prob. in Pub. Adm.	3	By Appt.		SS	115	Kammerer
213	Federal Centralization	3	By Appt.		SS	115	Trimble

PSYCHOLOGY

James S. Calvin, Acting Head of Department, Neville, 106

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: The student may choose as his field of concentration either the Biological Sciences or the Social Studies. In either case, forty credits of advanced work, including the Major work, must be completed during the Junior and Senior years.

Requirements for a Major. Prerequisites: Psychology 1a and 1b and Psychology 8. Required: A minimum of 15 credits of advanced work in psychology, and a comprehensive examination in the senior year.

LOWER DIVISION REQUIREMENTS - See Page 20

Note--The student should enroll in one lecture-recitation section and one laboratory section for Psychology 1a.

*1a-1	Intro. to Psy., Lec-Rec.	3	6	M-S	PA	105	Meyers
*1a-2	Intro. to Psy., Lec-Rec.	3	3	M-S	MH	108	North
*1a-3	Intro. to Psy., Lab.		1:00- 2:50	MW	NH	206	
*1a-4	Intro. to Psy., Lab.		1,2	TTh	NH	206	
*1a-5	Intro. to Psy., Lab.		3,4	TTh	NH	206	
*1a-6	Intro. to Psy., Lab.		1:00- 2:50	MW	NH	206	
*1b-1	Intro. to Psy., Lec-Rec.	3	2	M-S	NH	112	Meyers

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Honors	Days	Building	Room No.	Instructor
PSYCHOLOGY - Cont.							
*1b-2	Intro. to Psy., Lab.		3,4	MW	NH	205	
7	Psy. of the Child	3	2	M-S	PA	105	Bills
	Prereq: Psy. 1a						
8	Indiv. Differences	3	3	M-S	NH	112	Newbury
	Prereq: Psy. 1a, 1b, or equiv.						
<u>Courses open only to Upper Division and Graduate Students:</u>							
105	Employment Psy.	3	3	M-S	McVH	107	Mellenbruch
	Prereq: Psy. 8 or equiv.						
106	Ind. Psy.	3	4	M-S	NH	112	Mellenbruch
	Prereq: Psy. 1a, 1b						
114	Abnormal Psy.	3	1	M-S	NH	112	Pattie
	Prereq: Psy. 1a, 1b						
115	Genetic Psy.	3	5	M-S	NH	112	Newbury
	Prereq: Psy. 1a, 1b						
120a,b,c,d	Indp. Wk. in Psy.	2 ea.	By Appt.				Staff
124	Mental Hyg.	3	3	M-S	PA	105	Bills
	Prereq: Psy. 1a, 1b. Not open to students who have had Hyg. 120a						
130	Speech Correction: A Surv.	3	7	M-F	NH	112	Diehl
	Prereq: 9 semester credits in Psy. or Ed. Psy.						
131	Stuttering & Its Correction	3	8	M-F	NH	112	Diehl
	Prereq: 9 semester credits in Psy. or Educational Psychology						
<u>Courses open only to Graduate Students:</u>							
203a-h	Prob. in Psy.	2 ea.	By Appt.				Staff
210a-h	Res. in Psy.	3 ea.	By Appt.				Staff
212	The Emotions	3	9	M-F	NH	106	Calvin
217	Psy. of Lang.	2	3	M-Th	NH	117	Humphreys
219	Clinical Psy.	4	2	M-S	NH	117	Humphreys
			4 hrs.	By Appt.			
222	Systems of Psy. & Their Hist.	3	3	M-S	NH	201	Pattie
225	Pract. in Testing: Intelligence Tests	3	4,5	M-S	PA	203	Glaser
238	The Rorschach Test	4	1,2	M-Th	NH	202	Dimmick
431a-p	Spec. Field Practicum	3 ea.	By Appt.		NH		Staff
500-1	Thesis	0	By Appt.		NH		Staff
500-2	Thesis	0	By Appt.		NH		Staff
500-3	Thesis	0	By Appt.		NH		Staff
RADIO ARTS							
Elmer G. Sulzer, Head of Department, McVey, Radio Studios							
<u>UPPER DIVISION REQUIREMENTS - Junior and Senior Years</u>							
Requirements in the Field of Concentration: Forty credits in courses not open to freshmen, including the Major work in the field of Literature, Philosophy, and the Arts, during the Junior and Senior years.							
Requirements for the Major. Prerequisites: Radio Arts 1a,b. Required: Radio Arts 2a, 101, 102, 105a, 105b, 106a, 106b, and 110; comprehensive examination.							
<u>LOWER DIVISION REQUIREMENTS - See Page 20</u>							
*1a	Radio Today	3	4	M-S	McVH	Rad.	Sulzer
			7	MT			
2a	Radio Announcing	2	4 hrs. Lab.	By Appt.	McVH	Rad.	Sawin

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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RADIO ARTS - Cont.

Courses open only to Upper Division and Graduate Students:

105a	Radio Script Writing	2	8	MT	McVH Rad.	Sawin
						4 hrs. Lab. By Appt.
106a	Radio Prod.	2	8	WTh	McVH Rad.	Sulzer
						4 hrs. Lab. By Appt.

ROMANCE LANGUAGES

Hobart Ryland, Head of Department, Miller, 301

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

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

*1a	Elem. French	3	2	M-S	MH	307
*1b	Elem. French	3	3	M-S	MH	307
*5a	Elem. Span.	3	4	M-S	MH	309 Albro
*5b	Elem. Span.	3	5	M-S	MH	307 Albro
*2a	Intermed. French	3	2	M-S	MH	308 Schick
*2b	Intermed. French	3	3	M-S	MH	308 Schick
*7a	Intermed. Span.	3	2	M-S	MH	309 Hernandez
*7b	Intermed. Spanish	3	1	M-S	MH	309 Hernandez
3a,b	French Conversation & Comp.	2 ea.	1:00-2:50	TTh	MH	306b Ryland
6c	French Novel & Drama	3	4	M-S	MH	306b Walker
80a,b	Tutorial Seminar	1 ea.	By Appt.		MH	306b Ryland

Courses open only to Upper Division and Graduate Students:

115a	French Lit. of the 18th Cent.	3	5	M-S	MH	306b Walker
122a	Adv. Fr. Conversation	2	1:00-2:50	TTh	MH	306b Ryland
114a-h	Indp. Wk. in R.L.	3 ea.	By Appt.			Staff

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

7a,b	Intermed. Spanish	3 ea.	2	M-S	Puebla	Server
9a,b	Span. Novel & Drama	3 ea.	3	M-S	Puebla	Server
10a,b	Span. Conversation & Comp.	3 ea.	4	M-S	Puebla	Server
35	Mexican Civilization	3	5	M-S	Puebla	Server

Courses open only to Upper Division and Graduate Students:

102a	Adv. Spanish Grammar & Comp.	3	1	M-S	Puebla	Server
114a-h	Indp. Wk. in R.L.	3 ea.	By Appt.		Puebla	Server

* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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SOCIAL WORK

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

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

LOWER DIVISION REQUIREMENTS - See Page 20

Courses open only to Upper Division and Graduate Students:

105	Child Welfare Services	3	3	M-S	McVH 329	Wetzel
122	Field of Social Wk.	3	4	M-S	McVH 329	Rucker
140b	Adm. & Supervision of Group Wk. Agency Programs	3	5	M-S	McVH 329	Rucker
	Prereq: 140a or consent of the instructor					

Courses for Senior Majors Only:

C127a	Tutorial Wk. in Social Wk.	2	By Appt.		McVH 329	Wetzel
111a	Indp. Wk.	1	By Appt.		McVH 329	Staff

SOCIOLOGY

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

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

Requirements in the Field of Concentration: Forty credits of advanced work in the field of Social Studies during the Junior and Senior years, including the Major work.

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

LOWER DIVISION REQUIREMENTS - See Page 20

Note--Six credits from the following courses will satisfy the lower division requirements in the social studies: Sociology, Geography or Anthropology 3a; Sociology or Geography 3b; History 5a, b, 4a, b; Political Science 51a,b.

*3a§	Societies Around the World	3	3	M-S	SS 231	Kennedy
*3b†	Societies Around the World	3	3	M-S	SS 203	Sanders
6	American Immigrants & Races	3	4	M-S	SS 204	Best

Courses open only to Upper Division and Graduate Students:

19a,b	Junior Tutorial	1 ea.	By Appt.			Staff
20a,b	Senior Tutorial	1 ea.	By Appt.			Staff
102	Social Pathology	3	5	M-S	SS 212	Kennedy
103	Criminology	3	1	M-S	SS 204	Best
109	The Family	3	3	M-S	SS 202	Gladden
114a,b,c,d	Indp. Wk.	1 ea.	By Appt.			Staff

* Open to Freshmen.

§ Same as Anthropology 3a and Geography 3a.

† Same as Geography 3b.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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SOCIOLOGY - Cont.

164	The Balkans: The Study of a Peasant Society	3	2	M-S	SS	204	Sanders
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Courses open only to Graduate Students:

201a	Soc. Seminar	2	By Appt.				Gladden
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TOPICAL MAJORS

John Kuiper, Chairman of Committee on Topical Majors, Frazee, 103

The student may elect for his concentration field some topic and choose for the field courses which contribute to these central interests. To pursue a topical major the student must have earned a minimum academic standing of 1.5 during the freshman and sophomore years, and must have the approval of the Committee on Topical Majors which will require as a rule completion of the lower division requirements as prerequisites.

ZOOLOGY

W. R. Allen, Head of Department, Funkhouser Biological Sciences, 14

UPPER DIVISION REQUIREMENTS - Junior and Senior Years

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

Requirements for a Major. Prerequisites: Junior standing; Zoology 6 credits. Required: Zoology 7a or 157a; Zoology 7b, 157b, or 21; Zoology 106; Zoology 108a, b; Zoology 114a,b; a minimum of 15 credits of advanced work, passing a comprehensive examination before graduation.

Courses Recommended for Special Curricula: Medical Sciences, 1, 7b, 101a, b, 105, 106, 108b, 115, 117, 119; Teacher Training, 1, 7a, b, 11, 13, 21, 102, 108a,b, 109; Pre-Conservation Training, 1, 7a, 13, 21, 102, 105, 109, 112, 115, 117, 119,130.

LOWER DIVISION REQUIREMENTS - See Page 20

*1-1	Prin. of An. Biol., Lec.	)	4	1	M-Th	FB	124	Sawyer
*1-2	Prin. of An. Biol., Lab.	)		2,3	M-Th	FB	12	Sawyer and Others
13-1	Gen. Entomology, Lec.	)	4	2	M-Th	FB	B8	Allen
13-2	Gen. Entomology, Lab.	)		3,4	M-Th	FB	B4	Allen
								& Field

Courses open only to Upper Division and Graduate Students:

C101a-1	Histology, Rec.	)	4	2,3	MW	FB	125	Brauer
C101a-2	Histology, Lab.	)		2,3	TThFS	FB	127	Brauer
C105-1	Parasitology, Lec.	)	4	1	MTThF	FB	B3	Edney
C105-2	Parasitology, Lab.	)		2,3	MTThF	FB	B9	Edney
108b	Prin. of Zool. (Heredity)		2	5	M-Th	FB	125	Sawyer
110a,b,c,d	Indp. Wk.		3 ea.	By Appt.				Staff
114a,b,c,d	Zool. Seminar		1 ea.	By Appt.				Staff
130-1	Adv. Limnology, Lec.	)	4	2	M-Th	FB	B3	Neel
130-2	Adv. Limnology, Lab., Field	)		7-10	TTh	FB	11	Neel
166	Physiology of Development		3	4	M-S	FB	125	Brauer

Courses open only to Graduate Students:

206a,b,c,d	Prob. in Embryology & Histology	3	By Appt.			FB		Brauer
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* Open to Freshmen.

COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ZOOLOGY - Cont.							
209a,b,c,d	Prob. in Limnology & Ecology	3	By Appt.		FB		Neel
215a,b,c,d	Prob. in Parasitology	3	By Appt.		FB		Edney

COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
AGRICULTURAL ENTOMOLOGY							
<u>Courses open only to Upper Division and Graduate Students:</u>							
103	Econ. Ent: Fruit & Gdn. Insects	3	3	M-S	Agr.	1	Townsend
104	Econ. Ent: Farm Crop Insects & An. Parasites	3	5	M-S	Agr.	1	Townsend
AGRONOMY							
<u>Courses open only to Upper Division and Graduate Students:</u>							
102	Field Crop Ecology (July 10-26)	3	2,3,4	M-S	Agr.	304	Phillippe
103	Weeds (July 27 to August 7)	2	2,3,4	M-S	Agr.	304	Phillippe
105	Adv. Crops: Tobacco & Cereals	3	4	M-S	Agr.	1	Kinney
114	Fertilizers & Soil Mgt. (June 21 to July 8)	3	2,3,4	M-S	Agr.	301	Karraker
INTER-SESSION TRAVEL COURSES (June 3-19)							
A student planning to take either of these courses must make arrangements with the professor in charge before June 3.							
ANIMAL INDUSTRY							
27 or 127	Surv. of Dairy Ind.	3	By Appt.				Seath
46 or 146	Surv. of Poultry Ind.	3	By Appt.				Wightman
ANIMAL INDUSTRY							
1	Fm. Livestock Prod.	3	4,5	M-Th	SP	101	
						107	Barnhart
61	Genetics	3	2	M-S	D	109	Steele
62	Genetics Lab.	1	8,9	MW	D	225	Steele
<u>Courses open only to Upper Division and Graduate Students:</u>							
109a-c	Spec. Prob. in An. Husb.	3	By Appt.				Staff
121	Dairy Cattle Feeding & Mgt. (July 10-26)	3	2,3,4,5	M-S	D	113	Seath, Elliott
129a-c	Spec. Prob. in Dairying	3	By Appt.				Dairy Staff
149a-c	Spec. Prob. in Poultry	3	By Appt.				Wightman
161	Genetics	3	2	M-S	D	109	Steele
162	Genetics Lab.	1	8,9	MW	D	225	Steele
169a-c	Spec. Prob. in Genetics	3	By Appt.				Steele
ANIMAL PATHOLOGY							
<u>Course open only to Upper Division and Graduate Students:</u>							
102	Infect. Diseases of Domestic An. (June 21 to July 8)	3	2,3,4	M-S	AP	201	Hull
FARM ECONOMICS							
1	Agr. Econ.	3	2	M-S	AP	112	Bradford
<u>Course open only to Upper Division and Graduate Students:</u>							
110	Fm. Mgt.	3	3	M-S	AP	112	Bradford

COLLEGE OF AGRICULTURE AND HOME ECONOMICS—Continued

Course No	Subject	Credits	Hour	Days	Building	Room No.	Instructor
FARM ECONOMICS - Cont.							
<u>Course open only to Graduate Students:</u>							
203	Cost, Price, & Prod. Relationships in Agr. (June 21-July 8)	3	1,2,3	M-S	SP	106	Johnson
FARM ENGINEERING							
3-1	Fm. Structural Engr.	3	6,7	M-F	AE	201	Brooks
3-2	Fm. Structural Engr.(July 10-26)	3	2,3,4,5	M-S	AE	201	Brooks
4-1	Fm. Shop	3	8,9	M-F	AE	106	Young
4-2	Fm. Shop (July 27-August 12)	3	2,3,4,5	M-S	AE	106	Young
	Fm. Eng. 4-2 not open to graduating seniors.						
FORESTRY							
1	Elem. of Forestry (July 10-26)	3	2,3,4	M-S	Agr.	205	Davenport
2-1	Fm. Forestry, Lec.	3	7	MWF	Agr.	205	Davenport
2-2	Fm. Forestry, Lab.		7,8	TTh	Agr.	205	Davenport
HOME ECONOMICS							
3-1	Dietetics for Nurses	4	3,4,5	MTWF	HE	200	Taylor
3-2	Dietetics for Nurses	4	3,4,5	MTWF	HE	201	Erikson
20	Clothing	3	3,4,5	M-Th	HE	308	Guenther
	H.E. 20 open only to non-home economics students						
61	Housing	4	1,2	MTWTh	HE	105	Wilmore
<u>Courses open only to Upper Division and Graduate Students:</u>							
102-1	Dietetics, Lec.	3	7	MWF	HE	204	Wooldridge
102-2	Dietetics, Lab.		7,8	TTh	HE	204	Wooldridge
105a	Experimental Cookery	3	1,2	M-F	HE	205	Wooldridge
106a	Field Wk. in Nutrition	1	3	WF	HE	105	Wooldridge
114	Food Preservation	3	2,3,4	M-Th	HE	204	Helton
129	Interior Decoration	3	1,2	M-Th	HE	300	Parks
134	Econ. of Clothing	2	8	M-Th	HE	303	Guenther
137	Tailoring	2	4,5	M-Th	HE	307	Parks
140	The Sch. Lunch	3	5,6	M-Th	HE	105	Helton
142a	Institution Adm.	2	By Appt.				Helton
154	Family Living	4	4,5	M-Th	HE	1	Mumford
155	The Child & His Clothing	3	7	M-F	HE	303, 308	Mumford & Staff
158	Food for Children	3	1,2	M-F	HE NS	1	Erikson
161	Consumer Prob.	3	4	M-S	HE	105	Wilmore
162b	Home Mgt. & Family Relationships	3	By Appt.				Wilmore
HORTICULTURE							
<u>Course open only to Upper Division and Graduate Students.</u>							
120	Landscape Gardening (June 21 to July 8)	3	2,3,4,5	M-S	Agr.	205	Elliott
MARKETS AND RURAL FINANCE							
<u>Courses open only to Upper Division and Graduate Students:</u>							
100	Agr. Mktg.	3	1	M-S	Agr.	4	H.B.Clark

COLLEGE OF AGRICULTURE AND HOME ECONOMICS—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
MARKETS AND RURAL FINANCE - Cont.							
102a	Mktg. Tobacco & Other Farm Crops, Lec. (July 27 to August 12)	2	2,3,4	M-S	Agr.	205	C. M. Clark
102b	Mktg. Tobacco & Other Farm Crops, Lab. (Tobacco Grading) (July 27 to August 12)	1	2,3,4	M-S	Agr.	205	C. M. Clark
110	Agr. Prices	3	2	M-S	Agr.	4	Card
130	Agr. Statistics	3	3	M-S	Agr.	4	H. B. Clark
<u>Course open only to Graduate Students:</u>							
202a-c	Spec. Prob. in Mktg. & Rur. Fin.	3	By Appt.				Brown
RURAL SOCIOLOGY							
<u>Courses open only to Upper Division and Graduate Students:</u>							
115	Organization of Rur. Groups	3	1	M-S	Agr	1	Bauder
190a-c	Spec. Prob. in Rur. Life	2	By Appt.				Staff
<u>Course open only to Graduate Students:</u>							
200a-c	Res. in Rur. Soc.	2	By Appt.				Staff

COLLEGE OF ENGINEERING

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ARCHITECTURAL ENGINEERING							
4a	Arch. Design	3	18 hrs.	By Appt.	AH	216	Gray
4b	Arch. Design	3	18 hrs.	By Appt.	AH	216	Gray
6a	Adv. Arch. Design	4	24 hrs.	By Appt.	AH	216	Gray
CIVIL ENGINEERING							
15	Gen. Surv.	3	Summer Surveying Camp				Shaver
16b	Route Surv.	3	Camp Robinson				Blythe &
17	Hydrographic Surv.	1	Noble, Kentucky				others
18	Map. & Topographic Draw.	2	1:00- 2:50	M-F	Engr. Annex		Hoffman
31	Highway Location, Construc. & Maintenance	2	3	M-Th	AH	214	Pendley
81-1	Testing Mat. (20)	1	1,2	TTh	AH	108	Chambers
81-2	Testing Mat. (20)	1	1:00- 2:50	MW	AH	108	Pendley
81-3	Testing Mat. (20)	1	1:00- 2:50	TTh	AH	108	Chambers
110a	Reinforced Concrete	4	2	M-S	AH	206	Williams
			1:00- 3:50	TTh			
110b	Reinforced Concrete	3	10 hrs.	By Appt.	AH	207	Mory
120	Hydraulics	2	5	T-F	AH	206	Cheek
123	Hydraulics Lab.	1	1:00- 3:50	TTh	AH	108	Cheek
171a	Theory of Structures	3	4	M-S	AH	214	Moldovan
171b	Theory of Structures	3	2	M-S	AH	214	Mory
173a	Steel Structures	3	4,5	M-S	AH	212	Mory
			2 hrs.	By Appt.			
173b	Steel Structures	2	12 hrs.	By Appt.	AH	207	Williams
174	Graph. Solutions	2	1:00- 3:50	M-Th	AH	216	Moldovan
ELECTRICAL ENGINEERING							
11-1	Elec. Lab.	1	4,5	TF	Engr. Annex	Lab.	Adams
11-2	Elec. Lab.	1	4,5	WS	Engr. Annex	Lab.	Adams
21	Prin. of Elec. Engr.	4	1	M-S	AH	210	Garrott
21-11	Prin. of Elec. Engr., Lab.		2,3	TTh	AH	130	
21-12	Prin. of Elec. Engr., Lab.		3,4	WF	AH	130	
101	Fund. of Elec. Mach., Rec. & Lab., Lec.	3	6	M-S	AH	210	Garrott
101-11	Fund. of Elec. Mach., Lab.		1:00- 2:50	T	AH	130	
			3:00- 4:50	Th			
101-12	Fund. of Elec. Mach., Lab.		3:00- 4:50	TF	AH	130	
105b-1	Elec. Engr. Circ. & Mach., Rec.	4	6	M-S	AH	232	Kav
105b-1	Elec. Engr. Circ. & Mach., Lab., Lec.		2:00- 2:50	MW	AH	232	
105b-11	Elec. Engr. Circ. & Mach., Lab.		1:00- 2:50	T	AH	130	
			3:00- 4:50	Th			
105b-12	Elec. Engr. Circ. & Mach., Lab.		3:00- 4:50	TF	AH	130	
107	Elec. Controls, Rec. & Lab., Lec.	3	3	MWFS	AH	205	Noble
107-11	Elec. Controls, Lab.		1:00- 2:50	MTh	AH	130	

