Bulletin of the

UNIVERSITY OF KENTUCKY

SUMMER SESSION, 1940

First Term: June 17 to July 20
Second Term: July 22 to August 24

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

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

Vol. 32 MARCH No. 3

UNIVERSITY SCHOOL

Elementary—June 14 to July 19

High School—June 10 to July 26

BULLETIN

OF THE

University of Kentucky

SUMMER SESSION, 1940

First Term: June 17 to July 20
Second Term: July 22 to August 24

CONTENTS

EXTRA-CURRICULAR EVENTS FOR 1940 SUMMER SESSION

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

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

FIRST TERM

JUNE

Thursday 20, 9:50 a. m.	Convocation, Memorial Hall, President Frank L. McVey, speaker
Thursday 20, 7:30 p. m.	Faculty Reception for students
Saturday 22, 9:00–12:00 p. m.	Dance and Bridge Party, Student Union Building
Thursday 27, 7:00 p. m.	Band Concert, Amphitheatre, Charles V. Magurean, director
Friday 28, 8:25 a. m.	Convocation, Memorial Hall, New English Players
Saturday 29, 9:00–12:00 p. m.	Dance and Bridge Party, Student Union Building

JULY

Tuesday 2, 4:00 p. m.	Blue Grass Tour
Thursday 4	Holiday
Thursday 11, 7:00 p. m.	Band Concert, Amphitheatre, Charles V. Magurean, director
Saturday 13, 9:00–12:00 p. m.	Dance and Bridge Party, Student Union Building
Monday 15, 11:15 a. m.	Convocation, Memorial Hall, Bob Jones, Jr., presenting Shakespearean characterizations
Thursday 18, 7:00 p. m.	Band Concert, Amphitheatre, Charles V. Magurean, director

SECOND TERM

Thursday 25, 8:00 p. m.	Little Symphony Concert, Memorial Hall, Professor Alexander Capurso, director
Friday 26, 9:50 a. m.	Convocation, Memorial Hall
Saturday 27, 9:00–12:00 p. m.	Dance and Bridge Party, Student Union Building

AUGUST

Thursday 1, 8:00 p. m	Little Symphony Concert, Memorial Hall, Professor Alexander Capurso, director
Tuesday 6, 11:05 a. m.	Convocation, Memorial Hall, John B. Ratto, humorist and impersonator
Thursday 8, 8:00 p. m.	Little Symphony Concert, Memorial Hall, Professor Alexander Capurso, director
Thursday 15, 8:00 p. m	Little Symphony Concert, Memorial Hall, Professor Alexander Capurso, director
Thursday 22, 7:00 p. m.	Commencement Dinner
Friday 23, 3:00–4:30 p. m.	Reception for graduates
Friday 23, 7:00 p. m	Commencement, Amphitheatre

SUMMER SESSION CALENDAR

Monday	June 17	Registration for first term.
Tuesday	June 18	Classes begin.
Monday	June 24	Last date upon which a student may register for credit for the first term's work.
Wednesday	June 26	Last date upon which a student may be dropped without a grade.
Friday	June 28	Faculty meeting in McVey Hall, Room 111.
Thursday	July 4	Holiday.
Saturday	July 6	Last date upon which a student may withdraw and receive a refund on matriculation fee for the first term.
Saturday	July 20	Examinations for the first term.
Monday	July 22	Registration for second term.
Tuesday	July 23	Classes begin.
Thursday	July 25	Last date upon which a student may register for credit for the second term's work.
Wednesday	July 31	Last date upon which a student may be dropped without a grade.
Friday	Aug. 9	Faculty meeting in McVey Hall, Room 111.
Saturday	Aug. 10	Last date upon which a student may withdraw and receive a refund on matriculation fee for the second term.
Friday	Aug. 23	Commencement.
Saturday	Aug. 24	Examinations for second term.

OFFICERS OF THE SUMMER SESSION

Frank Lerond McVey, Ph. D., LL. D., President.
Jesse E. Adams, Ph. D., Director of the Summer Session.
Edna Kirk Bosse, A. B., Secretary to the Director.
Billy Whitlow, A. B., Secretary of the Summer Session.

OFFICERS OF ADMINISTRATION

Frank Lerond McVey, Ph. D., LL. D., President.
Paul Prentice Boyd, Ph. D., Dean, College of Arts and Sciences.
Thomas Poe Cooper, B. S. in Agr., Dean, College of Agriculture.
James Hiram Graham, C. E., Dean, College of Engineering.
Alvin E. Evans, J. D., Dean, College of Law.
William S. Taylor, Ph. D., Dean, College of Education.
Edward Wiest, Ph. D., Dean, College of Commerce.
William Delbert Funkhouser, Ph. D., Dean, Graduate School.
David Howard Peak, M. A., Business Agent.
Leo M. Chamberlain, Ph. D., Registrar.
Sarah Bennett Holmes, A. B., Dean of Women in the Summer Session.
Theodore Tolman Jones, Ph. D., Dean of Men.
Maury J. Crutcher, B. M. E., Superintendent of Buildings and Grounds.
Louis Clifton, M. A., Director of University Extension.
Margaret Isadore King, A. B., Librarian.

FACULTY

ADAMS, ESTELLE, M. A.
Second Grade, University School

ADAMS, JESSE EARL, Ph. D.
Professor of Philosophy of Education; Head of the Department; Director of the Summer Session

ALLEN, RICHARD SWEETNAM, M. S.
Professor of Anatomy and Physiology; Head of the Department

ALLEN, RUTILLUS HARRISON, Ph. D.
Associate Professor of Land Economics

ALLEN, WILLIAM RAY, Ph. D.
Professor of Zoology

ALLTON, DONALD W., M. M.
Instructor in Music

ANDERSON, GRACE, M. A.
English, University School

ARMSTRONG, WATSON, M. A.
Instructor in Agricultural Education

ASHER, ESTON JACKSON, M. A.
Associate Professor of Psychology

BAKER, W. MAURICE, M. A.
Assistant Professor of Education; Head of the Department of Distributive Occupations

BARKENBUS, CHARLES, Ph. D.
Professor of Organic Chemistry

BARKLEY, MARIE RODES, M. A.
Assistant Professor of Home Economics

BARNETT, BRINKLEY, B. M. E.
Associate Professor of Electrical Engineering

BEALS, WENDELL EVERETT, M. B. A., C. P. A.
Assistant Professor of Accounting

BEARD, RHEA, M. S.
Fourth Grade, University School

BEEBE, MORRIS WILSON, M. S.
Associate Professor of Metallurgical Engineering

BEKKER, KONRAD, Dr. Jur., Ph. D.
Instructor in Economics

BEST, HARRY, Ph. D.
Professor of Sociology; Head of the Department

BETZ, LESLIE, M. A.
Commercial Subjects, University School

BIGGE, ADOLPH E., Ph. D.
Professor of German; Head of the Department

BLANDING, SARAH GIBSON, M. A.
Associate Professor of Political Science

BOYD, PAUL PRENTICE, Ph. D.
Dean, College of Arts and Sciences; Head of the Department of Mathematics and Astronomy; Professor of Mathematics

BRADFORD, LAWRENCE ALLEN, M. S.
Assistant Professor of Farm Management

BRADY, GEORGE K., Ph. D.
Professor of English

BRAUER, ALFRED, Ph. D.
Professor of Zoology

BROOKER, JOHN W., M. A.
Visiting Lecturer in Education; Superintendent of Public Instruction for Kentucky

BUCHANAN, CHARLES R., M. A.
Mathematics, University School

BUREAU, ERNEST ADOLPHE, E. E.
Professor of Electrical Engineering

CAMPBELL, WAYNE, B. S.
Visiting Instructor in Physical Education; Physical Education Director of Secondary Schools, Neodosha, Kansas

CAPURSO, ALEXANDER, Ph. D.
Executive Director, Department of Music; Professor of Music

CARPENTER, CECIL C., Ph. D.
Associate Professor of Economics

CARTER, LUCIAN HUGH, Ph. D.
Professor of Economics

CAWOOD, CHARLES D., M. D., C. P. H.
Health Officer of the City of Lexington, Fayette County, Kentucky; Assistant Professor of Hygiene and Public Health

CHAMBERLAIN, LEO MARTIN, Ph. D.
Registrar; Professor of Education

CHAMBERS, JOHN SHARPE, M. D.
Professor of Hygiene and Public Health, Head of the Department; Director of Dispensary

CHEEK, FRANK J., JR., C. E., M. S.
Professor of Sanitary Engineering

CLARK, THOMAS D., Ph. D.
Associate Professor of History

CLIFTON, LOUIS, M. A.
Lecturer in Visual Education; Director of University Extension

CONROY, KATHERINE, M. A.
Sixth Grade, University School

CRAWFORD, ALBERT BYRON, Ph. D
Assistant, Bureau of School Service

CROFT, LYSLE WARRICK, Ph. D
Instructor in Psychology; Assistant Dean, College of Arts and Sciences

CROUSE, CHARLES STEVENS, E. M.
Professor of Metallurgy; Head of the Department of Mining and Metallurgical Engineering

CUTLER, JOHN L., M. A.
Instructor in English

DANTZLER, LEHRE LIVINGSTON, Litt. D.
Professor of Philology; Head of the Department of English

DEEPHOUSE, LAURA, M. S.
Assistant Professor of Home Economics

DENNIS, LINDLEY HOAG, A. M.
Visiting Lecturer in Education; Executive Secretary of the American Vocational Association, Washington, D. C.

DIMMICK, GRAHAM B., Ph. D.
Associate Professor of Psychology

DIMOCK, WILLIAM WALLACE, D. V. M.
Professor of Veterinary Science; Head, Department of Animal Pathology, Experiment Station

DOTSON, JOHN A., M. A.
Visiting Lecturer in Education; Principal of Benham School, Benham, Kentucky

DOWNING, HAROLD HARDESTY, Ph. D.
Professor of Mathematics and Astronomy

DUNCAN, MAY K., M. A.
Associate Professor of Elementary Education; Head of the Department

DUPRE, J. HUNTLEY, Ph. D.
Professor of History

DURST, PEARL, B. S. in L. S.
Visiting Instructor in Library Science; Librarian, Shady Side Academy, Pittsburgh, Pa.

EBLEN, AMOS HALL, S. J. D.
Professor of Law

ELLIOTT, NORRIS RAYMOND, B. S.
Professor of Landscape Architecture and Floriculture; Field Agent in Horticulture, Agricultural Extension Division

ELY, FORDYCE, Ph. D.
Professor of Dairy Husbandry; in charge of Dairying, Experiment Station

EMRATH, PHILIP CASSILY, E. M.
Associate Professor of Mining Engineering

ENGELHARDT, NICKOLAUS LOUIS, Ph. D.
Visiting Lecturer in Education; Associate Director of the Division of Field Studies; Head of the Department of Advanced Professional Education, Teachers College, Columbia University

ETHELL, EMILY, M. A. in L. S.
Visiting Instructor in Library Science; Librarian, Lyons Township High School and Junior College, Lagrange, Ill.

EVANS, ALVIN E., Ph. D., J. D.
Dean, College of Law

EVANS, GEORGE L., B. A.
Visiting Lecturer in Education; Director, Division of School Finance, Department of Education, Frankfort, Kentucky

FARQUHAR, EDWARD FRANKLIN, M. A.
Professor of Literature

FERTIG, JOHN W., Ph. D.
Visiting Lecturer in Hygiene and Public Health; Johns Hopkins University, School of Hygiene and Public Health

FREEMAN, WILLIAM EDWIN, E. E.
Head of the Department of Electrical Engineering; Assistant Dean, College of Engineering

FOWLER, L. C., M. A.
Visiting Instructor in Commerce; Instructor in Commerce, Murray State Teachers College

FUNKHOUSER, WILLIAM DELBERT, Ph. D., Sc. D.
Dean, Graduate School; Professor of Zoology; Professor of Anthropology; Head of the Department of Zoology

GABBARD, JAMES LAWRENCE, M. S.
Instructor in Chemistry

GALLAWAY, WILLIAM FRANCIS, Ph. D.
Assistant Professor of English

CAMPBELL, CARL, M. D., M. S. P.H.
County Health Officer, Georgetown, Kentucky, and Assistant Professor of Hygiene and Public Health

GARRIGUS, WESLEY PATTERSON, Ph. D.
Assistant Professor of Animal Husbandry and Assistant in Animal Husbandry, Experiment Station

GEIGER, CLARENCE, A. B.
Graduate Assistant in English

GODMAN, MARK, M. A.
Visiting Lecturer in Education; Director, Division of School Supervision, State Department of Education, Frankfort, Kentucky

GREGORY, R. W., Ph. D
Visiting Lecturer in Education; Specialist in Part-Time and Evening School Work, U. S. Office of Education

GRIFFIN, ROBERT J., M. D
Associate Professor of Hygiene and Physician in Dispensary

GRUNDMEIER, EDITH, M. S.
Assistant Professor of Home Economics

GUY, HOLLIS PRESTON, M. A
Assistant Professor of Commerce

HAAG, WILLIAM GEORGE, JR., M. S.
Instructor in Anthropology and Archaeology; Curator of Museum

HAINES, RUTH, M. A.
Instructor in Public School Art and Elementary Education

HALL, ELLERY L., M. A.
Assistant Professor of History

HAHN, THOMAS MARSHALL, Ph. D.
Associate Professor of Physics

HAMMONDS, CARSIE, Ph. D.
Professor of Agricultural Education; Head of the Department

HAMILTON, WILLIAM BROOKS, Ph. D.
Bacteriologist; Associate Professor of Hygiene and Public Health

HANKINS, THOMAS L., B. S.
Instructor in Industrial Education

HANSEN, WILLIAM HOWARD, A. B., LL. B.
Visiting Instructor in Education; Director of Highway Patrol for Kentucky

HAUGEN, RUTH, M. A.
Assistant Professor of Social Work

HAUN, ROBERT D., M. A., C. P. A.
Professor of Accounting

HAWKINS, ROBERT DAWSON, M. E.
Professor of Applied Mechanics

HEINZ, WILBUR AUGUST, M. S.
Associate Professor of Hygiene and Public Health

HILL, HENRY HARRINGTON, Ph. D.
Lecturer in Education

HORINE, JOHN SHERMAN, M. E.
Associate Professor of Engineering Drawing

HORLACHER, LEVI JACKSON, M. S.
Professor of Animal Husbandry; Assistant Dean in Resident Teaching, College of Agriculture

HUDDLESTON, JOSEPH J., M. A.
Instructor in Physical Education

JAGGERS, R. E., Ph. D.
Visiting Lecturer in Education; Director, Division of Teacher Training and Certification, State Department of Education, Frankfort, Kentucky.