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ELECTRICAL ENGINEERING - Cont.							
107-12	Elec. Controls, Lab.		1:00-2:50	WF	AH	130	
108	Ind. Electronics, Rec. & Lab. Lec.	3	1	M-S	AH	206	Smith
108-11	Ind. Electronics, Lab.		1:00-2:50	MTh	AH	130	
						244	
108-12	Ind. Electronics, Lab.		1:00-2:50	WF	AH	130	
						244	
110	Elec. Lab., Lab. Lec.	2	3	WF	AH	206	Bureau
110-11	Elec. Lab., Lab.		1:00-2:50	MTh	AH	130	
110-12	Elec. Lab., Lab.		1:00-2:50	WF	AH	130	
110-13	Elec. Lab., Lab.		3:00-4:50	MTh	AH	130	
110-14	Elec. Lab., Lab.		3:00-4:50	WF	AH	130	
114-1	Alt. Cur. Circ., Rec.	4	3	M-S	AH	204	Noble
114-1	Alt. Cur. Circ., Lab. Lec.		6	MW	AH	204	Nierenberg
114-11	Alt. Cur. Circ., Lab.		1,2	TTh	AH	130	
114-12	Alt. Cur. Circ., Lab.		4,5	WS	AH	130	
115-1	Dir. Cur. Mach., Rec. & Lab. Lec.	3	1	M-S	AH	232	Barnett
115-11	Dir. Cur. Mach., Lab.		4,5	TTh	AH	130	
115-12	Dir. Cur. Mach., Lab.		4,5	WS	AH	130	
116-1	Alt. Cur. Mach., Rec.	4	1	M-S	AH	205	Becraft
116-1	Alt. Cur. Mach., Lab. Lec.		4	WF	AH	205	
116-11	Alt. Cur. Mach., Lab.		3,4	MTh	AH	130	
116-12	Alt. Cur. Mach., Lab.		3,4	TS	AH	130	
120	Elec. Circ. Anal.	3	5	M-S	AH	204	Smith
123	Elec. Equip. Prob., Lec.	2	4	WS	AH	232	Nierenberg
						10 hrs. Lab. By Appt.	
124	Elec. Design, Lec.	2	3	TTh	AH	206	Barnett
						10 hrs. Lab. By Appt.	
135-1	Elec. Networks, Rec.	4	4	M-S	AH	210	Allisc
135-1	Elec. Networks, Lab. Lec.		3	TTh			
135-11	Elec. Networks, Lab.		1:00-2:50	MTh	Engr. Lab. Annex		
135-12	Elec. Networks, Lab.		1:00-2:50	WF	Engr. Lab. Annex		
136	Illumin. Engr., Rec.	3	2	MTThF	AH	205	Maney
			4 hrs. Lab. By Appt.				
137	Elec. Power Trans. & Distrib.	3	5	M-S	AH	205	Nierenberg
151b	Seminar	1	4	MTThF	AH	232	Farris
161-1	Electronics, Rec.	4	2	M-S	AH	210	Meek
161-1	Electronics, Lab. Lec.		3	MTh	AH	212	
161-11	Electronics, Lab.		1:00-2:50	MTh	Engr. Lab. Annex		
161-12	Electronics, Lab.		1:00-2:50	WF	Engr. Lab. Annex		
162-1	Radio Engr. II, Rec.	4	2	M-S	AH	232	Farris
164-1	Radio Engr. II, Lab. Lec.		3	WS	AH	212	
164-11	Radio Engr. II, Lab.		1:00-2:50	MTh	AH	244	
164-12	Radio Engr. II, Lab.		1:00-2:50	WF	AH	244	
164	Radio Engr.--Fund. of Elec. Waves	2	3	MTThF	AH	210	Romanowitz

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
ENGINEERING - GENERAL							
<u>Applied Mechanics</u>							
2	Mechanisms (Mech.)	3	4 1:00- 3:50	MTThF TTh	AH	204 216	Williams
3-1	Statics	3	4	M-S	AH	201	Barber
3-2	Statics	3	5	M-S	AH	201	Williams
4	Dynamics (Civ. & Elec.)	2	3	MWFS	AH	201	Barber
6	Mechanisms (Elec.)	2	2	MWFS	AH	201	Barber
7	Dynamics (Mech.)	3	2	M-S	AH	204	Adams
100-1	Strength of Mat.	4	2 3	M-S TTh	AH	202 202	Hawkins
100-2	Strength of Mat.	4	4 5	M-S MW	AH	202 202	Adams
<u>Engineering Drawing</u>							
1a-1	Elem. Engr. Draw.	2	2,3	M-S	Engr. Annex		Nollau
1a-2	Elem. Engr. Draw.	2	4,5	M-S	Engr. Annex		Hoffman & Mock
1b	Descript. Geom.	2	4,5	M-S	Engr. Annex		
2	Mech. Draw. (For students in Ind. Chem.)	1	2,3	MWF	Engr. Annex		
18-1	Adv. Engr. Draw.	2	4,5	M-S	Engr. Annex		
18-2	Adv. Engr. Draw.	2	1:00- 2:50 3:00- 3:50	M-F ThF	Engr. Annex Engr. Annex		
MECHANICAL ENGINEERING							
15a-1	Mfg. Proc., Lec.	2	5	MTh	AH	232	Cannizzo
15a-11	Mfg. Proc., Lab.		1:00- 3:50	MTh	AH	110c	Mangelsen
15a-12	Mfg. Proc., Lab.		1:00- 3:50	TF	AH	110c	Mangelsen
15b-1	Mfg. Proc., Lec.	2	5	TF	AH	232	Carter
15b-11	Mfg. Proc., Lab.		1:00- 3:50	W	AH	110c	Mangelsen
			2,3,4	S			
100a	Mach. Design	3	4	M-S	AH	235	Cannizzo
100b	Mach. Design	3	3	MWF	AH	235	Carter
			2:00- 4:50	TThF	AH	216	
104a	Engr. Thermo.	3	4	M-S	AH	236	Savage
104b	Engr. Thermo	3	3	M-S	AH	236	Knight
105	Power Plant Engr.	3	3	M-S	AH	219	Willis
107	Fluid Mech.	3	2	M-S	AH	235	Savage
108	Int. Comb. Engines	3	2	M-S	AH	236	Meyer
109	Refrigeration	3	5	M-S	AH	235	Baker
112-1	Mech. Lab., Lec.	2	2	MW	AH	219	Baker
112-11	Mech. Lab., Lab.		3:00- 5:50	MW	AH	131a	Willis
112-12	Mech. Lab., Lab.		3:00- 5:50	TTh	AH	131a	Willis
113a-1	Mech. Lab., Lec.	2	4	MW	AH	219	Knight
113a-11	Mech. Lab., Lab.		12:00- 2:50	MF	AH	131a	Willis
113a-12	Mech. Lab., Lab.		12:00- 2:50	MTh	AH	131a	Knight
113b-1	Mech. Lab., Lec.	2	4	TTh	AH	219	Knight

COLLEGE OF ENGINEERING—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
MECHANICAL ENGINEERING - Cont.							
113b-11	Mech. Lab., Lab.		12:00- 2:50	W	AH	131a	Savage
			3:00- 5:50	F	AH	131a	
114a	Air Condit., Heat. & Ventila.	3	3	M-S	AH		Baker
114b	Air Condit., Heat. & Ventila, Des.	3	6 hrs. By Appt.		AH		Knight
122a	Seminar	1	5	MWThS	AH	219	Carter
122b	Seminar	1	5	MWThS	AH	219	Carter
129	Elem. of Heat Transfer	4	8 hrs. By Appt.		AH		Baker
134	Elem. of Engr. Thermo.	3	3	M-S	AH		Savage
METALLURGICAL ENGINEERING							
60	Met. Lab. & Shop Prac.	6	By Appt.				Staff
MINING ENGINEERING							
131	Mine Surv.	1	Summer Surveying Camp Camp Robinson Noble, Kentucky				Spokes

COLLEGE OF LAW

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
FIRST YEAR SUBJECTS							
C101b	Contracts II	2	3	M-Th	L	213	Murray
102b	Torts II	)	2	W-S	L	100	McEwen
		)	3	FS			
107b	Criminal Procedure	2	5	M-Th	L	100	Stahr
SECOND YEAR SUBJECTS							
123	Negotiable Instruments	)	2	Th-S			
		)	3	Th-S	L	213	Ham
145	Insurance	)	3	W	L	212	
		)	2	W-F	L	213	Whiteside
161ab	Constitutional Law I-II	)	2	W-S			
		)	4	W-S	L	212	Oberst
163	Wills & the Adm. of Estates	)	2	MT			
		)	2	MT	L	212	Whiteside
THIRD YEAR SUBJECTS							
C141	Partnership	1	5	TW	L	212	Ham
162	Property IV	)	2	M-W			
	(Future Interests)	)	3	M-W	L	213	Matthews
164	Conflict of Laws	)	3	Th-S			
		)	3	Th-S	L	212	Moreland
C172a	Legal Res. & Writing	1	5	MT	L	213	Murray

COLLEGE OF EDUCATION

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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A standing of 1.0 is required for admission to any course in the College of Education.

DIVISION OF ADMINISTRATION

101	Sch. Org.	3	2	M-S	TEB	231	Travelstead
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Courses open only to Graduate Students:

202	Local Sch. Adm.	3	3	M-S	TEB	231	Meece
207	Sch. Buildings & Equip.	3	5	M-S	TEB	231	Williams
231	Bus. Adm. & Fin. of Pub. Ed.	3	9	M-F	TEB	222	Meece
232	High Sch. Adm.	3	2	M-S	TEB	222	Turpen
290a,b	Technique & Professional Wk. of the Registrar	3 ea.	By Appt.		A		Spowles
301a,b	Research Prob. in Ed. Adm.	3 ea.	By Appt.		TEB	134	Williams, Meece

DIVISION OF FOUNDATIONS OF EDUCATION

16	Ed. Psy.	3	1	M-S	TEB	222	Rowley
119	The Elem. Sch. Pupil	2	4	T-F	TEB	131	McMillian
122	Ed. Tests & Measurements	3	5	M-S	TEB	131	McMillian
147	The Sec. Sch. Pupil	2	2	T-F	TEB	131	McMillian
C147	The Sec. Sch. Pupil	3	3	M-S	TEB	Kdg.A	Reed

Courses open only to Graduate Students:

201	Foundations in Ed.	5	7,8	M-F	TEB	Aud.	Hartford, Sorenson
223	Ed. Statistics	3	5	M-S	TEB	222	Sorenson
255a	Guidance & Counseling in Today's Schools (June 19-July 15)	3	7,8	M-F	TEB	131	Martin
255b	Guidance & Counseling in Today's Schools (July 17-August 12)	3	7,8	M-F	TEB	131	Martin
247a,b	Indp. Wk. in Phil. of Ed.	3 ea.	By Appt.		TEB	118	Hartford

DIVISION OF INSTRUCTION AND PLACEMENT

Business Education

158a	Tchg. Secretarial Subjects (July 3-14)	3	1:00-4:00	M-F	TEB	108	Thomas, Strony
158b	Tchg. Bookkeeping & Acctg. (July 17-28)	3	1:00-4:00	M-F	TEB	108	Musselman, Humphreys
194	Tchg. Consumer Courses in the High Sch.	3	2	M-S	WH	207	Thomas

Courses open only to Graduate Students:

C208a-d	Prob. in Bus. Ed. (Workshop) (July 3-14)	2 ea.	1:00-4:00	M-F	TEB	108	Thomas, Strony, Musselman, Humphreys
C208a-d	Prob. in Bus. Ed. (Workshop) (July 3-28)	4 ea.	1:00-4:00	M-F	TEB	108	Thomas, Strony, Musselman, Humphreys
C208a-d	Prob. in Bus. Ed. (Workshop) (July 17-August 4)	3	1:00-4:00	M-F	TEB	108	Thomas, Strony, Musselman, Humphreys
C257a,b	Seminar in Bus. Ed. (Use of Supplementary Aids & Visual Materials)	2 ea.	4	MTThE	TEB	222	Musselman

COLLEGE OF LAW

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
FIRST YEAR SUBJECTS							
C101b	Contracts II	2	3	M-Th	L	213	Murray
102b	Torts II	)	2	W-S	L	100	McEwen
		)	3	FS			
107b	Criminal Procedure	2	5	M-Th	L	100	Stahr
SECOND YEAR SUBJECTS							
123	Negotiable Instruments	)	2	Th-S			
		)	3	Th-S	L	213	Ham
145	Insurance	)	3	W	L	212	
		)	2	W-F	L	213	Whiteside
161ab	Constitutional Law I-II	)	2	W-S			
		)	4	W-S	L	212	Oberst
163	Wills & the Adm. of Estates	)	2	MT			
		)	2	MT	L	212	Whiteside
THIRD YEAR SUBJECTS							
C141	Partnership	)	1	TW	L	212	Ham
162	Property IV	)	2	M-W			
	(Future Interests)	)	3	M-W	L	213	Matthews
164	Conflict of Laws	)	3	Th-S			
		)	3	Th-S	L	212	Moreland
C172a	Legal Res. & Writing	)	1	MT	L	213	Murray

COLLEGE OF EDUCATION

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
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A standing of 1.0 is required for admission to any course in the College of Education.

DIVISION OF ADMINISTRATION

101	Sch. Org.	3	2	M-S	TEB	231	Travelstead
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Courses open only to Graduate Students:

202	Local Sch. Adm.	3	3	M-S	TEB	231	Meece
207	Sch. Buildings & Equip.	3	5	M-S	TEB	231	Williams
231	Bus. Adm. & Fin. of Pub. Ed.	3	9	M-F	TEB	222	Meece
232	High Sch. Adm.	3	2	M-S	TEB	222	Turpen
290a,b	Technique & Professional Wk. of the Registrar	3 ea.	By Appt.		A		Sprowles
301a,b	Research Prob. in Ed. Adm.	3 ea.	By Appt.		TEB	134	Williams, Meece

DIVISION OF FOUNDATIONS OF EDUCATION

16	Ed. Psy.	3	1	M-S	TEB	222	Rowley
119	The Elem. Sch. Pupil	2	4	T-F	TEB	131	McMillian
122	Ed. Tests & Measurements	3	5	M-S	TEB	131	McMillian
147	The Sec. Sch. Pupil	2	2	T-F	TEB	131	McMillian
C147	The Sec. Sch. Pupil	3	3	M-S	TEB	Kdg.A	Reed

Courses open only to Graduate Students:

201	Foundations in Ed.	5	7,8	M-F	TEB	Aud.	Hartford, Sorenson
223	Ed. Statistics	3	5	M-S	TEB	222	Sorenson
255a	Guidance & Counseling in Today's Schools (June 19-July 15)	3	7,8	M-F	TEB	131	Martin
255b	Guidance & Counseling in Today's Schools (July 17-August 12)	3	7,8	M-F	TEB	131	Martin
247a,b	Indp. Wk. in Phil. of Ed.	3 ea.	By Appt.		TEB	118	Hartford

DIVISION OF INSTRUCTION AND PLACEMENT

Business Education

158a	Tchg. Secretarial Subjects (July 3-14)	3	1:00-4:00	M-F	TEB	108	Thomas, Strony
158b	Tchg. Bookkeeping & Acctg. (July 17-28)	3	1:00-4:00	M-F	TEB	108	Musselman, Humphreys
194	Tchg. Consumer Courses in the High Sch.	3	2	M-S	WH	207	Thomas

Courses open only to Graduate Students:

C208a-d	Prob. in Bus. Ed. (Workshop) (July 3-14)	2 ea.	1:00-4:00	M-F	TEB	108	Thomas, Strony, Musselman, Humphreys
C208a-d	Prob. in Bus. Ed. (Workshop) (July 3-28)	4 ea.	1:00-4:00	M-F	TEB	108	Thomas, Strony, Musselman, Humphreys
C208a-d	Prob. in Bus. Ed. (Workshop) (July 17-August 4)	3	1:00-4:00	M-F	TEB	108	Thomas, Strony, Musselman, Humphreys
C257a,b	Seminar in Bus. Ed. (Use of Supplementary Aids & Visual Materials)	2 ea.	4	MTThE	TEB	222	Musselman

COLLEGE OF EDUCATION—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
<u>Curriculum and Instruction</u>							
175a	Mod. Ed. Prob. (Counseling) (July 10-22)	3		By Appt.	TEB	101	Nichols
175g	Mod. Ed. Prob: Ed. of Handicapped Children	3	1	M-S	TEB	131	Retherford
186	Visual Tchg. (June 19-July 1)	3		By Appt.	TEB	105	Godbey
<u>Courses open only to Graduate Students:</u>							
224	Org. & Supervision of Stud. Tchg. (July 31-August 12)	3		By Appt.	TEB	Rec	Ginger
225	Supervision of Instruct.	3	4	M-S	TEB	231	Williams
C226b	Prob. of the Sch. Curriculum (June 19-July 15)	4	9-12	M-S	TEB	Rec	Ginger and Staff
227	Prin. of Curriculum Construct.	3	3	M-S	TEB	222	Musselman
245	Org. of Audio-Visual Aids (July 17-29)	3	9-12	M-S	TEB	Rec.	Myers
<u>Elementary Education</u>							
C20	Ind. Arts in the Elem. Sch.	2	2,3	M-F	TEB	170	Haines
110	Art & Craft Activities in the Elem. Sch.	2	7,8	M-F	TEB	170	Haines
*C133	Stud. Tchg. in the Elem. Sch.	6		By Appt.	TEB	126	Ginger & Staff
173	Children's Lit.	3	3	M-S	TEB	131	Schindler
196	Science in the Elem. Sch.	3	1	M-S	TEB	Gafe.	Kelley
<u>Courses open only to Graduate Students:</u>							
212	The Elem. Sch.	3	5	M-S	TEB	Kdg.A	Schindler
C215a	Indp. Wk. in Elem. Ed. (Conference on Reading) (July 3-15)	3		By Appt.	TEB	Aud.	Duncan & others
215a,b	Indp. Wk. in Elem. Ed.	2 ea.		By Appt.	TEB	136	Duncan
229	The Elem. Prin.	3	2	M-S	TEB	Kdg.A	Duncan
<u>Secondary Education</u>							
105	Fundamentals of Sec. Ed.	3	8	M-F	TEB	222	Myers
<u>Courses open only to Seniors and Graduate Students:</u>							
*153	Stud. Tchg. in Eng.	9		By Appt.	TEB	126	Ginger & Staff
*154	Stud. Tchg. in Languages	9		By Appt.	TEB	126	Ginger & Staff
*155	Stud. Tchg. in the Sciences	9		By Appt.	TEB	126	Ginger & Staff
*156	Stud. Tchg. in Math.	9		By Appt.	TEB	126	Ginger & Staff
*157	Stud. Tchg. in the Social Studies	9		By Appt.	TEB	126	Ginger & Staff
*169a,b	Stud. Tchg. in Physical Ed. (for men only, by special arrangement)	4 ea.		By Appt.	TEB	126	Ginger & Staff
*193	Stud. Tchg. in Bus. Ed.	9		By Appt.	TEB	126	Ginger & Staff
<u>Courses open only to Graduate Students.</u>							
214	The Sec. Sch.	3	4	M-S	TEB	Kdg.A	Adams
248a,b	Indp. Wk. in Sec. Ed.	3 ea.		By Appt.	TEB	126	Ginger

DIVISION OF VOCATIONAL EDUCATION

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

COLLEGE OF EDUCATION—Continued

Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
<u>Agricultural Education</u>							
179	Determining Content in Vocational Agr. (June 19-July 8)	3	By Appt.		TEB	226	Hammonds, Wall
185a	Prob. in Agr. Ed. (August 14-August 30)	3	By Appt.		TEB	226	Tabb, Cox
185b	Prob. in Agr. Ed. (July 10-26)	3	By Appt.		TEB	Kdg. B.	Tabb
<u>Courses open only to Graduate Students:</u>							
280	Meth. in Tchg. Vocational Agr. (July 10-26)	3	By Appt.		TEB	105	Hammonds
287a	Adv. Prob. in Agr. Ed.	3	By Appt.		TEB	219	Hammonds, Tabb & Armstrong
287b	Selecting Tchg. Materials (July 27-August 12)	3	By Appt.		TEB	226	Wall
287c	Adult-Farmer Schools (June 19-July 8)	3	By Appt.		TEB	Kdg. B.	Tabb
287d	Directing Fm. Pract. (July 27-August 12)	3	By Appt.		TEB	226	Hammonds
287f	Young Farmer Schools (July 10-26)	3	By Appt.		TEB	Kdg. B.	Wall
289a,b	Res. in Agr. Ed.	3 ea.	By Appt.		TEB	219	Hammonds, Tabb, Armstrong
<u>Distributive Education</u>							
C115a	Prob. in Distributive Ed. (July 31-August 11)	2	By Appt.		TEB	105	Baker
<u>Home Economics Education</u>							
<u>Courses open only to Graduate Students:</u>							
261	Home Econ. Supervision (July 27-August 12)	3	By Appt.		TEB	136	Sneed
263	Current Prob. in Home Econ. Ed. (July 7-26)	3	By Appt.		TEB	136	Monical
264	Mod. Trends in Home Econ. Ed. (July 7-26)	3	By Appt.		TEB	107	Parker
265a	Indp. Wk. in Home Econ. Ed. (Planning the Homemaking Department Workshop) (June 19-July 6)	3	By Appt.		TEB	107	Parker, Williamson
269	Evaluation in Home Econ. Ed. (July 27-August 12)	3	By Appt.		TEB	107	Parker
<u>Industrial Education</u>							
C83	Prin. of Trade Tchg. (July 31-August 11)	3	By Appt.		TEB	101	Crumpton
C171b	Prin. & Phil. of Ind. Ed. (July 31-August 11)	3	By Appt.		TEB	201	Youmans
C143	Mod. Ind. Anal. (August 14-25)	3	By Appt.		TEB	231	Crumpton
C183b	Meth. in Ind. Ed. (August 14-25)	3	By Appt.		TEB	222	Youmans