JENNINGS, WALTER WILSON, Ph. D.
Professor of Economics

JOHN, FRITZ, Ph. D.
Associate Professor of Mathematics

JONES, THEODORE TOLMAN, Ph. D.
Dean of Men; Professor of Ancient Languages; Head of the Department

KARRAKER, PERRY ELMER, M. A.
Professor of Soils; Agronomist in Soil Technology, Experiment Station

KARSNER, MILO G., M. A.
Instructor in Physical Education

KEFFER, J. L., M. S.
Chemistry and Mathematics, University School

KELLEY, JAMES BYRON, B. S. in A. E., B. S. in M. E.
Professor of Agricultural Engineering

KEMPER, DURBIN C., M. A.
Science, University School

KETCHUM, MARSHALL D., Ph. D.
Assistant Professor of Economics

KINNEY, EDMUND J., B. S.
Professor of Farm Crops; Agronomist in charge of Tobacco and Cereal Investigation, Experiment Station

KIRKPATRICK, LEE, M. A.
Visiting Lecturer in Education; Superintendent of Schools, Paris, Kentucky

KIRWAN, ALBERT D., A. B.
Professor in Department of Athletics; Head Football Coach

KNAPP, CHARLES MERRIAM, Ph. D.
Professor of History

KNIGHT, GRANT COCHRAN, M. A.
Professor of English

KOPPIUS, OTTO TOWNSEND, Ph. D
Professor of Physics

KUIPER, JOHN, M. A.
Professor of Philosophy; Head of the Department

LAMPERT, CARL ALBERT, B. M.
Professor of Music; Head of the Department

LATIMER, CLAIBORNE GREEN, Ph. D.
Professor of Mathematics

LAWRENCE, ARMON JAY, M. A.
Associate Professor of Commerce and Education

LEE, EDWIN AUGUSTUS, Ph. D.
Visiting Lecturer in Education; Professor of Education, Teachers College, Columbia University

LESTOURGEON, FLORA ELIZABETH, Ph. D.
Associate Professor of Mathematics

LEWIS, MILDRED S., B. S. in Music
Instructor in Music

LIGON, MOSES EDWARD, M. A., LL. D.
Professor of Secondary Education; Head of the Department

LILES, PARKER, M. A.
Instructor in Commerce

LIMBURG, MILDRED KING, M. A.
Kindergarten, University School

LUNDE, ROBERT GERHARD, M. A.
Assistant Professor of History

MCFARLAN, ARTHUR CRANE, Ph. D.
Professor of Geology; Head of the Department

MCFARLAND, FRANK T., Ph. D.
Professor of Botany, Head of the Department

McINTEER, BERTHUS BOSTON, Ph. D.
Associate Professor of Botany

McINTYRE, ROBSON DUNCAN, M. S. in Commerce
Professor of Marketing and Salesmanship

McLAUGHLIN, MARGUERITE, A. B.
Assistant Professor of Journalism

MAGUREAN, CHARLES V., M. M.
Instructor in Music

MANNING, JOHN WALKER, Ph. D.
Professor of Political Science; Director, Bureau of Government Research

MARTIN, JAMES W., M. A.
Professor of Economics; Director, Bureau of Business Research

MASON, LELA W., M. A.
Instructor in Music and Education

MAY, AUGUSTUS NOAH, B. S.
Professor of Industrial Education; Head of the Department

MEECE, LEONARD E., Ph. D.
Assistant, Bureau of School Service

MEYER, A. J., B. S. in M. E.
Professor of Aeronautical and Mechanical Engineering

MEYER, M. C., A. B.
Instructor in Zoology

MILLER, FANNIE HERMAN, M. A.
Speech and Dramatics, University School

MITCHELL, JOHN RICHARD, A. B.
Assistant Professor of Chemistry

MITCHELL, JOHN STAPP, M. A.
Mathematics, University School

MOLLOY, JEANETTE, M. A.
Fifth Grade, University School

MONTGOMERY, MARY KING, M. A.
Instructor in Physical Education

MOORE, HENRY B., M. B. A.
Associate Professor of Economics

MORELAND, ROY, J. D.
Professor of Law

MORRISON, HENRY BARTLETT, M. S.
Assistant Professor of Dairying; Assistant in Dairying, Experiment Station

MUSTARD, HARRY S., M. D
Visiting Lecturer in Hygiene and Public Health; Professor of Health Administration, School of Medicine, New York University

NEBLETT, P, H.
Visiting Lecturer in Education; Director, Division of Free Textbooks, State Department of Education, Frankfort, Kentucky

NELSON, VINCENT E., A. B.
Assistant Professor of Geology

NEWBURY, EDWARD, M. A
Assistant Professor of Psychology

NICHOLLS, WILLIAM DURRETT, Ph. D.
Professor of Farm Management; Head, Department of Farm Economics

NICHOLS, HOMER W., M. A
Visiting Lecturer in Education; Director of Division of Special Education, Department of Education, Frankfort, Kentucky

NICHOLS, MARGARET J., A. B., R.N.
Instructor in Public Health Nursing

NUCKOLS, SAMUEL, M. A.
Instructor in English

OGLE, ROBERT B., M. A.
Instructor in Music

PALMER, EDGAR Z., Ph. D.
Professor of Economics

PALMER, VIVIEN MARIE, Ph. D.
Associate Professor of Social Work; Head of the Department

PARDUE, LOUIS A., Ph. D.
Associate Professor of Physics

PARKER, ETHEL LEE, M. A.
Professor of Home Economics Education; Head of the Department

PATRICK, WELLINGTON, Ph. D.
Professor of History of Education; Head of the Department

PECK, ANNA BROWNING, M. A.
Social Sciences, University School

PEERSON, NELL, M. A.
First Grade, University School

PITTMAN, WILLIAM H., LL. B
Professor of Law

PLUMMER, L. NIEL, M. A
Associate Professor of Journalism; Head of the Department

PORTMANN, VICTOR R., B. J.
Assistant Professor of Journalism

POTTER, MERWIN ELWOOD, M. A.
Professor of Physical Education; Head of the Department

PRICE, HUGH BRUCE, Ph. D.
Professor of Agricultural Economics; Head, Department of Markets and Rural Finance

RANDALL, FRANK HALL, S. J. D.
Professor of Law

RANNELLS, EDWARD WARDER, A. B.
Professor of Art; Head of the Department

RATLIFF, MARGARET, Ph. D.
Instructor in Psychology

REBNER, WOLFGANG
Visiting Instructor in Music; Artist Pianist of the Community Concert Series

RINGROSE, ARTHUR T., Ph. D.
Assistant Professor of Poultry Husbandry

ROBERTS, WILLIAM LEWIS, S. J. D., J. D.
Professor of Law

ROGERS, L. M., M. D.
Director of Mental Hygiene Studies, United States Public Health Service

ROSS, CLAY CAMPBELL, Ph. D.
Professor of Educational Psychology; Head of the Department

RUPP, ADOLPH F., M. A.
Professor in Department of Athletics; Head Coach of Varsity Basketball

RYLAND, HOBART, M. A., Docteur de l'Universite'
Professor of Romance Languages; Head of the Department

SCHERAGO, MORRIS, B. S., D. V. M.
Professor of Bacteriology; Head of the Department

SCHICK, BLAINE, M. A.
Assistant Professor of Romance Languages

SEAY, MAURICE F., M. A.
Professor of Educational Administration, Head of the Department; Director, Bureau of School Service

SEEDS, FRANCES, M. S.
Assistant Professor of Home Economics

SEMMONS, MILDRED, M. A. in L. S.
Professor of Library Science; Head of the Department

SERVER, ALBERTA, M. A., Docteur de l'Universite'
Assistant Professor of Romance Languages

SHANNON, JASPER BERRY, Ph. D.
Associate Professor of Political Science

SHAVER, ROBERT EZEKIAL, C. E.
Associate Professor of Civil Engineering

SHIPMAN, MARTHA VIRGINIA, M. A.
English and Social Studies, University School

SHIVELY, BERNIE, M. A.
Professor in Department of Athletics, Head of the Department; Director of Intercollegiate Athletics

SMITH, BETHANIA, M. S. in L. S.
Visiting Instructor in Library Science

SNAVELY, CARL G., M. A.
Visiting Lecturer in Athletics; Head Football Coach, Cornell University

SPICKARD, RONELLA, M. S.
Associate Professor of Home Economics Education

STARNES, W. GAYLE, M. A.
Lecturer in Education; Assistant Director of University Extension

STEELE, DEWEY G., Ph. D.
Assistant Professor of Genetics

STEWART, OLUS JESSE, Ph. D
Associate Professor of Chemistry

STONE, OLIVE M., Ph. D.
Visiting Lecturer in Sociology; Director of the Richmond School of Social Work and Public Health of the College of William and Mary

SULLIVAN, RODMAN, M. A.
Associate Professor of Economics

SUTHERLAND, WILLIAM ROBERT, A. B.
Assistant Professor of English

TABB, WILLIAM R., M. S. in Education
Instructor in Agricultural Education

TAYLOR, WILLIAM SEPTIMUS, Ph. D.
Dean, College of Education; Professor of Education

TEMPLETON, W. C., Jr., M. S.
Instructor in Agronomy

TERRELL, DANIEL VOIERS, C. E
Professor of Civil Engineering; Head of the Department

TOPHAM, LAURA, M. A., C. E. F.
French, University School

TOWNSEND, LEE H., Ph. D
Assistant Professor of Agricutural Entomology

TRIMBLE, ERNEST G., Ph. D.
Associate Professor of Political Science

TUTHILL, EDWARD, Ph. D.
Professor of History; Head of the Department

VANDENBOSCH, AMRY, Ph. D.
Professor of Political Science; Head of the Department

VAUGHAN, MARY BELL, M. S.
Visiting Lecturer in Education; Assistant Supervisor of Home Economics Education, Department of Education, Frankfort, Kentucky

WALTON, MOSS, M. A.
Visiting Lecturer in Education; Director of Division of School Census and Attendance, Department of Education, Frankfort, Kentucky

WALTON, S. BROOKS, M. E.
Assistant Professor of Mechanical Engineering

WARBURTON, F. W., Ph. D.
Associate Professor of Physics

WARD, WILLIAM S., M. A.
Instructor in English

WARREN, MARGARET, A. B.
Instructor in Physical Education

WEAVER, RALPH HOLDER, Ph. D.
Professor of Bacteriology

WEST, MARY LUCILLE, M. A.
Languages, University School

WHITE, BENNETT SEXTON, JR., Ph. D.
Assistant Professor of Agricultural Economics

WHITE, MARTIN M., Ph. D.
Professor of Psychology

WIEST, EDWARD, Ph. D.
Dean, College of Commerce; Professor of Economics

WILFORD, EDWARD JAMES, M. S.
Associate Professor of Animal Husbandry; in charge of Meats Laboratory; Assistant in Animal Husbandry, Experiment Station

WILLIAMS, JOHN DAVIS, M. A.
Director, University School; Associate Professor of Education

WILLSON, LOUISE, M. A.
Third Grade, University School

WOFFORD, AZILE, M. S. in L. S.
Assistant Professor of Library Science

WOODS, RALPH HICKS, Ph. D.
Associate Professor of Agricultural Education; Director of Vocational Education in Kentucky

WRIGHT, ELIZABETH V., M. S.
Instructor in Bacteriology

YOUNG, DAVID M., M. S.
Assistant Professor of Geology; Curator of Museum

YOUNG, EARL ROBERT, M. S.
Instructor in Agricultural Engineering

YOUNG, GORDIE, M. A.
Visiting Lecturer in Education; Assistant Superintendent of Public Instruction for Kentucky

YOUNG, ROBERT BRUCE, B. A.
Graduate Assistant in Chemistry

YOUNG, RUTH THEOBALD, B. S. in L. S.
Visiting Instructor in Library Science

GENERAL INFORMATION

THE SUMMER SESSION

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

The Summer Session has experienced a phenomenal growth in the past few years. The total enrollment for the two terms in 1932 was 1942, while the total enrollment in 1939 was 3135, an increase of 61.4 per cent. The increase in graduate students between these dates was 133.3 per cent.

UNIVERSITY OF KENTUCKY FULLY ACCREDITED

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

THE BEAUTIES OF THE BLUE GRASS

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

Many of the vast horse farms, some individual establishments containing more than a thousand acres, are open to visitors throughout the year. These farms with their broad pastures, their sparkling streams, their woodlands of gigantic forest trees and their paved drives and roads provide Fayette County with a system of parks which

is decidedly unique. In this enjoyable touring region one finds vast tobacco farms, meadow lands, wooded foothills, and deep-running streams and rivers, which, for beauty, are unsurpassed. Throughout the region one comes upon dignified old mansions, lovely gardens, groves of forest trees and mile after mile of stone walls which make the country-side both restful and refreshing

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

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

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

SOCIAL LIFE IN THE SUMMER SCHOOL

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

The extra-curricular offerings in past summers have been greatly appreciated by the students and widely attended. The extra-curricular offerings in the 1940 Summer Session will include concerts, teas, dances, plays, tours, lectures, picnics, and convocations. For information on the extra-curricular program for 1940 see the calendar of social events on page 3 of this bulletin.