COLLEGE OF COMMERCE

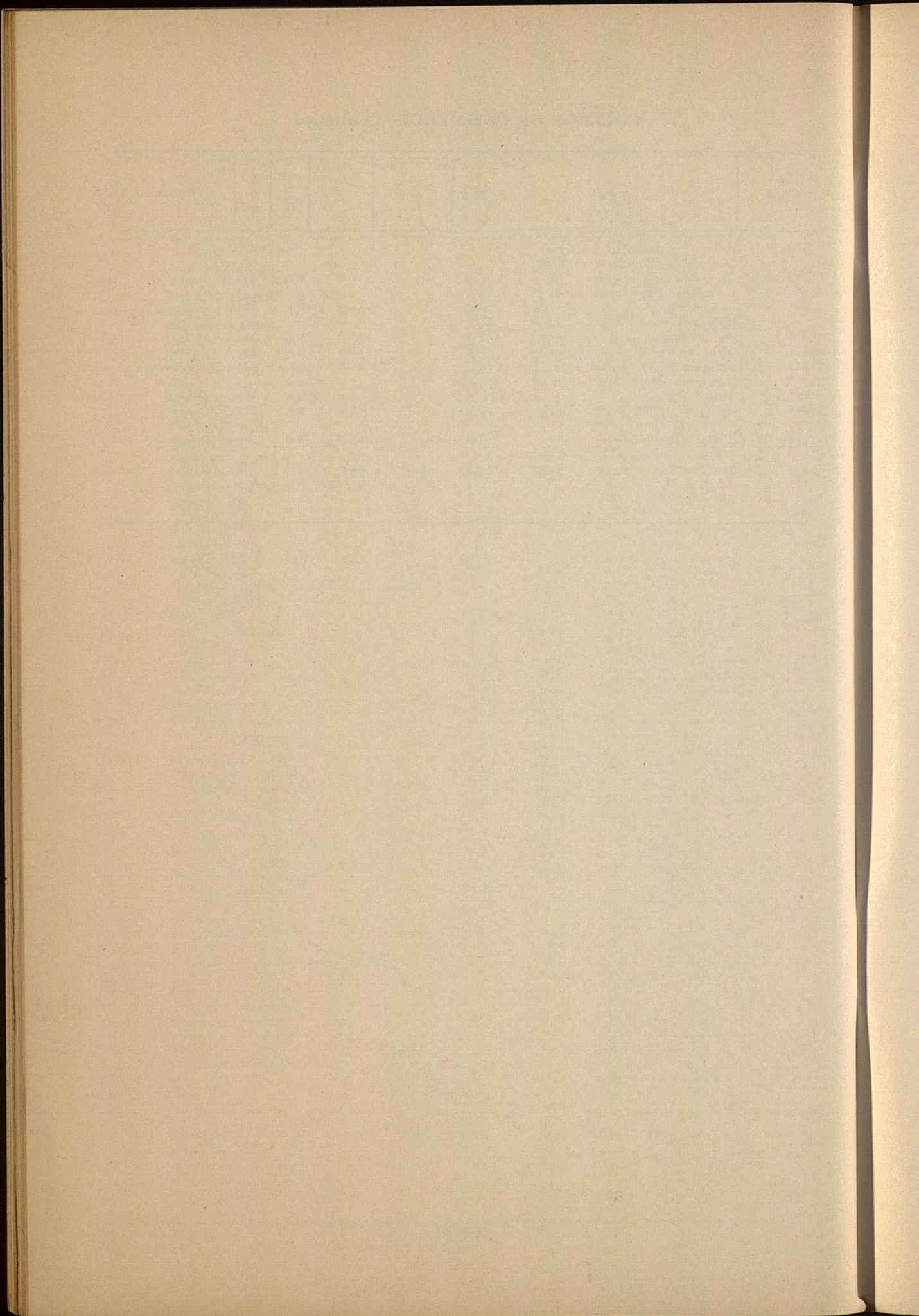
Course No.	Subject	Credits	Hour	Days	Building	Room No	Instructor
ECONOMICS							
1-1	Prin. of Econ.	3	1	M-S	WH	102	Pearce
1-2	Prin. of Econ.	3	2	M-S	SS	128	Christian
*2	Econ. Hist. of Eur.	3	3	M-S	WH	102	Pearce
*3	Econ. Hist. of the U.S.	3	2	M-S	WH	102	Jennings
*4	Resources & Ind.	3	5	M-S	WH	102	Jennings
*7a	Prin. of Acctg., Rec.	4	1	MTThF	WH	306	Tolman
	Prin. of Acctg., Lab.		2,3	MTWTh	WH	306	Tolman
*7b	Prin. of Acctg., Rec.	4	4	MTThF	WH	306	Christian
	Prin. of Acctg., Lab.		5,6	MTWTh	WH	306	Christian
16	Tutorial Work in Econ.	1	By Appt.				Carter
102	Labor Prob.	3	4	M-S	WH	103	Carter
	Prereq: Econ. 1						
103	Transportation	3	4	M-S	WH	301	Tolman
	Prereq: Econ. 1						
104	Pub. Fin.	3	1	M-S	WH	101	Sullivan
	Prereq: Econ. 1						
105	Money & Bank.	3	2	M-S	SS	203	Masten
	Prereq: Econ. 1						
107-1	Statistical Meth., Rec. & Lab.	3	1,2	MTThF	WH	401	Connor
	Prereq: Econ. 1						
107-2	Statistical Meth., Rec. & Lab.	3	4,5	MTWTh	WH	401	Connor
110	Bus. Cycles	3	2	M-S	SS	202	Haynes
	Prereq: Econ. 1 & an elem. course in Statistics						
112a-f	Indiv. Wk. in Econ.	1 ea.	By Appt.				Staff
127	International Econ.	3	3	M-S	WH	103	Sullivan
	Prereq: Econ. 1						
202a-f	Seminar	1 ea.	By Appt.				Carpenter
203	Hist. of Econ. Thought	3	4	M-S	SS	128	Hargreaves
211	Adv. Money & Banking	3	4	M-S	SS	202	Masten
212a-b	Res. Prob. in Econ.	1 ea.	By Appt.				Staff
218a	Econ. Theory	3	4	M-S	SS	203	Haynes
COMMERCE							
*7a	Prin. of Acctg., Rec.	4	1	MTThF	WH	306	Tolman
	Prin. of Acctg., Lab.		2,3	MTWTh	WH	306	Tolman
7b	Prin. of Acctg., Rec.	4	4	MTThF	WH	306	Christian
	Prin. of Acctg., Lab.		5,6	MTWTh	WH	306	Christian
10	Prin. of Mktg.	3	5	M-S	WH	101	Coolsen
	Prereq: Econ. 1						
†*13a	Sect. Pract. Shorthand	3	4	M-S	A	302b	Humphreys
	Prereq. or concurrent: Eng. 1a						
13b	Sect. Pract. Shorthand	3	3	M-S	WH	303	McMurtry
	Prereq: Com. 13a						
14a	Adv. Sect. Pract.	3	5	M-S	WH	303	Humphreys
	Prereq: Com. 13b & 17b						
14b	Adv. Sect. Pract.	3	5	M-S	WH	303	Humphreys
*17a	Sect. Pract. Type.	2	4	MTThF	WH	303	McMurtry
	Prereq. or concurrent: Eng. 1a						
17b	Sect. Pract. Type.	2	2	MTThF	WH	303	McMurtry
101	Sect. Office Pract.	1	By Appt.				Thomas
	Prereq: Com. 14b						
106a	Intermed. Acctg.	3	5	M-S	WH	207	Cojeen
	Prereq: Com. 7b						
106b	Intermed. Acctg.	3	3	M-S	WH	301	Grady
	Prereq: Com. 7b						
109a	Bus. Law	3	3	M-S	WH	101	Lewis
109b	Bus. Law	3	5	M-S	WH	103	Lewis
117	Corp. Fin.	3	2	M-S	WH	301	Pickett
	Prereq: Econ. 1 & 7b						
118	Cost Acctg.	3	3	M-S	WH	401	Beals
	Prereq: Com. 7b						
119	Retail Merchandising	3	4	M-S	WH	101	McIntyre
	Prereq: Com. 10						
129	Credit & Statement Anal.	2	2	MTThF	WH	207	Haun
	Prereq: Com. 7a						

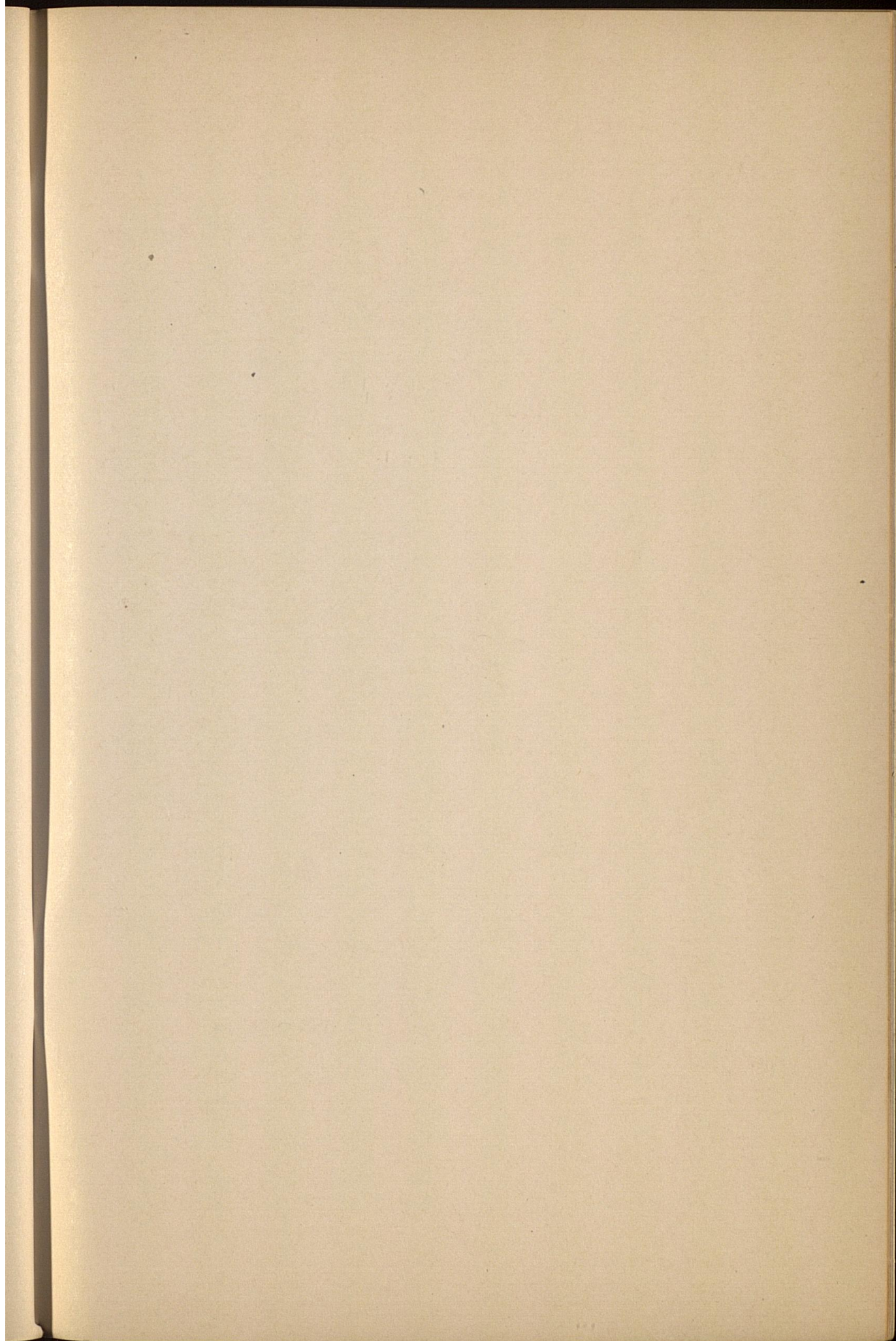
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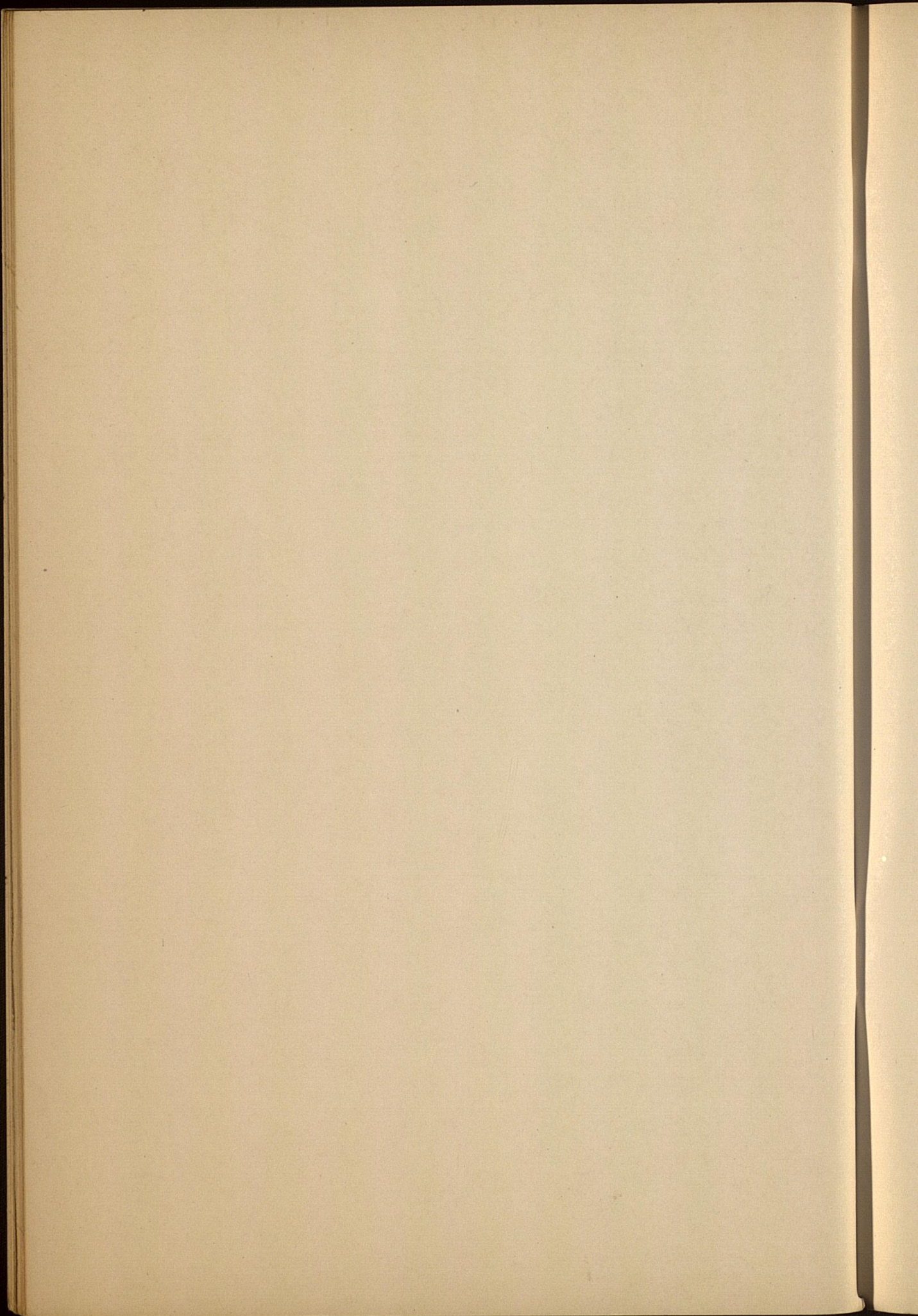
† No credit for 13b until 13a is completed. [72]