STUDENT UNION BUILDING

The Union Building is the center of University student activity.

The building provides a "game room" consisting of pool, billiards, and ping-pong tables; a "recreation room" for playing cards and informal dancing; a "music room" where one may hear the works of the great composers; and a "periodical room" with fine magazines. The advantages these various rooms offer may be enjoyed by the students during leisure hours.

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

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

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

PLACEMENT SERVICE

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

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

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

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

RECREATIONAL ACTIVITIES

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

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

For a schedule of the courses offered, see pages 55 and 79 of this bulletin.

THE UNIVERSITY SCHOOL AND DIRECTED TEACHING

The University School will be in session during the first summer term only. The term for the Junior and Senior High School will begin June 10 and close July 26. The term for the Elementary School will begin June 14 and close July 19. The Elementary School will be open from 8:30 to 12:00 daily, except Saturdays and Sundays.

Students desiring to register for Directed Teaching in junior or senior high school subjects should enroll with the Director of the University School, on or before June 10. Students taking Directed Teaching in the Elementary School should enroll with Mrs. May K. Duncan, Department of Elementary Education, on or before June 17. Application for these courses should be made in advance, since only a limited number of students can be accommodated. Students are urged to file their applications for these courses as early as possible, as time should be allowed the Dean's office to check the prerequisites of all applicants before registration.

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

The University School will provide instruction in all subjects

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

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

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

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

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

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

LENGTH OF SESSION

The Summer Session of the University of Kentucky for 1940 will be ten weeks in length, six days a week, and will be divided into two terms, the first to begin June 17 and close July 20 and the second to begin July 22 and close August 24.

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

COURSES

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

FOR WHOM PLANNED

The Summer Session program of the University of Kentucky has been planned to meet the needs of the following groups:

1. Teachers in the public schools who wish additional training in their special lines of work and who desire to work toward college degrees.

2. Teachers in private and parochial schools who wish additional training in their special lines of work and who desire to work toward college degrees.

3. Supervisors of grade school work in special subjects.

4. City superintendents who desire to acquaint themselves with recent progress in education and who have special problems for solution.

5. County superintendents who desire to study the problems of the organization and administration of rural education and problems relating to the social life of the community.

6. Teachers in junior colleges who desire additional training in the particular fields in which they work and who are working toward higher degrees.

7. Normal school and college teachers who desire additional training in their chosen fields and who are working toward advanced degrees.

8. Undergraduates in agriculture, arts and sciences, commerce, education, engineering, and law who find it desirable to shorten the period of their college courses.

9. Persons desiring training for social welfare service, including playground directors.

10. Music supervisors and prospective band directors.

11. Persons desiring special courses in library science.

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

13. Public health officers.

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

15. Athletic directors and coaches.

ADMISSION

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

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

To the Freshman Class. An applicant for admission to the freshman class of any of the colleges of the University, except the Colleges of Law and Education, must offer credit for fifteen units of high school or other secondary school work, so chosen as to include the five basic units prescribed by all the colleges. Only students who hold certifi-

cates of graduation from an accredited high school will be admitted without examination. No student will be admitted as a candidate for a degree with less than fifteen units.

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

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

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

a. At least junior standing.

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

To Advanced Standing. Candidates who can present equivalents of any part of the college work may secure advanced standing and thereby reduce the number of hours required for graduation. They may secure this advanced standing by one of two methods:

a. By examination on each subject for which credit is desired.

b. By transfer from an accredited college or university. An official statement must be submitted to the Registrar certifying in detail the work for which credit is desired.

As Special Students. A graduate of another university or college may enter the University to pursue any special work. Other persons may be admitted as special students under the following conditions:

a. They must be prepared to do the work desired, and give good reason for not taking a regular course.

b. They must be at least twenty-one years of age.

As Graduate Students. The Graduate School is open to students who are graduates of this or any other university or college of recognized standing. Applicants from institutions other than this University are required to file with the Registrar an official transcript showing (a) all undergraduate work covered, (b) graduate work taken, if any, and (c) degrees received.

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

For further information, see statement of the Graduate School.

By Certificate. Persons who desire to enter the University by certificate instead of by examination must have their credits certified by the superintendent or principal of the school in which they may

be secured. Blank forms for such certificates will be furnished by the Registrar of the University on application. These certificates should be properly made out, signed and mailed to the Registrar as early as possible and not later than one week before registration. Only graduates of accredited schools or those who have completed the accredited course will be admitted upon certificate. A diploma, such as is given at graduation to high school pupils, cannot be substituted for this certificate.

By Examination. If not a graduate of an accredited high school the student must pass the entrance examinations.

DESIGNATION OF COURSES

The courses in each department are numbered as in the University catalog, those primarily for undergraduates, from 1 to 99; those for both graduates and undergraduates, from 100 to 199; and those for graduates only, from 200 on.

STUDENT LOAD

The normal load for the average student is six semester hours for each term. Students presenting a standing of 2 (average of "B") or better will be allowed to carry seven semester hours either term, but no student will be allowed to earn more than thirteen hours during the two terms. In the College of Law the normal load is 4 semester hours each term.

No student will be allowed to carry more than the normal load without filing a petition for extra work with the dean of his college and having it approved by the committee on scholarship and attendance.

FEES

Tuition Fee. The tuition fee for each college, with the exception of the College of Law and the Department of Health, is $22.75 a term where a load of more than 3 hours is carried. Students registering for 3 hours or less will be charged $5 per credit-hour. In the College of Law the fee is $27.50 a term. In the Department of Health the fee per term for nurses is $22.75; for public health officers, $100, and for sanitary engineers, $50. The term for public health doctors and sanitary engineers is eight weeks in length.

REFUNDS

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

LATE REGISTRATION

No student will be allowed to register for credit for the first term's work after June 24 nor for the second term's work after July 25.

MARKING SYSTEM

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

A—Exceptionally high quality, valued at 3 points for each credit
B—Good, valued at 2 points for each credit.
C—Fair, valued at 1 point for each credit.
D—Unsatisfactory, indicates a deficiency and gives no points, but gives credit for graduation if with such credit the student's standing is 1 or more.
E—Failure, valued at 0 points and no credit.
I—Incomplete.
X—Absent from examination.
WP—Withdrew passing.
WF—Withdrew failing.

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

ROOM AND BOARD

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

Women's Residence Halls. Double rooms cost $11.75 a term for each person in Boyd and Patterson Halls and $13.50 for each person in Jewell Hall. Single rooms are $14 per term in Patterson Hall and $15 in Jewell Hall. Students registering for a short course (two and one-half weeks) will pay $7 for that period for each person in a double room. Bed linens are furnished but students should bring blankets,

towels, and dresser scarfs. Room assignments will be made in order of application. Reservations not claimed by seven o'clock on the evening of June 17 or July 22, the opening dates of the summer terms, will not be held unless arrangements have been made with the Director of the Residence Halls for Women. Women students must secure special permission from the Dean of Women to live in town.

Men's Residence Halls. Double rooms in the men's residence halls cost $10 a term for each occupant; single rooms on the top floors cost $10 a term; all other single rooms on the first three floors cost $12.50 a term; suites of two rooms each cost $12.50 a term for each occupant. Any double room or suite may be had by a single occupant for $15 and $18.75, respectively, a term. Students registering for short courses (two and one-half weeks) will be charged $6 to $7 each, depending on the room selected. Bed linen is included. Reservations not claimed by June 17 and July 22, the opening dates for the first and second terms, will not be held unless arrangements are made with the Dean of Men.

Meals. Meals will be served at the University cafeteria during the Summer Session. A cafeteria breakfast will be served in the women's residence halls at a very reasonable price.

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

University Health Service. The services of a physician and nurse will be available to the students registered in the Summer Session during both terms. Consultations may be held at the offices of the Department of Hygiene.

REQUIREMENTS FOR GRADUATION

RESIDENCE REQUIREMENTS FOR GRADUATION

Two semesters of work at the University of Kentucky will satisfy the residence requirements for the bachelor's or the master's degree. Three summer terms are considered equivalent to one semester. For the bachelor's degree thirty semester credits must be completed in the senior year with at least the last semester of the work done in the college from which the student is to be graduated. For the master's degree, at least twenty-four credits must be completed, in addition to the thesis.

GENERAL REQUIREMENTS FOR A DEGREE

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

1. Number of Credits.

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

2. Requirements for Graduation.

A. B. and B. S.	*127	Semester hours
B. S. in Agriculture	*139.3	Semester hours
B. S. in Home Economics	*134	Semester hours
A. B. or B. S. in Education	*127	Semester hours
B. S. in Commerce	*127	Semester hours
LL. B.	80	Semester hours (60 A.&S. credits required for admission).
B. S. in Engineering	*146	Semester hours

3. Classification as a Regular Student.

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

4. Financial Delinquents.

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

---

* With equal number of quality points.

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

5. Group Reqirements.

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

6. Residence Requirements.

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

7. Extension Work.

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

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

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

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

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

8. Application for a Degree.

All students in residence during the first term who are to be candidates for degrees at the August Commencement should make formal application in the Office of the Registrar on Thursday, June 27. All applications for degrees to be granted at the August Commencement must be filed not later than Friday, July 26. No applications for graduation in August will be received after this date. The student is responsible for making application for the correct degree. That is, if a student is working for the degree, Bachelor of Arts in Education, he should apply for this degree and not make application for the degree, Bachelor of Arts granted in the College of Arts and Sciences. If, for any reason, a student does not receive the degree at the time indicated on the application, it will be necessary for him to file another application, as the University is not responsible for carrying over applications from one session to another.

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

COLLEGE OF ARTS AND SCIENCES

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

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

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

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

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

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

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

The Degree of Bachelor of Arts. For the degree of Bachelor of Arts the student is required to gain a total of 127 credits and 127 points; that is, a standing of 1, subject to the following conditions:

Outline of Requirements for Graduation—Lower Division

GENERAL REQUIREMENTS

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

GROUP REQUIREMENTS. Freshman and Sophomore years.

1. Foreign Languages, 6 to 18 credits. (6 in 1 language if 3 or more units entrance; 12 if only 2 units entrance; 18 if only 1 or no unit entrance.)
   French, German, Greek, Italian, Latin, or Spanish.
2. Social Studies, 6 to 12 credits. (6 in one department if 1 unit entrance in history; 12 including 6 credits in history, if no entrance in history.)
   Economics, History, Political Science, or Sociology.
3. Mathematics, Philosophy, or Psychology, 6 credits in one department.
4. Physical Science, 6 to 10 credits in one department.
   Astronomy, Chemistry, Geology or Physics.
5. Biological Science, 6 to 8 credits in one department.
   Bacteriology, Botany, Physiology, or Zoology.

---

*12, if only 3 units entrance.

Upper Division—Junior and Senior Years

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

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

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

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

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

COLLEGE OF AGRICULTURE

AGRICULTURE

To receive the degree of Bachelor of Science in Agriculture a student must complete 139.3 credits of work with a standing of 1.

These credits are classified as follows:

Prescribed subjects, non-agriculture	47.0 credits
Prescribed subjects, agriculture	33.3 credits
Electives required in agriculture	29.0 credits
Free electives	30.0 credits
Total	139.3 credits

Students who have not had physics in high school will be required to take a six-credit course in college which will reduce the number of free elective credits to 24. The free electives may be in agriculture or in any department in the University, thus giving the student ample opportunity to become acquainted with many fields of knowledge.

Prior to the senior year all candidates for the degree in agriculture must satisfy the Dean that they have had the equivalent of six months of farm experience.

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

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

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

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

Home Economics

To receive the degree of Bachelor of Science in Home Economics a student must complete 134 credits of work with a standing of 1.

These credits are classified as follows:

Prescribed non-home economics	58.8 credits
Prescribed home economics	45.0 credits
Assemblies	1.2 credits
Electives required in home economics	4.0 credits
Free electives	25.0 credits
Total	134.0 credits

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

COLLEGE OF ENGINEERING

Admission. For admission to the freshman class in the College of Engineering, applicants should present one and one-half units in Algebra, and one-half unit in Solid Geometry, other requirements being the same as specified for admission to the freshman class in general. Applicants meeting all of the general requirements, but deficient in Algebra or Solid Geometry, will be admitted to the fresh-

man class, but will be required to take extra courses designed to remove the deficiencies. It is desirable, but not obligatory, that applicants also have high school credit in Chemistry, Physics, and Trigonometry.

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

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

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

COLLEGE OF LAW

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

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

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

COLLEGE OF EDUCATION

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

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

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

For a degree in education the student is required to present a total of 127 credits with a standing of 1.