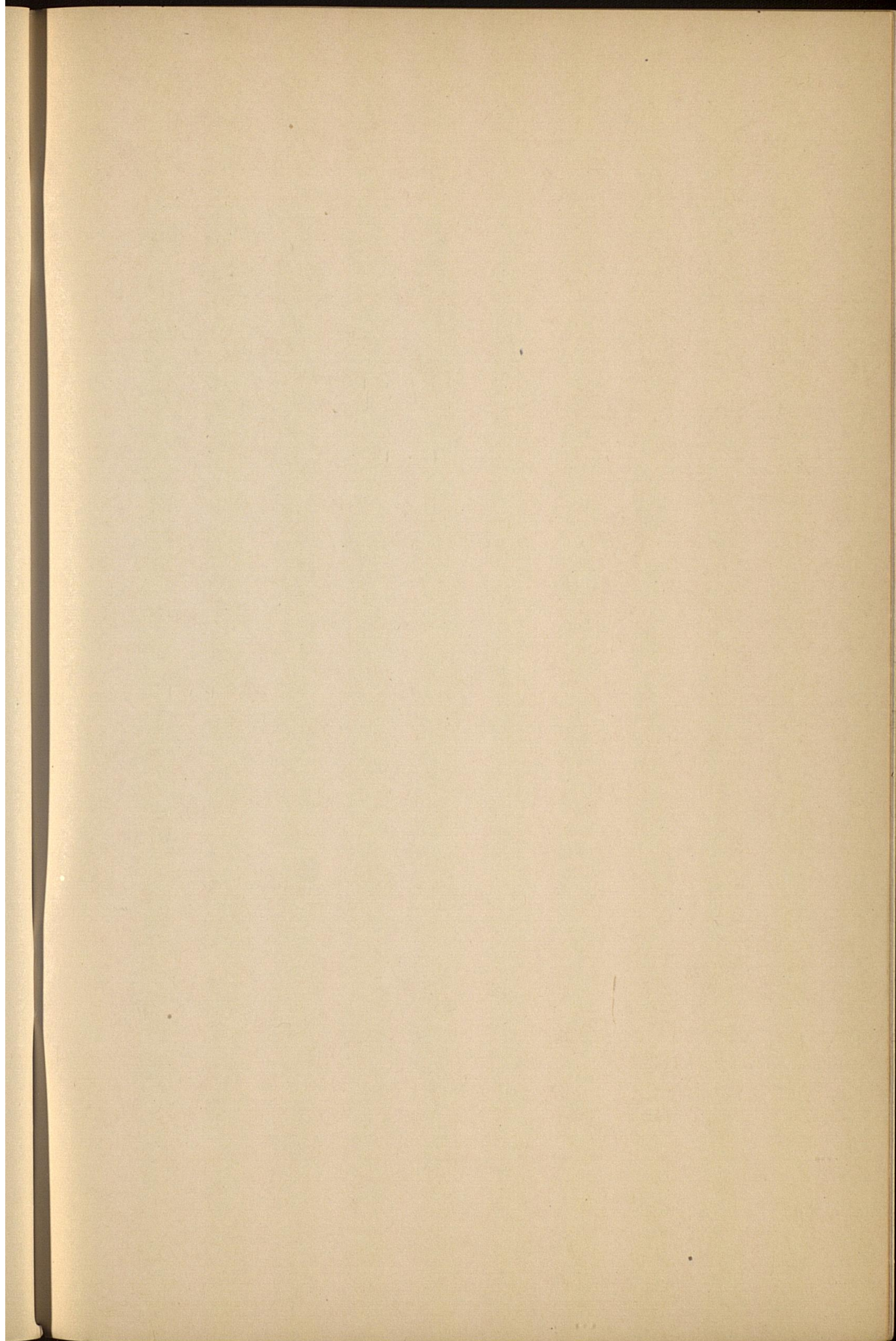
COLLEGE OF COMMERCE—Continued

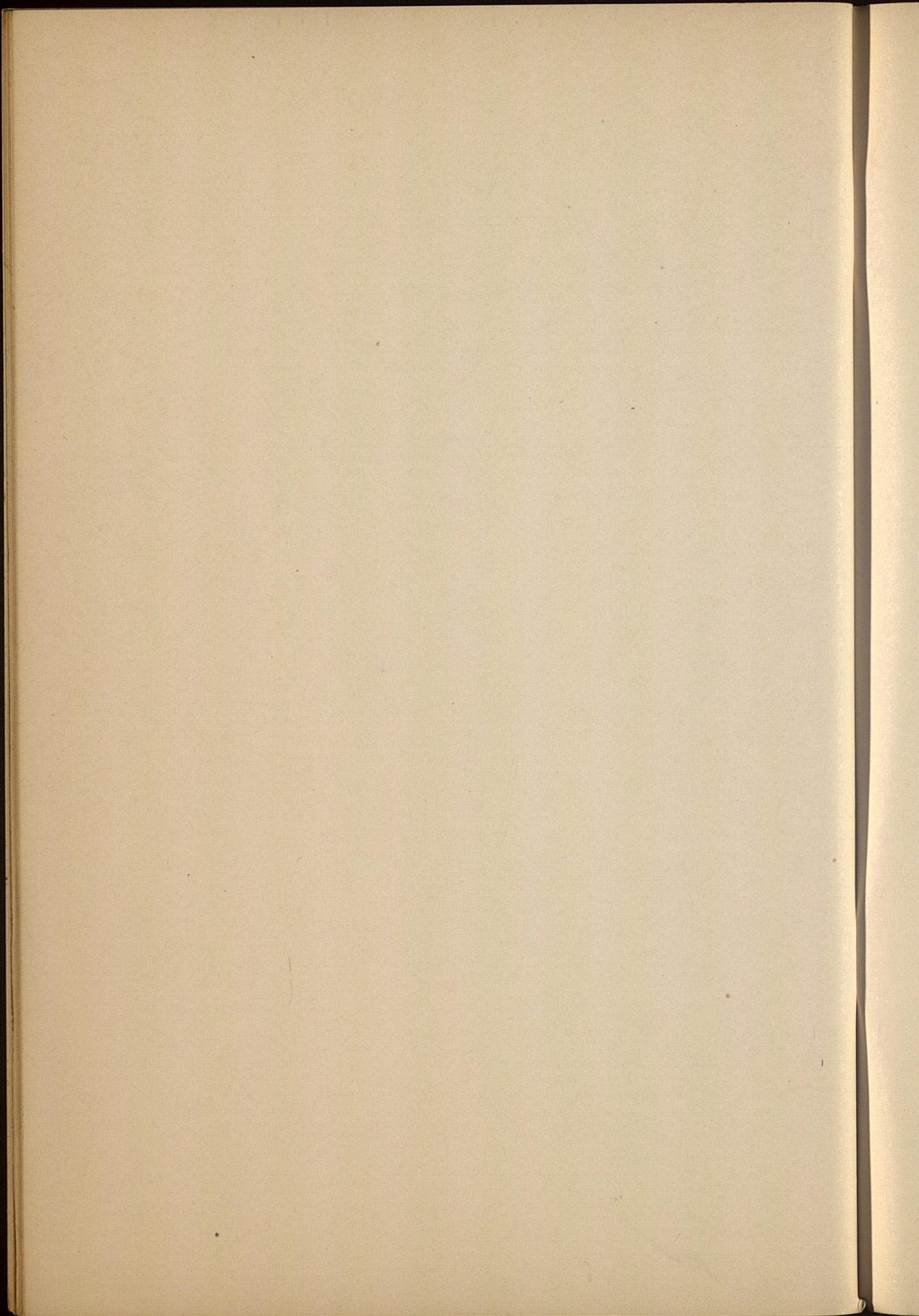
Course No.	Subject	Credits	Hour	Days	Building	Room No.	Instructor
COMMERCE - Cont.							
133	Income Tax Procedure Prereq: Com. 106b	3	4	M-S	WH	207	Haun
135	Adv. Mktg. Prereq: Com. 10	3	3	M-S	WH	207	Coolsen
136	Sales Mgt.	3	2	M-S	WH	101	McIntyre
137	Prob. in Mgt.	3	1	M-S	WH	103	Cojeen
143	Life Ins. Prereq: Econ. 1	3	2	M-S	SS	231	Hargreaves
145	Office Mgt.	3	1	M-S	WH	301	Thomas
146	Spec. Acctg. Prob. Prereq: Com. 106b	3	1	M-S	WH	207	Grady
154	Urban Real Estate Prereq: Com. 117	3	4	M-S	WH	102	Pickett
155	Ind. Relations	3	2	M-S	WH	103	Carter
159	Govt. Acctg. Prereq: Com. 7b	2	5	MThF	WH	301	Beals

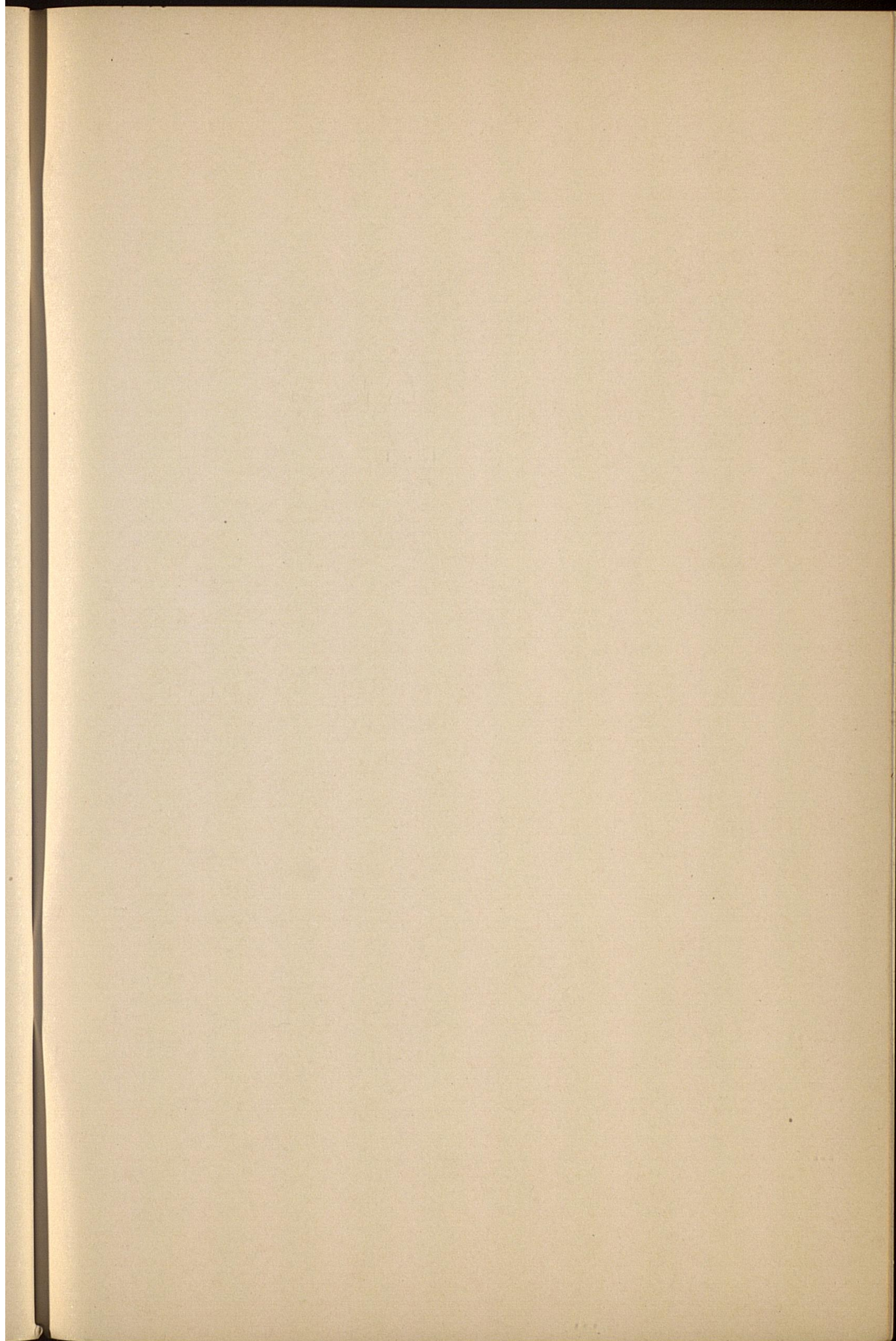


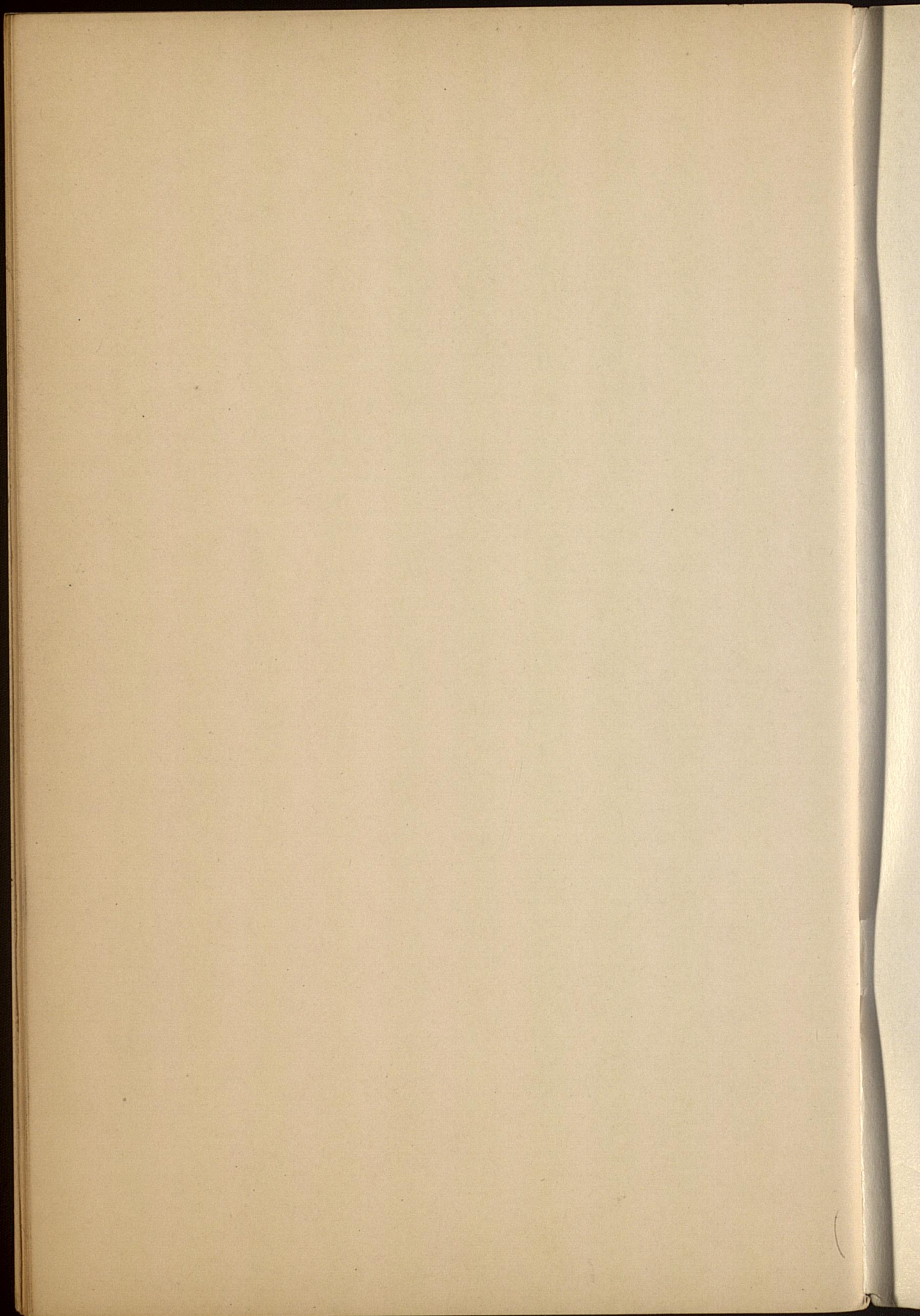


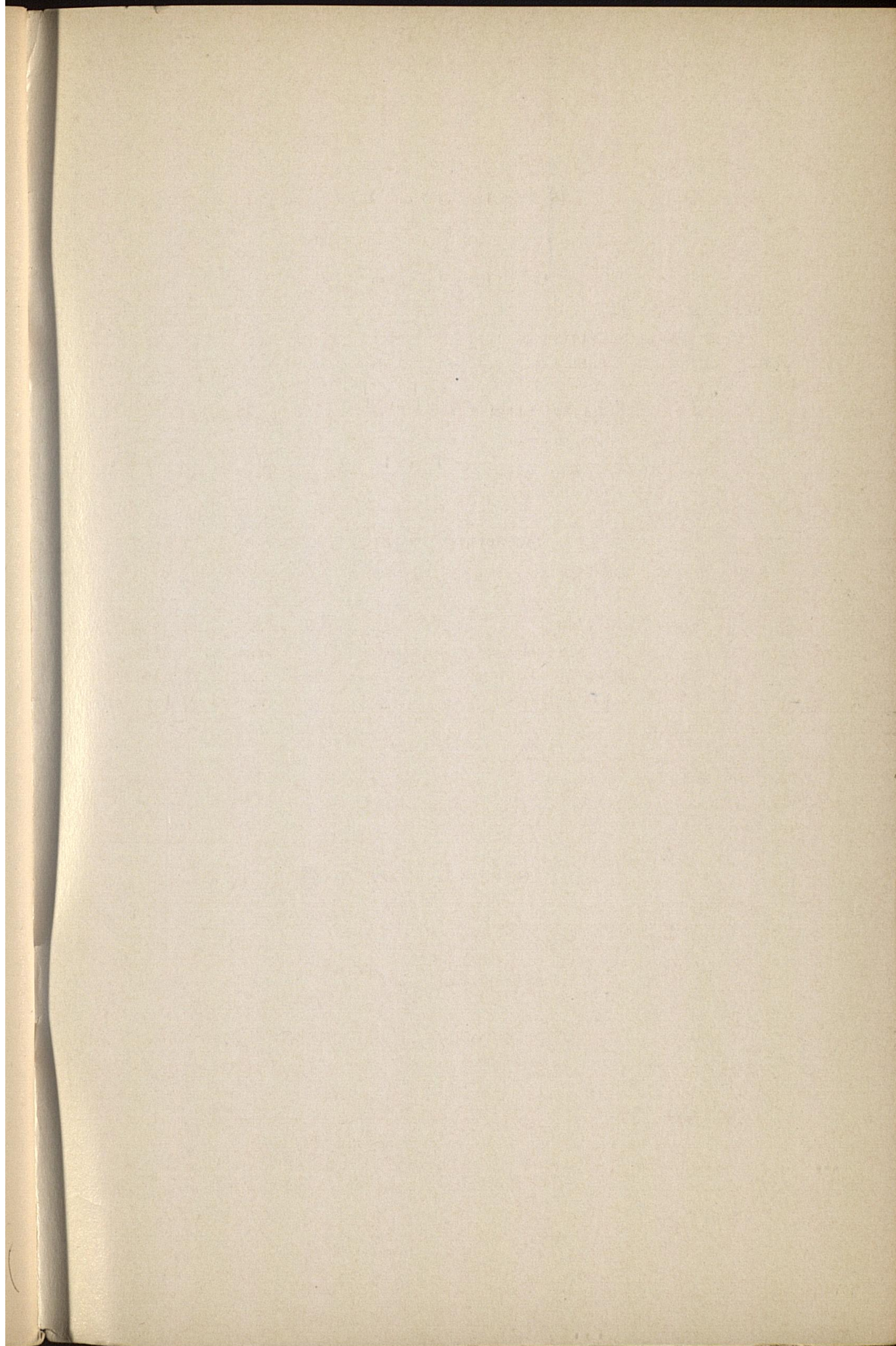


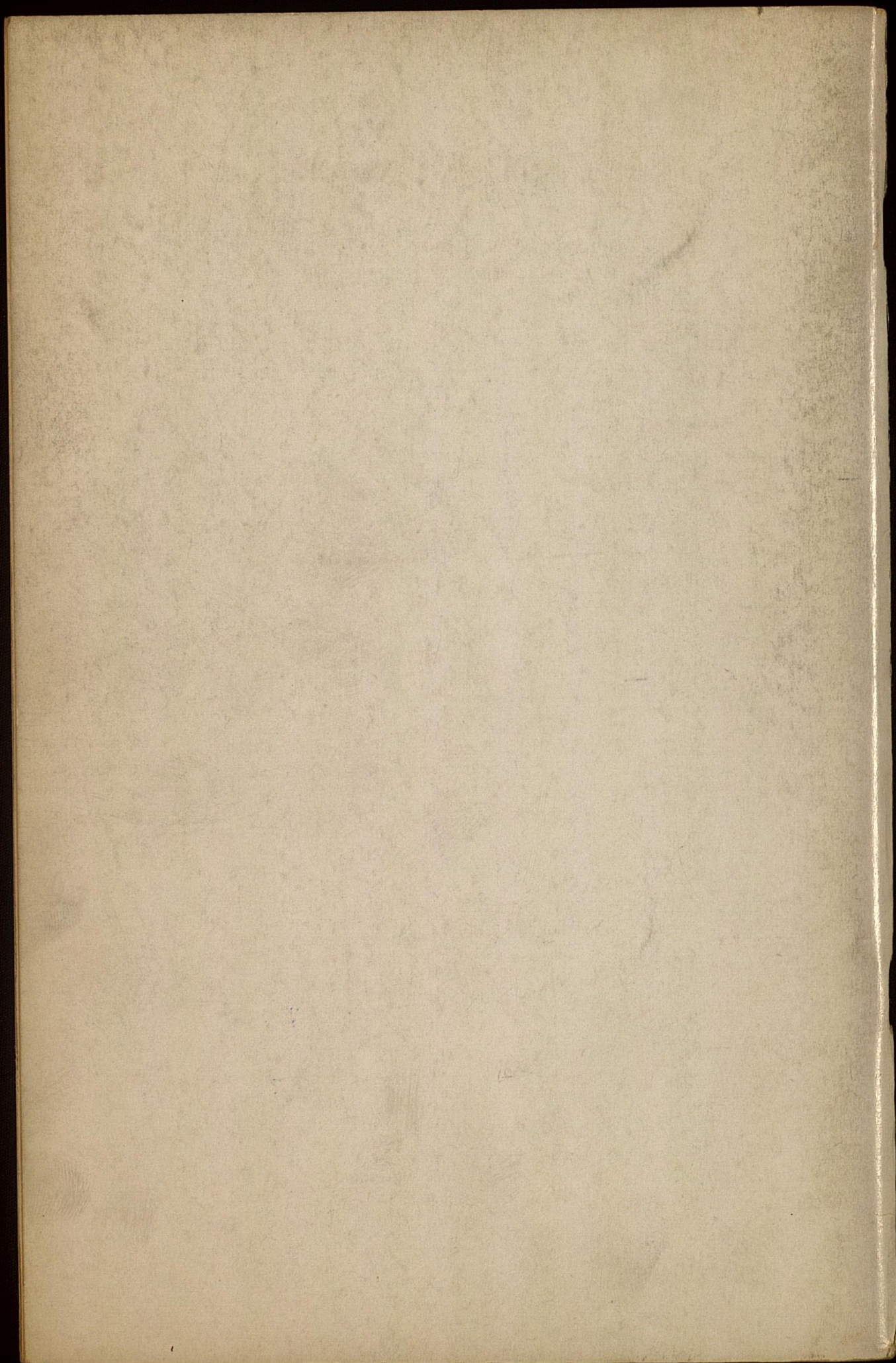












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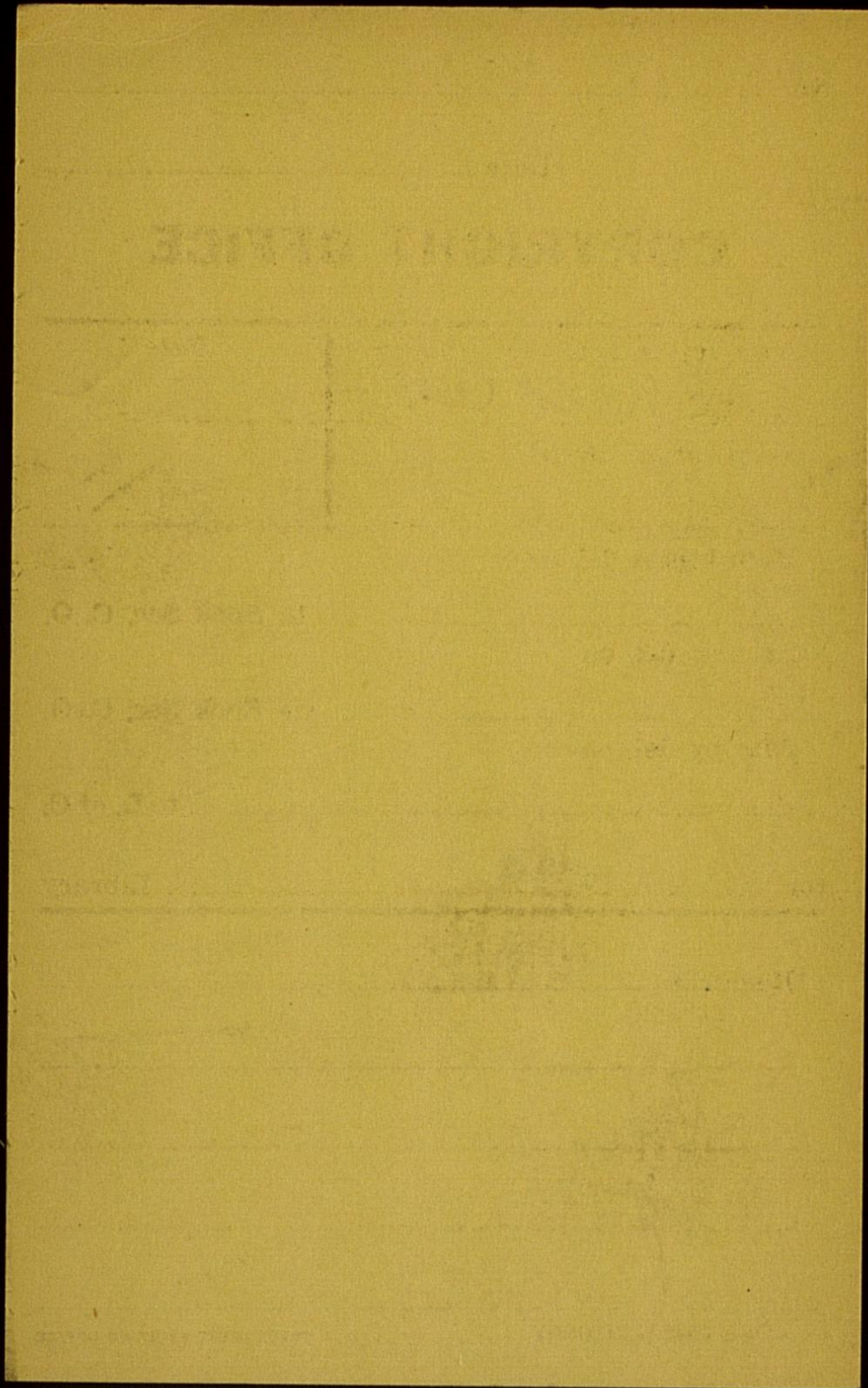
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