The Degree of Bachelor of Arts in Education. The following is an outline of requirements for the degree of Bachelor of Arts in Education with a major in secondary education:

1. GENERAL REQUIREMENTS

English	12 credits
Science	12 credits
Social Science	12 credits
Mathematics	6 credits
or	
Foreign Language*	6–12 credits
Psychology	6 credits
Hygiene for Teachers	2 credits
Physical Education	1.4 credits
Military Science (Men)	5.6 credits
Total	57 to 63 credits

2. TEACHING MAJORS

Two Teaching Majors	24–48 credits each
or	
One Teaching Major	24–48 credits
Two Teaching Minors	18–21 credits each

3. PROFESSIONAL MAJOR

Introduction to Education	3 credits
Fundamentals of Secondary Education	3 credits
Tests and Measurements	3 credits
School Organization	3 credits
Directed Teaching	6 credits
Total	18 credits

4. FREE ELECTIVES ..... 12 to 28 credits

5. TOTAL CREDITS REQUIRED 127

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

SUGGESTED FOUR-YEAR CURRICULUM FOR ELEMENTARY TEACHERS

FRESHMAN YEAR**

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

SOPHOMORE YEAR**

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

JUNIOR YEAR

First Semester	Crs.	Second Semester	Crs.
Ed. 44—Fund. of Elem. Ed.	5	Soc. 2—Modern Soc. Problems	3
Ed. 42—Teaching Arithmetic	3	Ed. 172—Teaching Reading	3
Econ. 15—Applied Economics	3	Ed. 20—Industrial Arts	2
H. E. 16—Elem. Nutrition	3	Ed. 173—Children's Lit.	3
Hist. 40—History of Kentucky	2	Zoology 108b—Heredity	2
		Elective	3
	16		16

SENIOR YEAR

First Semester	Crs.	Second Semester	Crs.
Ed. 196—Teaching Science	3	*Ed. 133—Directed Teaching (either semester)	10
*Ed. 133—Directed Teaching in Elem. Grades (either semester)	10	Ed. 118—Tests and Measurements for Elementary Teachers	3
Electives		Electives	
	13		13

* The student may take only 6 credits in addition to Ed. 133, and these classes must come either at the first hour or late afternoon. Students having 3 credits in practice teaching take Ed. C133, 6 credits.

Kindergarten majors omit Ed. 196 and take the following courses:
Ed. 174—Pre-School Theory and Management (junior year).
Ed. 176—Pre-School Organization and Teaching (junior year).
Kindergarten majors may substitute a music elective course for Music 4b.

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

COLLEGE OF COMMERCE

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

THE GRADUATE SCHOOL

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

Admission to the Graduate School. (See general admission requirements, page 27.) College graduates who desire to confine their work to undergraduate courses and who do not expect to become candidates for higher degrees should not register in the Graduate School, but with the Dean of the College in which their courses are listed.

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

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

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

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

General Requirements for a Master's Degree. All candidates for any master's degree must have completed the equivalent of a B.A. or

B.S. degree in a fully accredited institution. Part-time residence either during a regular semester or in the Summer Session is computed on the basis of one and one-half weeks of residence for each credit earned, but the amount of residence for part-time work is limited, except for graduate assistants and part-time instructors, to not more than six weeks in any one semester or Summer Session. No credit for advanced degrees is allowed for correspondence or extension work and no transferred credits are accepted toward a master's degree.

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

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

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

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

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

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

SCHEDULE OF LECTURES AND RECITATIONS

EXPLANATIONS AND ABBREVIATIONS

Colleges are arranged according to the order of their establishment and the departments of each College are arranged alphabetically.

Days of recitations are indicated by the initial letters of the days, D standing for daily. The buildings are indicated as follows: A, Administration; AC, Art Center; AE, Agricultural Engineering; Agr., Agriculture; AG, Alumni Gymnasium; Arm., Armory; B, Basement (F. H.); B. H. Boyd Hall; BS, Biological Science; D, Dairy; E, College of Education and Associated Schools; Eng., Engineering; ES, Experiment Station; FEL, Farm Engineering Laboratory; FH, Frazee Hall; GA, Gym Annex; HB, Health Building; KH, Kastle Hall; McVH, McVey Hall; M, Mining, Mem. Memorial Hall; ML Mining Laboratory; Mus., Museum; NH, Neville Hall; NS, New Shop; Pence, Pence Hall; PH, Patterson Hall; RL, Research Laboratory; S, Science; S. Eng., South Engineering; SF, Stoll Field; SL, Serum Laboratory; SP, Stock Judging Pavilion; UL, University Library; WG, Women's Gymnasium; WH, White Hall.

RECITATION HOUR

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

Noon Hour

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

Only courses marked with an asterisk are open to freshmen.

Only courses with numbers below 100 are open to sophomores.

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

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

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

FIRST TERM

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

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

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

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

1a	General Physiology	3	2	D	BS	306	Allen
	The following courses not open to freshmen and sophomores:						
106	Introduction to Endocrinology (Designed for Teachers.)	3	3	D	BS	306	Allen
C109	Application of Physical Principles to the Human Body	2	11:15–12:05	D	BS	306	Allen
	The following course is open to graduate students only:						
201a	Research in Physiology	5	By Appt.	D	BS	304a	Allen
	ANCIENT LANGUAGES						

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

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

*1, *2, *3, *4, *5, *6	Beginning Latin, Caesar, Cicero, Virgil, Livy, Horace	3	1	D	A	303	Jones
	The following courses not open to freshmen and sophomores:						
109a, b	Latin Literature (Selections)	3	1	D	A	303	Jones
120	Survey of Greek Civilization (in English)	3	3	D	A	303	Jones
150a	Teacher's Course in Latin (based on first year's work)	3	3	D	A	303	Jones
	ANTHROPOLOGY AND ARCHAEOLOGY						
	The following course not open to freshmen and sophomores:						
106	Ethnology of Europe	2	3	D	McVH	111	Funkhouser
	ART						

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

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ART—Continued						

Requirements in Field of Concentration. Forty credits of advanced work, including Art in the field of Literature, Philosophy, and the Arts. Majors in Art are expected to acquire a reading knowledge of French or German.

*61a, b	Drawing	3	5, 6, 7	D	AC	19	Rannells
63a, b	Intermediate Drawing	3	5, 6, 7	D	AC	19	Rannells
65a, b	Painting	3	5, 6, 7	D	AC	19	Rannells

(Note.—Three-credit courses in Drawing and Painting will require 24 hours of studio work per week for the summer term of five weeks; they may also be scheduled as two-credit courses requiring 16 hours per week.)

47	Art in America	3	1	D	AC	18	Rannells
*30a	Introduction to Art	2	3	D	AC	18	Rannells
	BACTERIOLOGY						

Requirements for a Major. Prerequisites: Chemistry 1a, b; Bacteriology 2b, 52 or 102. **Required:** Two credits in Seminar, plus an additional 13 credit-hours of advanced work in Bacteriology, including Bacteriology 125.

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

Medical Technology Course. A four-year course leading to the degree of B. S. in Medical Technology is offered which is designed to prepare men and women for positions in hospital laboratories, physicians' and surgeons' clinics, and federal, state and municipal laboratories and to fit the especially adapted student for either commercial or research laboratory work in Bacteriology. It also meets all the requirements of the United States Civil Service Commission for the rank of Junior Bacteriologist (30 credits in Bacteriology).

The University of Kentucky is registered as an approved school for laboratory technicians by the Board of Registry of the American Society of Clinical Pathologists, and by the Council on Education of the American Medical Association. Graduates of this course who may desire to enter medical school will have all the requirements of the American Medical Association and the Association of American Medical Colleges for entrance to all Class A medical schools, provided they take two years of foreign language.

56_1	Bacteriology of Foods, Lec.	4	3	D	KH	B14	Weaver
56_2	Bacteriology of Foods, Lab.		4	D	BS	207	Weaver
	The following courses not open to freshmen and sophomores:						
102_1	General Bacteriology, Lec.	4	7:00–7:50	D	McVH	111	Scherago
102_2	General Bacteriology, Lab.		7:50–9:40	D	BS	210	Weaver
102_3	General Bacteriology, Lab.		1:30–3:20	D	BS	210	Wright
103_1	Pathogenic Bacteriology, Lec.	4	2	D	KH	B13	Scherago
103_2	Pathogenic Bacteriology, Lab.		3	D	BS	206	Wright
104	Applied Bacteriology, Lab.	2	By Appt.	D	BS	206	Scherago
110a	Laboratory Diagnosis	3	By Appt.	D	BS	206	Wright
	The following courses open to graduate students only:						
201a	Research in Bacteriology	5	By Appt.	D	BS		Scherago and Weaver

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	BACTERIOLOGY—Cont.						
$203a_1$	Public Health Bact., Lec.	3	By Appt.	D	KH	B13	Scherago
$203a_2$	Public Health Bact., Lab.		By Appt.	D	BS	206	Scherago
206_1	Bacteriology of Foods, Lec.	4	By Appt.	D	KH	B14	Weaver
206_2	Bacteriology of Foods, Lab.		By Appt.	D	BS	207	Weaver
	BOTANY						

Requirements for a Major. Prerequisites: Junior standing; Botany 1a, b. **Required:** Botany 6, 15, 19, 103, 125a, 125b; a minimum of 20 credits of advanced work in Botany.

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

*1a	General Botany (Lec. and Lab.)	4	1, 2	D	M	203	McInteer
19	Dendrology (Tree Study)	2	3	D	M	202	McFarland
	The following courses not open to lower division students:						
114	Ecology (Lec. and Lab.)	3	3	D	M	203	McInteer
125	Morphology of Fungi (Lec. and Lab.)	4	1, 2	D	M	205	McFarland
	CHEMISTRY						

Requirements for a Major. Prerequisites: Junior standing; Chemistry 1a, 1b, 4, 8. **Required:** Chemistry 103 or 109 or 130a, b; 127a, b; and 101 or 131a, b.

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

Note.—For outline of course leading to degree of "B. S. in Industrial Chemistry" consult University catalog.

*1a	General Inorganic Chemistry	5	1, 2, 3	D	KH KH KH	101 201 209	Mitchell
4	Qualitative Analysis (Prereq., Chemistry 1b.)	4	1, 2, 3	D	KH KH	111 B1	Stewart
6	Qualitative Analysis for Mining and Met. Engr. (Prereq., 1b or 2b.)	4	1, 2, 3	D	KH KH	111 B1	Stewart
7	Organic Chemistry (Prereq., Chemistry 1b.)	4	1, 2	D	KH KH	214 215	Barkenbus
	The following courses not open to freshmen and sophomores:						
103	Qualitative Organic Analysis (Prereq., Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus
106	Advanced Organic Chemistry (Prereq., Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus
107	Selected Prob. in Quant. Anal. (Prereq., Chemistry 109.)	5	By Appt.	D	KH	113	Stewart
151	Chemistry of the Vitamins (Eight weeks)	1	10:00–11:00 3 times	weekly	KH	214	Barkenbus

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ART—Continued						

Requirements in Field of Concentration. Forty credits of advanced work, including Art in the field of Literature, Philosophy, and the Arts. Majors in Art are expected to acquire a reading knowledge of French or German.

*61a, b	Drawing	3	5, 6, 7	D	AC	19	Rannells
63a, b	Intermediate Drawing	3	5, 6, 7	D	AC	19	Rannells
65a, b	Painting	3	5, 6, 7	D	AC	19	Rannells

(Note.—Three-credit courses in Drawing and Painting will require 24 hours of studio work per week for the summer term of five weeks; they may also be scheduled as two-credit courses requiring 16 hours per week.)

47	Art in America	3	1	D	AC	18	Rannells
*30a	Introduction to Art	2	3	D	AC	18	Rannells
	BACTERIOLOGY						

Requirements for a Major. Prerequisites: Chemistry 1a, b; Bacteriology 2b, 52 or 102. **Required:** Two credits in Seminar, plus an additional 13 credit-hours of advanced work in Bacteriology, including Bacteriology 125.

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

Medical Technology Course. A four-year course leading to the degree of B. S. in Medical Technology is offered which is designed to prepare men and women for positions in hospital laboratories, physicians' and surgeons' clinics, and federal, state and municipal laboratories and to fit the especially adapted student for either commercial or research laboratory work in Bacteriology. It also meets all the requirements of the United States Civil Service Commission for the rank of Junior Bacteriologist (30 credits in Bacteriology).

The University of Kentucky is registered as an approved school for laboratory technicians by the Board of Registry of the American Society of Clinical Pathologists, and by the Council on Education of the American Medical Association. Graduates of this course who may desire to enter medical school will have all the requirements of the American Medical Association and the Association of American Medical Colleges for entrance to all Class A medical schools, provided they take two years of foreign language.

56_1	Bacteriology of Foods, Lec.	4	3	D	KH	B14	Weaver
56_2	Bacteriology of Foods, Lab.		4	D	BS	207	Weaver
	The following courses not open to freshmen and sophomores:						
102_1	General Bacteriology, Lec.		7:00–7:50	D	McVH	111	Scherago
102_2	General Bacteriology, Lab.	4	7:50–9:40	D	BS	210	Weaver
102_3	General Bacteriology, Lab.		1:30–3:20	D	BS	210	Wright
103_1	Pathogenic Bacteriology, Lec.	4	2	D	KH	B13	Scherago
103_2	Pathogenic Bacteriology, Lab.		3	D	BS	206	Wright
104	Applied Bacteriology, Lab.	2	By Appt.	D	BS	206	Scherago
110a	Laboratory Diagnosis	3	By Appt.	D	BS	206	Wright
	The following courses open to graduate students only:						
201a	Research in Bacteriology	5	By Appt.	D	BS		Scherago and Weaver

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	BACTERIOLOGY—Cont.						
203a$_1$	Public Health Bact., Lec.	3	By Appt.	D	KH	B13	Scherago
203a$_2$	Public Health Bact., Lab.		By Appt.	D	BS	206	Scherago
206$_1$	Bacteriology of Foods, Lec.	4	By Appt.	D	KH	B14	Weaver
206$_2$	Bacteriology of Foods, Lab.		By Appt.	D	BS	207	Weaver
	BOTANY						

Requirements for a Major. Prerequisites: Junior standing; Botany 1a, b. **Required:** Botany 6, 15, 19, 103, 125a, 125b; a minimum of 20 credits of advanced work in Botany.

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

*1a	General Botany (Lec. and Lab.)	4	1, 2	D	M	203	McInteer
19	Dendrology (Tree Study)	2	3	D	M	202	McFarland
	The following courses not open to lower division students:						
114	Ecology (Lec. and Lab.)	3	3	D	M	203	McInteer
125	Morphology of Fungi (Lec. and Lab.)	4	1, 2	D	M	205	McFarland
	CHEMISTRY						

Requirements for a Major. Prerequisites: Junior standing; Chemistry 1a, 1b, 4, 8. **Required:** Chemistry 103 or 109 or 130a, b; 127a, b; and 101 or 131a, b.

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

Note.—For outline of course leading to degree of "B. S. in Industrial Chemistry" consult University catalog.

*1a	General Inorganic Chemistry	5	1, 2, 3	D	KH KH KH	101 201 209	Mitchell
4	Qualitative Analysis (Prereq., Chemistry 1b.)	4	1, 2, 3	D	KH KH	111 B1	Stewart
6	Qualitative Analysis for Mining and Met. Engr. (Prereq., 1b or 2b.)	4	1, 2, 3	D	KH KH	111 B1	Stewart
7	Organic Chemistry (Prereq., Chemistry 1b.)	4	1, 2	D	KH KH	214 215	Barkenbus
	The following courses not open to freshmen and sophomores:						
103	Qualitative Organic Analysis (Prereq., Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus
106	Advanced Organic Chemistry (Prereq., Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus
107	Selected Prob. in Quant. Anal. (Prereq., Chemistry 109.)	5	By Appt.	D	KH	113	Stewart
151	Chemistry of the Vitamins (Eight weeks)	1	10:00–11:00	3 times weekly	KH	214	Barkenbus

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	CHEMISTRY—Continued						
	The following courses open to graduate students only:						
202	Quant. Analysis	5	By Appt.	D	KH	113	Stewart
204a	Organic Chemistry (Prereq., Chem. 103 or 106.)	5	By Appt.	D	KH	215	Barkenbus
204b	Organic Chemistry (Prereq., Chemistry 204a.)	5	By Appt.	D	KH	215	Barkenbus
	ECONOMICS						

Requirements for a Major. Prerequisites: Junior standing; six credits in Economics including Course 1. **Required:** A minimum of 17 credits of advanced work in Economics including Course 9, if not taken as a prerequisite, and Courses 102 or 130, 104 or 124 and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics courses numbered above 100. In addition, Tutorial Courses 16a and b must be taken in the senior year to prepare for the required comprehensive examination.

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

*2	Economic History of Europe	3	2	D	WH	303	Bekker
*8	Economic Geography	3	3	D	WH	303	Jennings
1	Principles of Economics	3	4	D	WH	303	Carter
7a	Principles of Accounting, Rec.	4	1	D	WH	306	Beals
	Principles of Accounting, Lab.		By	Appt.			Beals
	The following courses not open to lower division students:						
102	Labor Problems (Prereq., Com. 1.)	3	3	D	WH	103	Carter
105	Money and Banking (Prereq., Com. 1.)	3	2	D	WH	103	Carpenter
107	Statistical Method	3	6	D	WH	401	Palmer
144	Property and Casualty Insurance	3	3	D	WH	101	Carpenter
	The following courses open only to graduate students:						
203	History of Econ. Thought	3	4	D	WH	205	Wiest
207	Literature of Public Finance (Theory)	3	6	D	WH	205	Martin
	ENGLISH						

Requirements for a Major. Prerequisites: Junior standing; English 1a, 1b; 3a, 3b. **Required:** A minimum of 18 credits of advanced work in English.

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

*1a	English Composition	3	1	D	McVH	210	Nuckols
*1b	English Composition	3	2	D	McVH	210	Nuckols
3a	History of English Literature	3	3	D	McVH	210	Ward
7a	Elements of Public Speaking	3	1	D	McVH	231	Sutherland

*** Open to freshmen.**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ENGLISH—Continued						
20	Speech Training	3	2	D	McVH	231	Sutherland
$C30_1$	Business English	3	1	D	McVH	207	Cutler
$C30_2$	Business English	3	2	D	McVH	207	Cutler
*C34a	Dramatic Production	3	1	D	Guignol		Geiger
	The following courses not open to freshmen and sophomores:						
110b	Shakespeare—Tragedy	3	2	D	McVH	230	Farquhar
111b	The Novel after Scott	3	3	D	McVH	200	Knight
125	Pronunciation of Modern English	3	2	D	McVH	211	Dantzler
123b	American Literature after 1860	3	2	D	McVH	200	Knight
	The following course open to graduate students only:						
214a-d	Seminar (Victorian Literature)	3	4	D	McVH	230	Farquhar
	GEOLOGY						

Requirements for a Major. Prerequisites: Junior standing; Geology 22a, b. **Required:** Geology 9a, b; 26a, b; 101a, b; 104a, b; 106a, b; 118a, or b; 123a, b; 124a, b; a comprehensive examination in the senior year.

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

*24a	Elements of Geography	3	4	D	S	203	Nelson
*24b	Elements of Geography	3	3	D	S	203	Nelson
*14a	Elementary Field Geology	1	1–5 p. m.	W	S	203	McFarlan
*14c	Elementary Field Geology	1	1–5 p. m.	Th	S	203	Young
23a, b	Elementary Field Work in Regional Geology (will meet with 118a-d) (Prereq., 1 year of Geology)	2	(June 2–June 23)				McFarlan and Young
	The following courses not open to freshmen and sophomores:						
120a	Geology of Kentucky (No Prereq.)	3	2	D	S	203	McFarlan
118a-d	Field Work in Regional Geology (Rocky Mountains of Colorado and Wyoming)	2	(June 2–June 23)				McFarlan and Young
	GERMAN LANGUAGE AND LITERATURE						

Requirements for a Major. Prerequisites: Junior standing; German 1a, b, 2a, b; **Required:** German 3a, b; 101a, b; 102a, b; 120a, b; 130a, b.

Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work. Major students are required to enroll in tutorial courses during the junior and senior years and to pass a final comprehensive examination.

Note.—No credit for German 1a until 1b has been passed.

*1a	Elementary German	3	2	D	A	204	Bigge
*1b	Elementary German	3	2	D	A	204	Bigge

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	GERMAN LANGUAGE AND LITERATURE—Continued						
2a	Intermediate German	3	3	D	A	204	Bigge
2b	Intermediate German	3	3	D	A	204	Bigge
3a	Selected Readings	3	By Appt.	D	A	204	Bigge
6a	Scientific German	3	By Appt.	D	A	204	Bigge
	The following courses not open to freshmen and sophomores:						
102a	Twentieth Century Literature	3	By Appt.	D	A	204	Bigge
105a-d	Independent Work in German	3	By Appt.	D	A	204	Bigge
	HISTORY						

Requirements for a Major. Prerequisites: History 2a, 2b, or 4a, 4b, or 5a and 5b. **Required:** A minimum of 20 credits of advanced courses in History. Should include the Senior Seminar.

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

*4a	Modern Europe to the French Revolution	3	1	D	FH	202	Lunde
*4b	Modern Europe since the French Revolution	3	2	D	FH	202	Lunde
	The following courses not open to freshmen and sophomores:						
127a	American Political Biography	2	4	D	FH	304	Knapp
C176	The Third French Republic	2	2	D	FH	204	Dupre
C177	Germany since 1870	2	1	D	FH	204	Dupre
	The following courses open only to graduate students:						
300a	Seminar in American Diplomacy	3	4	D	FH	204	Dupre
365	American Civil War	3	3	D	FH	301	Knapp
	HYGIENE AND PUBLIC HEALTH						

Requirements for a Major. Prerequisites: Junior standing; 12 credits in Biological Sciences. **Required:** Bacteriology 103; a minimum of 15 credits of advanced work in Hygiene and Public Health.

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

*9	Hygiene for Teachers	2	2	D	HB	205a	Heinz
	The following courses not open to lower division students:						
C100a	Public Health	2	3	D	HB	205a	Chambers, Heinz
C100b	Public Health	2	3	D	McVH	207	Heinz
104	Maternal and Child Health	2	4	D	HB	205	Griffin
C110	Health Education and Health Supervision of Schools	2	4	D	HB	205a	Heinz
120a, b	Mental Hygiene	3	3	D	NH	112	Ratliff

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	HYGIENE AND PUBLIC HEALTH—Continued						
124a	Public Health Nursing	3	4	D	HB	205	Nichols
124b	Public Health Nursing	3	2	D	HB	205	Nichols
125a	County Health Practice for Nurses	2	1	D	HB	205	Gambill
125b-e	County Health Practice for Nurses	3	By	Appt.	HB	205	Staff
	The following courses are open only to Health Officers:						
	Eight-Weeks Term (June 17 to August 10)						
200	Epidemiology	3	2–4	MTWTh	HB	102	Chambers
204	Maternal and Child Health	2	8–10	MWF	HB	205	Griffin
212a	Public Health Administration	3	10–12	MTThF	HB	102	Mustard
218a	Vital Statistics	3	8–10	MWFS	HB	102	Fertig
218b	Vital Statistics	2	8–10	TTh	HB	102	Fertig
220	Mental Hygiene	2	10–12	MWF	HB	200	Rogers
225a	County Health Practice for Health Officers	3	By	Appt.	HB	103	Cawood
225b	County Health Practice for Health Officers	2	By	Appt.	HB	103	Cawood
290	Seminar	1	2–4	F	HB	102	Staff
	JOURNALISM						

Requirements for a Major. Prerequisites: Journalism 2a, b, and 20a, b. **Required:** Journalism 104a, b; 105, 106, 107, 108, 123, 127, and 90a, b.

Requirements in Field of Concentration for Majors. Forty credits 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.

The Degree of A. B. in Journalism. Three 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 the senior year.

21	Etymology	3	2	D	McVH	54	Plummer
	The following courses not open to lower division students:						
102	Community Journalism	3	3	D	McVH	53	Portmann
110	Supervision of High School Publications	3	4	D	McVH	54	Portmann
125	Magazine Article Writing	3	1	D	McVH	54	Plummer
	LIBRARY SCIENCE						

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

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	LIBRARY SCIENCE—Cont.						

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

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

	The following **general course** not open to lower division students: (Designed for the teacher or teacher-librarian. Acceptable to State Department of Education on the 6-hour requirement for teacher librarians.)						
C105	Reading Guidance	3	3	D	UL	314	Ethell
	The following **professional courses** open to senior and graduate students:						
126	Place, Function, Administration of High School Library	3	2	D	UL	411	Wofford
129a	Classification and Cataloging	3	5	D	UL	314	Young
129b	Classification and Cataloging (Prereq., 129a.)	2	4	D	UL	314	Young
133a	Reference and Bibliography	3	4	D	UL	411	Smith
138	Methods of Teaching Use of the Library (Prereq., 133a.)	2	1	D	UL	314	Smith
144	Library Records and Methods (Prereq., 126 advisable.)	2	2	D	UL	314	Ethell
150b	Book Selection (Adolescent Literature) (Prereq., 150a advisable.)	2	3	D	UL	411	Wofford
	MATHEMATICS AND ASTRONOMY						

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

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

*17	College Algebra	3	3	D	McVH	104	Downing
*19	Plane Analytic Geometry	3	1	D	McVH	104	John
20a	Diff. Calculus	4	7:25–9:05	D	McVH	109	Boyd

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	MATH. AND ASTRON.—Cont.						
	The following courses not open to lower division students:						
116	Analytical Mechanics	3	4	D	McVH	104	Downing
C123	Curve Tracing	2	9:50–10:40	D	McVH	109	Boyd
	The following course open only to graduate students:						
208	Theory of Functions of a Real Variable	3	2	D	McVH	104	John
	MUSIC						

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

Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work. All candidates for the B. S. in Music degree are to be required to take part in either orchestra or glee club, or both, for the four years without credit. This also applies to music majors from other colleges.

Note. For the degree of Bachelor of Science in Music, see catalog. Not more than 18 credits in Applied Music may be offered to count toward the A. B. or B. S. degrees in other colleges.

*9a	Organization and Training of Musical Groups (Strings)	2	1	D	AC	17	Lampert
*9b	Organization and Training of Musical Groups (Brass)	2	3	D	AC	6	Magurean
*9c	Organization and Training of Musical Groups (Woodwinds)	2	4	D	AC	17	Magurean
*C16a, b	Applied Music—Strings†	2	By	Appt.	AC	9	Lampert
*C17a, b	Applied Music—Voice†	2	By	Appt.	AC	1	Ogle
*C31a, b	Applied Music—Woodwinds†	2	By	Appt.	AC	6	Magurean
*C32a, b	Applied Music—Brass†	2	By	Appt.	AC	6	Magurean
*33a	Elementary Harmony and Sight Reading	5	1, 2	D	AC	8	Allton
*39a, b	Glee Club—Mixed Chorus (Admittance by permission of Prof. Lampert. No credit allowed Music Majors)	1	5	D	AC	8	Lampert
$4a_1$	Public School Music	2	1	D	AC	24	Mason
$4a_2$	Public School Music (Music Majors only)	2	2	D	AC	24	Mason
$4b_2$	Public School Music (Music Majors only)	2	4	D	AC	24	Mason

* Open to freshmen.

† Tuition for Applied Music, $24.00 for two credits; Organ Practice fee, $7.50; others, $2.50.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	MUSIC—Continued						
12a	Counterpoint	2	6	D	AC	8	Allton
13a	Form and Analysis (Prereq., Music 33a, b.)	2	6	D	AC	9	Lampert
19a	History of Music (Music Majors only)	3	2	D	AC	17	Lampert
C16c-h	Applied Music—Strings†	2	By	Appt.	AC	9	Lampert
C17a-h	Applied Music—Voice†	2	By	Appt.	AC	1	Ogle
C31a-h	Applied Music—Woodwinds†	2	By	Appt.	AC	6	Magurean
C32a-h	Applied Music—Brass†	2	By	Appt.	AC	6	Magurean
26	High School Methods	2	3	D	AC	24	Mason
28a	Concert Band	1	4 p. m.	D	AC	8	Magurean
29a	Concert Band	1	4 p. m.	D	AC	8	Magurean
34a	Advanced Harmony, Dictation and Ear Training (Prereq., Music 33a, b.)	5	3, 4	D	AC	8	Allton
	The following course not open to lower division students:						
114a	Orchestration and Conducting	2	3	D	AC	17	Lampert
	The following courses open only to graduate students:						
204	Advanced Band Technique	2	2	D	AC	6	Magurean
C216a-d	Applied Music—Strings	2	By	Appt.	AC	9	Lampert
C217a-d	Applied Music—Voice	2	By	Appt.	AC	1	Ogle
228a-d	Concert Band	1	4 p. m.	D	AC	8	Magurean

Note.—For courses in Music Education, see College of Education schedule.

PHILOSOPHY

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

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

51	Ethics	3	2	D	FH	205	Kuiper
	The following courses not open to lower division students:						
106	Representative Modern Philosophers	3	4	D	FH	205	Kuiper
109a-d	Independent Work	3	By	Appt.	FH	103	Kuiper

PHYSICAL EDUCATION

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

† Tuition for Applied Music, $24.00 for two credits; Organ Practice fee, $7.50; others, $2.50.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	PHYSICAL EDUCA.—Cont.						

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

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

14	Elementary Plays and Games	2	4	D	WG		Warren
	The following courses not open to lower division students:						
112	Programs and Materials of Physical Education for Girls and Women	3	3	D	FH	201	Warren
120	Physical Diagnosis and Medical Gymnastics	3	4	D	FH	201	Karsner
124	History and Philosophy of P. E.	2	4	D	FH	106	Campbell
148	Organization and Administration of Athletics	3	1	D	FH	201	Karsner
150	Organization and Supervision of Intramural Athletics	2	2	D	FH	201	Campbell
	The following courses open only to graduate students:						
C201	Research in Physical Education	3	1	D	FH	105	Potter
C202	Problems Course in Contemporary Movements in Physical Education	3	2	D	FH	105	Potter

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

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

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	PHYSICS						

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

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

*1a$_1$	General Elem. Physics, Lec.	5	3	D	PENCE	201	Koppius
*1a$_2$	General Elem. Physics, Rec.		2	TThS	PENCE	309	Warburton
*1a$_{21}$	General Elem. Physics, Lab.		2, 3	MWF	PENCE	305	Koppius
2a$_1$	General College Physics, Rec.	5	4	D	PENCE	206	Warburton
2a$_{11}$	General College Physics, Lab.		1, 2	MTW ThF	PENCE	105	Assistant
*51a	Introduction to Physics	3	3	D	PENCE	201	Koppius

Advanced courses in Physics will be offered, if demand for them arises. For a description of such courses consult the Graduate Bulletin.

	The following course open to graduate students in Education only:						
Educa. 244†	Problems in the Teaching of Physics	3	2	TWThF	PENCE	201	Koppius
	POLITICAL SCIENCE						

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

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

*15	Problems of Citizenship	3	1	D	A	203	Blanding
	The following courses not open to lower division students:						
155b	Comparative Government. Contemporary Dictatorships	3	3	D	A	302	Trimble
177a	Principles of Public Administration	3	2	D	A	203	Manning
190	Seminar	3	By	Appt.	A	203	Staff
	The following courses open only to graduate students:						
206	Special Problems in Public Administration	3	3	D	A	203	Manning
C206	Special Problems in Public Administration	2	3	D	A	203	Manning
213	Federal Centralization	3	4	D	A	302	Trimble

* Open to freshmen.
† Attendance in lectures of Physics 51a required.

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

Requirements for a Major. Prerequisites: Junior standing; Psychology 1, 2a and 2b, 10, or their equivalents. **Required:** The student may choose as his field of concentration either the Biological or the Social Science group of subjects. In either case, 15 of the 40 credits in the field must be in courses in Psychology not open to freshmen.

*1_1	Elementary Psychology	3	3	D	NH	306	Newbury
*1_2	Elementary Psychology (Nurses Only)	3	2	D	NH	112	Ratliff
*3	Individual Development	3	2	D	NH	205	Newbury
7	Psychology of the Child	3	3	D	NH	304	Asher
	The following courses not open to freshmen and sophomores:						
104	Social Psychology	3	1	D	NH	112	Dimmick
121	Student Personnel	3	1	D	NH	304	Croft
123	Practice in Testing	3	3	D	NH	205	Dimmick
124	Mental Hygiene	3	3	D	NH	112	Ratliff
125	Experimental Child Psychology	3	2	D	NH	118	Asher
120a-d	Independent Work in Psychology	2	By	Appt.	NH	117	Staff
	The following courses open only to graduate students:						
203a-d	Problems in Psychology	2	By	Appt.	NH	117	Staff
210a-d	Research in Psychology	3	By	Appt.	NH	117	Staff
	ROMANCE LANGUAGES						

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 5a, b; 7a, b; 9a, b; 10a, b; 1a, b or 4a, b. **Required:** A minimum of 17 credits of advanced work in Romance Languages; Romance Language 80a, b. A comprehensive examination in the senior year.

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

Note. No credit will be allowed for duplicating work done in high school. If one unit is offered, take 1b or 5b, etc. No credit for 1a or 5a until 1b or 5b is passed.

*1a	†Elementary French	3	3	D	S	307	Schick
*1b	†Elementary French (Cont.)	3	1	D	S	307	Schick
2a	Intermediate French	3	1	D	S	307	Schick
3a	French Conversation and Composition	2	2	D	S	303	Schick
8a	French Phonetics	3	2	D	S	303	Schick
*5a	†Elementary Spanish	3	2	D	S	306	Server
*5b	†Elementary Spanish (Cont.)	3	1	D	S	306	Server
6a	French Novel and Drama	3	3	D	S	306	Server
7a	Intermediate Spanish	3	1	D	S	306	Server
80a	Tutorial Seminar	1	By	Appt.			Staff

* Open to freshmen.
† Special work is assigned for students wishing to pass the examination for a reading knowledge of the language.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ROMANCE LANGS.—Cont.						
	The following courses not open to lower division students:						
109a	French Literature of the XIX Century	3	3	D	S	306	Server
114a, b, c, etc.	Independent Work in Romance Languages	3	By	Appt.			Staff
	SOCIAL WORK						

Requirements for a Major. Senior standing and a background in the Social Sciences and Biology. Students desiring to major in the department should consult the head of the department early in their college work concerning preparation for matriculation. **Required:** Thirty hours, or a full curriculum advised. Comprehensive examination in the senior year.

Requirements in Field of Concentration. Forty credits of advanced work in the field of Social Studies and the Biological Sciences, including courses in the major.

	The following courses not open to lower division students:						
122	Field of Social Work	3	4	D	McVH	314	Palmer
124	Orientation to Field Work, Part I	2	1	D	McVH	314	Haugen
125	Orientation to Field Work, Part II	3	By	Appt.			Haugen
	SOCIOLOGY						

Requirements for a Major. Prerequisites: Junior standing; Sociology 1 and 2. **Required:** Minimum of 15 credits of advanced work in Sociology; Sociology 20a, b; comprehensive examination in senior year.

Requirements in Field of Concentration. Credits to the number of forty of advanced work in the field of Social Sciences, including the major work.

*1	Principles of Sociology	3	1	D	FH	106	Best
	The following course not open to lower division students:						
101	Social Dependence	3	2	D	FH	106	Best
109	Marriage and the Family (The Family)—June 17–July 3	3	3, 4	D	FH	105	Stone
	ZOOLOGY						

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

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

11_1	Nature Study, Rec.	3	2	MTThF	S	108	Allen
11_2	Nature Study, Field		5, 6	W	Field		Allen
25	General Animal Biology	3	4	D	S	103	Meyer

* Open to freshmen.

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ZOOLOGY—Continued						
	The following courses not open to lower division students:						
101a	Histology	3	1, 2	D	S	5	Brauer
102_1	Ornithology, Lec.	3	1	MTThF	S	108	Allen
102_2	Ornithology, Field		By	Appt.			Allen
105	Parasitology	3	2, 3	D	S	103	Meyer
108a	Principles of Zoology (Evolution)	2	4	D	McVH	111	Funkhouser
160	Ontogeny	2	3	D	S	108	Brauer

COLLEGE OF AGRICULTURE

	AGRONOMY						
118	Kentucky Soils (June 17–July 3.) A four-day field trip required.	3	1, 2, 3	D	Agr.	301	Karraker
120	Tobacco (July 5–20.)	3	1, 2, 3	D	AE	106	Kinney
	ANIMAL INDUSTRY						
19	Genetics	3	2	D	D	212	Steele
27	Horse Production	3	5, 6, 7	TTh	Agr.	205	Horlacher
33	Farm Dairying (July 5–20.)	3	1, 2, 3	D	D	113	Morrison
107	Sheep Production	3	1	D	Agr.	105	Horlacher
125	Dairy Cattle Feeding and Management (July 5–20.)	3	1, 2, 3	D	D	109	Ely
134	Advanced Poultry Production	3	4	D	SP	101	Ringrose
	ANIMAL PATHOLOGY						
C116	Diseases of Domestic Animals	3	3	D	SP	101	Dimock
201a	Investigations in Animal Diseases (For Veterinarians only)	4	By	Appt.			Dimock
	FARM ENGINEERING						
101a	Special Problems (July 5–20.)	3	1, 2, 3, 4	D	AE	201	Young
104	Rural Electrification (June 17–July 3.)	2	7:00–8:50	D	AE	106	Kelley

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF AGRICULTURE—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	HORTICULTURE						
113	Landscape Gardening (June 17–July 3.)	3	1, 2, 3	D	Agr.	303	Elliott
	HOME ECONOMICS						
6a	Foods	3	1, 2	D	Agr.	103	Barkley
6b	Foods	3	3, 4	D	Agr.	103	Barkley
16	Elementary Nutrition	3	3	D	Agr.	205	Grundmeier
41	Housing	3	2	D	Agr.	205	Grundmeier
117	Interior Decoration	3	5, 6	MTW ThF	Agr.	202	Seeds
124	Dietetics	4	1, 2	D	Agr.	1 and 101	Grundmeier
128	Advanced Clothing Problems	3	3, 4	MTW ThF	Agr.	202	Seeds
142a	Home Management, Lec.	2	3	MTThF	Agr.	101	Deephouse
142b	Home Management, Lab.	3	By	Appt.			Deephouse

GRADUATE COURSES IN ECONOMIC AND SOCIOLOGICAL ASPECTS OF AGRICULTURE (June 17–July 3)

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

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

	FARM ECONOMICS						
117b	Current Land Problems	1	7:30–8:20	D	D	113	Allen
123	Problems in Land Tenure and Farm Tenancy	1	8:30–9:20	D	D	113	Nicholls
124	Farm Management for a Changing Agriculture	1	10:30–11:20	D	D	113	Bradford
	MARKETS AND RURAL FINANCE						
132b	Current Problems in Agricultural Economics	1	11:30–12:20	D	D	113	Price, H. B.
134	Foreign Trade in Agricultural Products	1	9:30–10:20	D	D	113	White

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF ENGINEERING

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	APPLIED MECHANICS						
1	Analytical Mechanics	4	1, 2	5 days	Eng.	201	Walton
	CIVIL ENGINEERING						
*15	General Surveying	3	3 wks.	Camp	Robinson		Terrell and Shaver
*16b	Route Surveying	3	3 wks.	Camp	Robinson		Terrell and Shaver
*17	Hydrographic Surveying	1	1 wk.	Camp	Robinson		Terrell and Shaver
120	Hydraulics	2	4	MTW ThF	Eng.	214	Cheek
123	Hydraulics Laboratory	1.5	5, 6	MWF	Eng.	108	Cheek
	ELECTRICAL ENGINEERING						
21	Principles of Elec. Engineering	4	3 4	D MWF	Eng.	201	Freeman
115	Direct Current Machinery	4	2 5, 6	D MWF	Eng.	232	Bureau
123	Electrical Equip. Problems	2	By	Appt.	Eng.	232	or
124	Electrical Design	3	By	Appt.	Eng.	232	Barnett
152c	Independent Problems	4	By	Appt.	Eng.	232	Staff
	ENGINEERING DRAWING						
1	Elem. Engineering Drawing	2	18 hrs. a wk. By Appt.		Eng.	216	Horine
18	Engineering Drawing	2	18 hrs. a wk. By Appt.		Eng.	216	Horine
19	Mechanical Drawing (For Sanitary Inspectors)	1	10 hrs. a wk. By Appt.		Eng.	216	Horine
	MECHANICAL ENGINEERING						
*C15	Engineering Laboratory	4	44 hrs. a wk. for 4 weeks		Eng.	110	Meyer
	METALLURGICAL ENGINEERING						
*60a	Metallurgical Laboratory	6	44 hrs. a wk. for 6 weeks		Eng.		Crouse and others
*120	Assaying	2	44 hrs. a wk. for 2 weeks		Eng.		Beebe
*121	Fuel and Metallurgical Laboratory	2	44 hrs. a wk. for 2 weeks		Eng.		Beebe
*167	Extractive Metallurgy Plant Practice	3	44 hrs. a wk. for 3 weeks		Eng.		Emrath

* Open only to students in the College of Engineering, University of Kentucky.

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF ENGINEERING—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	MINING ENGINEERING						
*160	Mine Surveying and Field Practice in Mining Engineering	3	44 hrs. a wk. for 3 weeks		Camp Robinson		Emrath
	SANITARY ENGINEERING						
24	Sanitary Engineering (For Sanitary Inspectors)	5	By	Appt.	Eng.	214	Cheek

* Open only to students in the College of Engineering, University of Kentucky.

COLLEGE OF LAW

106a-b	Pleading I and II	4	8– 8:50 11–11:50	D	Law	100	Randall
149	Municipal Corporations	2	11–11:50	D	Law	213	Roberts
179	Legislation	2	8– 8:50	D	Law	213	Eblen
178	Creditors' Rights	2	9– 9:50	D	Law	213	Roberts
180	Labor Law	2	10–10:50	D	Law	213	Eblen

COLLEGE OF EDUCATION

	ADMINISTRATION						
	The following courses not open to freshmen and sophomores:						
101	School Organization	3	4	D	A	301	Meece
198	The Administration of Pupil Personnel (June 17–July 3)	3	8:30–11	D	A	304	Walton
	The following courses open only to graduate students:						
202	Local School Administration	3	3	D	A	205	Hill
210	Special Problems in School Administration	3	By	Appt.	E	232	Meece
211	Administration of Vocational Education (July 5–20)	3	By	Appt.	SP	106	Woods
221b	Seminar in Administration (July 5–20)	3	4, 5	D	E	Aud.	Dennis
225	Supervision of Instruction	3	2	D	E	131	Meece
228a	Seminar in Educ. (June 17–22)	1	4, 5	D	E	Aud.	Engelhardt, Seay
C228b	Seminar in Education (June 24–July 3)	2	4, 5	D	E	Aud.	Lee
229	The Elementary Principal	3	3	D	E	131	Duncan
231	Financing Public Education	3	2	D	A	205	Hill
232	High School Administration	3	1	D	E	222	Ligon
238	Trends in Higher Education	3	1	D	A	205	Chamberlain
301a, b	Research Problems in Educational Administration	3	By	Appt.	E	232	Meece

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ADMINISTRATION—Cont.						
307a, b	Research Problems in Secondary Education	3	By	Appt.	E	114	Ligon
308a, b	Research Problems in Elementary Education	3	By	Appt.	E	136	Duncan
321a, b	Research Problems in Higher Education	3	By	Appt.	A	112	Chamberlain
	AGRICULTURAL EDUCATION						
	The following course not open to freshmen and sophomores:						
179	Determining Content in Vocational Agriculture (June 17–July 3)	3	By	Appt.	E	226	Hammonds
	The following courses open only to graduate students:						
211	The Administration of Vocational Educa. (July 5–20)	3	By	Appt.	SP	106	Woods
282	Special Problems in Vocational Education	3	By	Appt.	SP	106	Woods
287b	Selecting Teaching Materials (July 5–20)	3	By	Appt.	E	226	Armstrong
287d	Directing Farm Practice (July 5–20)	3	By	Appt.	Agr.	304	Hammonds, Gregory
287f	Part-Time Schools (June 17–July 3)	3	By	Appt.	Agr.	304	Armstrong
	BUSINESS EDUCATION						
	The following courses not open to freshmen and sophomores:						
104	Foundations of Business Education in the High School	3	4	D	A	205	Liles
158a	Methods of Teaching Secretarial Subjects	2	4	D	WH	101	Guy
158b	Methods and Materials in Teaching Accounting	2	1	D	WH	103	Guy
C184	Teaching Office Applicances	2	3	D	WH	205	Guy
	The following courses open only to graduate students:						
256	Methods and Materials in the Social Business Subjects (June 17–July 3)	3	2 and 4	D	WH	201	Lawrence
257a	Seminar in Business Education	1	6	TTh	WH	103	Lawrence
259	The Commerce Curriculum (July 5–20)	3	2 and 4	D	WH	201	Lawrence

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	DISTRIBUTIVE OCCUPATIONS EDUCATION						
	The following courses not open to freshmen and sophomores:						
112	Determining Teaching Content in Distributive Occupations (June 17–July 3)	3	2, 3	D	McVH	206	Baker
128	Technique of Teaching Distributive Occupations (July 5–20)	3	2, 3	D	McVH	206	Baker
	The following courses open only to graduate students:						
211	The Administration of Vocational Education (July 5–20)	3	By	Appt.	SP	106	Woods
282	Special Problems in Vocational Education	3	By	Appt.	SP	106	Woods
	EDUCATIONAL PSYCHOLOGY						
	The following courses not open to freshmen and sophomores:						
C118	Educational Tests and Measurements for Elem. Teachers	3	1	D	A	301	Crawford
122	Educational Tests and Measurements for High School Teachers	3	1	D	A	301	Crawford
147	Foundations of Secondary Education	3	3	D	E	231	Ross
	The following courses open only to graduate students:						
216	Seminar in Tests and Measurements (Evaluative Criteria of Secondary Education)	3	2	D	A	301	Crawford
254	Problems in Educational Psychology	3	2	D	E	222	Ross
	ELEMENTARY EDUCATION						
	The following courses not open to freshmen and sophomores:						
44	Fundamentals of Elementary Education	5	9:50–12	D	E	170	Haines
110	Advanced Industrial Arts	2	2	D	E	170	Haines
C118	Educational Tests and Measurements for Elem. Teachers	3	1	D	A	301	Crawford
*C133	Directed Teaching in the Elem. School (Seniors only)	6	8:00–12	D	E	136	Duncan and Train. Tchrs.
172	Teaching Reading in the Elementary School	3	1	D	E	131	Duncan

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

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ELEMENTARY EDUC.—Cont.						
C174	Pre-School Theory and Management	3	4	D	E	Kdg.	Limburg
196	Science in the Elementary School	3	4	D	E	Kdg.	E. Adams
	The following courses open only to graduate students:						
224a	Organization and Supervision of Student Teaching	3	2:00–3:15	D	E	131	Duncan, Williams
229	The Elementary Principal	3	3	D	E	131	Duncan
308a, b	Research Problems in Elementary Education	3	By	Appt.	E	136	Duncan
	HISTORY OF EDUCATION						
	The following courses open only to graduate students:						
219	Great Educators and Their Work	3	1	D	E	231	Patrick
220	Comparative Education	3	4	D	E	131	Taylor
235	History of Educa. in Kentucky	3	4	D	A	304	Patrick
237a	Research in History of Educa.	3	By	Appt.	E	233	Patrick
	HOME ECONOMICS EDUCATION						
	The following course not open to freshmen and sophomores:						
165b	Problems in Vocational Education—Adult and Part-Time Education (July 5–20)	3	2 and 4	D	E	104	Vaughn
	The following courses open only to graduate students:						
264	Modern Tendencies in Home Economics Education (June 17–July 3)	3	2 and 4	D	E	104	Parker
269	Achievement Testing in Home Economics (July 5–20)	3	1 and 3	D	E	104	Parker
	INDUSTRIAL EDUCATION						
	The following courses not open to freshmen and sophomores:						
C71a	Trade Analysis and Course Planning (June 17–July 3)	3	2, 3	D	McVH	203	Hankins, Lee
C71b	Trade Analysis and Course Planning (July 5–20)	3	2, 3	D	McVH	203	Hankins, Dennis
C77	Shop Management Problems (June 17–July 3)	3	2, 3	D	McVH	204	May, Lee
183	Methods in Industrial Education (July 5–20)	3	2, 3	D	McVH	204	May, Dennis

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	INDUSTRIAL EDUC.—Cont.						
	The following courses open only to graduate students:						
211	The Administration of Vocational Education (July 5–20)	3	By	Appt.	SP	106	Woods
282	Special Problems in Vocational Education	3	By	Appt.	SP	106	Woods
	MUSIC EDUCATION						
	The following course open only to graduate students:						
253	Independent Work in Music Education	3	3	D	AC	7	Capurso
	PHILOSOPHY OF EDUCATION						
	The following course not open to freshmen and sophomores:						
175e	Modern Educational Problems—Administration of Adult Education (July 5–20)	3	4, 5	D	McVH	206	
	The following courses open only to graduate students:						
200	Advanced Course in Philosophy of Education (July 5–20)	3	3, 4	D	E	222	Adams
228a	Seminar in Education (June 17–22)	1	4, 5	D	E	Aud.	Engelhardt, Seay
C228b	Seminar in Education (June 22–July 3)	2	4, 5	D	E	Aud.	Lee
234	Problems in Curriculum Making (June 17–July 3)	3	4, 5	D	McVH	204	
246	Motion Pictures in Education	3	1	D	FH	302	Starnes
	SECONDARY EDUCATION						
	The following course not open to freshmen and sophomores:						
105	Fundamentals of Secondary Education	3	2	D	E	231	Ligon
107	Safety Education	3	4	D	E	231	Mitchell, Hansen
	The following courses open only to seniors:						
153_1	Directed Teaching in English	6	By	Appt.	E	107	Williams, Anderson
153_2	Directed Teaching in English	6	By	Appt.	E	108	Williams, Miller
153_3	Directed Teaching in English	6	By	Appt.	E	101	Williams, Shipman
154_1	Directed Teaching in Languages	6	By	Appt.	E	208	Williams, Topham

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	SECONDARY EDUC.—Cont.						
154_2	Directed Teaching in Languages	6	By	Appt.	E	122	Williams, West
155_1	Directed Teaching in the Sciences	6	By	Appt.	E	201	Williams, Keffer
155_2	Directed Teaching in the Sciences	6	By	Appt.	E	211	Williams, Kemper
156_1	Directed Teaching in Mathematics	6	By	Appt.	E	126	Williams Keffer
156_2	Directed Teaching in Mathematics	6	By	Appt.	E	126	Williams, Buchanan
157_1	Directed Teaching in Social Studies	6	By	Appt.	E	207	Williams, Peck
157_2	Directed Teaching in Social Studies	6	By	Appt.	E	101	Williams, Shipman
$177a_1$	Directed Teaching in Music	3	By	Appt.	E	177	Williams, Capurso
$177a_2$	Directed Teaching in Music	3	By	Appt.	E	177	Williams, Mason
$177b_1$	Directed Teaching in Music	3	By	Appt.	E	177	Williams, Capurso
$177b_2$	Directed Teaching in Music	3	By	Appt.	E	177	Williams, Mason
193	Directed Teaching in Commercial Subjects	6	By	Appt.	E	134	Williams, Betz
	The following courses open only to graduate students:						
224a	Organization and Supervision of Student Teaching	3	2:00–3:15	D	E	131	Duncan, Williams
232	High School Administration	3	1	D	E	222	Ligon
*244	Problems in the Teaching of Physics	3	2	TWThF	PENCE	201	Koppius
307a, b	Research Problems in Secondary Education	3	By	Appt.	E	114	Ligon
	VOCATIONAL EDUCATION						
	The following courses open only to graduate students:						
211	The Administration of Vocational Education (July 5–20)	3	By	Appt.	SP	106	Woods
282	Special Problems in Vocational Education	3	By	Appt.	SP	106	Woods

* Attendance in lectures of Physics 51a required.

FIRST TERM—SUMMER SESSION 1940
COLLEGE OF COMMERCE

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
1	Principles of Economics	3	4	D	WH	303	Carter
*2	Economic History of Europe	3	2	D	WH	303	Bekker
7a	Principles of Accounting, Rec.	4	1	D	WH	306	Beals
	Principles of Accounting, Lab.		By	Appt.	WH		Beals
*8	Economic Geography	3	3	D	WH	303	Jennings
10	Principles of Marketing (Prereq., Com. 1.)	3	2	D	WH	101	Moore
11	Salesmanship	2	6	MTWTh	WH	201	McIntyre
13a	Secretarial Practice and Shorthand (Prereq., English 1a and 1b.)	3	1	D	WH	301	Fowler
14a	Adv. Secretarial Practice	3	3	D	WH	301	Liles
17a	Secretarial Practice and Typewriting (Prereq., English 1a and 1b.)	2	5	MTWTh	WH	301	Liles
102	Labor Problems (Prereq., Com. 1.)	3	3	D	WH	103	Carter
105	Money and Banking (Prereq., Com. 1.)	3	2	D	WH	103	Carpenter
107	Statistical Method	3	6	D	WH	401	Palmer
109a	Business Law	3	4	D	WH	103	Haun
113	Auditing	3	2	D	WH	205	Haun
119	Retail Merchandising	2	5	MTWTh	WH	201	McIntyre
135	Adv. Marketing	3	4	D	WH	201	Moore
144	Property and Casualty Insurance	3	3	D	WH	101	Carpenter
203	Hist. of Economic Thought	3	4	D	WH	205	Wiest
207	Literature of Public Finance (Theory)	3	6	D	WH	205	Martin

* Open to freshmen.

SECOND TERM

SECOND TERM—SUMMER SESSION 1940
COLLEGE OF ARTS AND SCIENCES

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

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

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

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

1b	General Physiology	3	2	D	BS	306	Allen
	The following course not open to freshmen and sophomores:						
C105	Architecture of the Human Skeleton	3	3	D	BS	306	Allen
	The following course is open to graduate students only:						
201b	Research in Physiology	5	By Appt.	D	BS	304a	Allen
	ANCIENT LANGUAGES						

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

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

*1, *2, *3, *4, *5, *6	Beginning Latin, Caesar, Cicero, Virgil, Livy, Horace	3	1	D	A	303	Jones
	The following courses not open to lower division students:						
110a, b	Latin Literature (Selections)	3	1	D	A	303	Jones
122a	Greek Literature in English (Translation: Epic and Lyric Poetry)	3	3	D	A	303	Jones
150b	Teacher's Course in Latin (Based on second year work)	3	3	D	A	303	Jones
	ANTHROPOLOGY AND ARCHAEOLOGY						
	The following courses not open to freshmen and sophomores:						
102	Kentucky Archaeology	2	2	D	S	108	Haag
101	Principles of Anthropology	2	3	D	McVH	111	Funkhouser
	ART						
10	Public School Art	2	4	D	E	170	Haines

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	BACTERIOLOGY						

Requirements for a Major. Prerequisites: Chemistry 1a and 1b; Bacteriology 2b, 52 or 102. **Required:** Two credits in Seminar, plus an additional 13 credit-hours of advanced work in Bacteriology, including Bacteriology 125.

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

Medical Technology Course. A four-year course leading to the degree B. S. in Medical Technology is offered which is designed to prepare men and women for positions in hospital laboratories, physicians' and surgeons' clinics, and federal, state and municipal laboratories and to fit the especially adapted student for either commercial or research laboratory work in Bacteriology. It also meets all the requirements of the United States Civil Service Commission for the rank of Junior Bacteriologist. (30 credits in Bacteriology.)

The University of Kentucky is registered as an approved school for laboratory technicians by the Board of Registry of the American Society of Clinical Pathologists, and by the Council on Education of the American Medical Association. Graduates of this course who may desire to enter medical school will have all the requirements of the American Medical Association and the Association of American Medical Colleges for entrance to all Class A medical schools, provided they take two years of foreign language.

6_1	Bacteriology for Nurses, Lec...	4	1	D	KH	B13	Scherago
6_2	Bacteriology for Nurses, Lab...		2	D	BS	208	Wright
57_1	Bacteriology of Water and Sewage, Lec.	4	2	D	KH	B13	Weaver
57_2	Bacteriology of Water and Sewage, Lab.		3	D	BS	207	Weaver
	The following courses not open to freshmen and sophomores:						
102_1	General Bacteriology, Lec.	4	1	D	KH	B13	Scherago
102_2	General Bacteriology, Lab.		2	D	BS	210	Weaver
104	Applied Bacteriology, Lab.	2	By Appt.	D	BS	206	Weaver
110b	Laboratory Diagnosis, Lab.	3	3, 4	D	BS	206	Wright
115a-d	Independent Work	3	By Appt.	D	BS	206	Scherago
125_1	Immunology and Serology, Lec.	5	2	D	KH	B13	Scherago
125_2	Immunology and Serology, Lab.		3, 4	D	BS	206	Wright
	The following courses open only to graduate students:						
201b	Research in Bacteriology	5	By Appt.	D	BS		Scherago and Weaver
$203b_1$	Public Health Bact., Lec.	3	By Appt.	D	KH	B13	Scherago
$203b_2$	Public Health Bact., Lab.		By Appt.	D	BS	208	Scherago
207_1	Bacteriology of Water and Sewage, Lec.	4	2	D	KH	B13	Weaver
207_2	Bacteriology of Water and Sewage, Lab.		3	D	BS	206	Weaver

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	BOTANY						

Requirements for a Major. Prerequisites: Botany 1a, 1b. **Required:** Botany 6, 15, 19, 103, 125a, 125b; a minimum of 20 credits of advanced work in Botany.

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

*1b	General Botany (Lec. and Lab.)	4	1, 2	D	M	203	McFarland
15	Local Flora (Plant Identification)	3	3	D	M	205	McFarland
	CHEMISTRY						

Requirements for a Major. Prerequisites: Junior standing; Chemistry 1a, b; 4, 8. **Required:** Chemistry 103 or 109 or 130a, b; and 101 or 131a, b.

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

Note.—For outline of course leading to degree of "B. S. in Industrial Chemistry" consult University catalog.

*1b	General Inorganic Chemistry (Prereq., Chemistry 1a.)	5	1, 2, 3	D	KH KH KH	101 201 209	Mitchell
8	Quantitative Analysis (Prereq., Chemistry 4 or 6.)	5	1, 2, 3, 4	D	KH KH	111 113	Gabbard
20b	Organic Chemistry (Prereq., Chem. 7 or 20a.)	5	1, 2, 3	D	KH KH	214 217	Barkenbus
	The following courses not open to freshmen and sophomores:						
101	Physical Chemistry (Prereq., Chemistry 7 and 8, Physics 1b and Math. 17.)	5	2, 3, 4	D	KH KH	B14 B17	Gabbard
103	Qualitative Organic Analysis (Prereq., Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus
106	Advanced Organic Chemistry (Prereq., Chem. 127b or 20b.)	5	By Appt.	D	KH	215	Barkenbus
109	Quantitative Analysis (Prereq., Chemistry 8.)	5	1, 2, 3, 4	D	KH	111	Gabbard
110	Physical Chemistry, Intermediate Course, Lec. (Prereq., Chemistry 131b and Calculus.)	3	By Appt.	D	KH	B14	Gabbard
111	Physical Chemistry, Intermediate Course, Lab. (Prereq., 110 or accompanied by it.)	2	By Appt.	D	KH	B17	Gabbard
127b	Organic Chemistry (Prereq., Chemistry 7, or 20a, or 127a.)	5	1, 2, 3	D	KH KH	214 215	Barkenbus
	The following courses are open to graduate students only:						
204a	Organic Chemistry (Prereq., 103 or 106.)	5	By Appt.	D	KH	215	Barkenbus

*** Open to freshmen.**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	CHEMISTRY—Continued						
204b	Organic Chemistry (Prereq., 204a.)	5	By Appt.	D	KH	215	Barkenbus
206a	Adv. Physical Chemistry, Lab. (Prereq.,205a.)	3	By Appt.	D	KH	B17	Gabbard
206b	Adv. Physical Chemistry, Lab. —Continuation of 206a (Prereq., 205b.)	3	By Appt.	D	KH	B17	Gabbard
	ECONOMICS						

Requirements for a Major. Prerequisites: Junior standing; six credits in Economics including Course 1. **Required:** A minimum of 17 credits of advanced work in Economics including Course 9, if not taken as a prerequisite, and Courses 102 or 130, 104 or 124 and 105; the remainder of credits to be selected from the Arts and Sciences list of Economics courses numbered above 100. In addition, tutorial Courses 16a and b must be taken in the senior year to prepare for the required comprehensive examination.

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

*3	Economic History of U. S.	3	2	D	WH	303	Bekker
7b	Prin. of Accounting, Rec.	4	1	D	WH	306	Beals
	Prin. of Accounting Lab.		By Appt.				Beals
9	Forms of Business Organization	3	4	D	WH	303	Ketchum
	The following courses not open to lower division students:						
104	Public Finance (Prereq., Com. 1.)	3	2	D	WH	103	Sullivan
110	Business Cycles (Prereq., Com. 107.)	3	6	D	WH	401	Palmer
125	Adv. Economic History	3	3	D	WH	303	Jennings
147	American Business Leaders	2	5	MTWTh	WH	303	Jennings
	The following course open only to graduate students:						
208	Advanced Economic Theory	3	4	D	WH	205	Sullivan
	ENGLISH						

Requirements for a Major. Prerequisites: Junior standing; English 1a, 1b, 3a, 3b. **Required:** A minimum of 18 credits of advanced work in English.

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

*1a	English Composition	3	1	D	McVH	210	Ward
*1b	English Composition	3	2	D	McVH	210	Nuckols
3b	History of English Literature	3	3	D	McVH	210	Ward
	The following courses not open to freshmen and sophomores:						
130a	Comparative Literature	3	2	D	McVH	204	Brady
170a	Backgrounds to Modern Literature	3	4	D	McVH	206	Gallaway

*** Open to freshmen.**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ENGLISH—Continued						
	The following courses open only to graduate students:						
210	Seminar (Bibliographical Studies)	3	1	D	McVH	204	Brady
213a	Seminar (Studies in 18th Century Literature)	3	3	D	McVH	206	Gallaway
	GEOLOGY						

Requirements for a Major. Prerequisites: Junior standing; Geology 22a, b. **Required:** 9a, b; 26a, b; 101a, b; 104a, b; 106a, b; 123a, b; 118a, or b; 124a, b; a comprehensive examination in the senior year.

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

*24a	Elements of Geography	3	4	D	S	203	Young
*14b	Elementary Field Geology	1	1–5 p. m.	W	S	203	McFarlan
*14d	Elementary Field Geology	1	1–5 p. m.	TTh	S	203	McFarlan
	The following course not open to freshmen and sophomores:						
120b	Geology of Kentucky (No prerequisite)	3	2	D	S	203	McFarlan
	GERMAN LANGUAGE AND LITERATURE						

Requirements for a Major. Prerequisites: Junior standing; German 1a, b; 2a, b; **Required:** German 3a, b; 101a, b; 102a, b; 120a, b; 130a, b.

Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work. Major students are required to enroll in tutorial courses during the junior and senior years and to pass a final comprehensive examination.

Note.—No credit for German 1a until 1b has been passed.

*1a	Elementary German	3	2	D	A	205	Bigge
*1b	Elementary German	3	2	D	A	205	Bigge
2a	Intermediate German	3	3	D	A	205	Bigge
2b	Intermediate German	3	3	D	A	205	Bigge
3b	Selected Readings	3	By Appt.	D	A	205	Bigge
6b	Scientific German	3	By Appt.	D	A	205	Bigge
	The following courses not open to freshmen and sophomores:						
102b	Twentieth Century Literature	3	By Appt.	D	A	205	Bigge
105a-d	Independent Work in German	3	By Appt.	D	A	205	Bigge
	HISTORY						

Requirements for a Major. Prerequisites: History 2a, 2b, or 4a and 4b, or 5a and 5b. **Required:** A minimum of 20 credits of advanced courses in History. Should include the Senior Seminar.

*** Open to freshmen.**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	HISTORY—Continued						

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

*4b	Modern Europe since the French Revolution	3	4	D	FH	204	Lunde
5b	History of United States (since 1860)	3	2	D	FH	202	Clark
	The following courses not open to lower division students:						
127b	American Political Biography	2	2	D	FH	304	Knapp
135b	British Empire (since 1860)	3	2	D	FH	301	Hall
138	British Social History (Tudor)	2	1	D	FH	301	Hall
151b	The American Frontier	3	4	D	FH	301	Clark
171	Europe in the 18th Century	2	3	D	FH	204	Lunde
	The following courses open only to graduate students:						
280	European Historiography	2	4	D	FH	202	Tuthill
366	Reconstruction	3	3	D	FH	304	Knapp
	HYGIENE AND PUBLIC HEALTH						

Requirements for a Major. Prerequisites: Junior standing; 12 credits in Biological Sciences. **Required:** Bacteriology 103. A minimum of 15 credits of advanced work in Hygiene and Public Health.

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

*9	Hygiene for Teachers	2	3	D	HB	205a	Hamilton
	The following courses not open to lower division students:						
C100a	Public Health	2	4	D	HB	205a	Hamilton
C115	Communicable Diseases	2	2	D	HB	205a	Hamilton
	JOURNALISM						

Requirements for a Major. Prerequisites: Journalism 2a, b and 20a, b. **Required:** Journalism 104a, b; 105, 106, 107, 108, 123, 127, and 90a, b.

Requirements in Field of Concentration for Majors. Forty credits 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.

The Degree of A. B. in Journalism. Three 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 the senior year.

10a	Survey of Journalism	3	2	D	McVH	54	McLaughlin
	The following course not open to lower division students:						
112	Critical Writing for the Press	3	3	D	McVH	54	McLaughlin

*** Open to freshmen.**

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	LIBRARY SCIENCE						

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

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

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

	The following professional courses open to senior and graduate students:						
126	Place, Function, Administration of High School Library	3	3	D	UL	314	Durst
150a	Book Selection	3	2	D	UL	314	Durst
	MATHEMATICS AND ASTRONOMY						

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

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

*15	Math. of Finance	3	3	D	McVH	104	LeStourgeon
20b	Integral Calculus	4	8:00–9:40	D	McVH	106	Latimer
	The following courses not open to lower division students:						
106a or 209	Advanced Calculus	3	2	D	McVH	104	LeStourgeon
	Theory of Functions of a Complex Variable (For graduate students only)	3	2	D	McVH	104	LeStourgeon
C211	Higher Algebra (For graduates only)	2	9:50–10:40	D	McVH	106	Latimer
	MUSIC						

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

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	MUSIC—Continued						

Requirements in Field of Concentration. Forty credits of advanced work in the field of Literature, Philosophy, and the Arts, including the major work. All candidates for the B. S. in Music degree are required to take part in either orchestra or glee club, or both, for the four years without credit. This also applies to music majors from other colleges.

Note.—For the degree of Bachelor of Science in Music see catalog.

Not more than 18 credits in Applied Music may be offered to count toward the A.B. or B.S. degrees in other colleges.

15a-h	Applied Music—Piano†	3	By	Appt.	AC	2	Rebner
*C16a, b	Applied Music—Strings†	2	By	Appt.	AC	9	Capurso
*C17a, b	Applied Music—Voice†	2	By	Appt.	AC	1	Ogle
*33b	Elementary Harmony and Sight Reading (Prereq., 33a)	5	1, 2	D	AC	8	Allton
*40a, b	Orchestra (No credit for Music majors)	1	3 p. m.	D	Mem.		Capurso
12b	Counterpoint (Prereq., 12a)	2	5	D	AC	24	Allton
13b	Form and Analysis (Prereq., 13a.)	2	5	D	AC	8	Rebner
C16c-h	Applied Music—Strings†	2	By	Appt.	AC	9	Capurso
C17c-h	Applied Music—Voice†	2	By	Appt.	AC	1	Ogle
19b	History of Music (Music Majors only)	3	2	D	AC	24	Rebner
34b	Advanced Harmony, Dictation and Ear Training (Prereq., Music 33a, b.)	5	3, 4	D	AC	8	Allton
42	Seminar	2	5	D	AC	7	Staff
40c-h	Orchestra	1	3 p. m.	D	Mem.		Capurso
	The following courses not open to lower division students:						
110a, b	Independent Work in Music	2	By Appt.	D	AC	9	Allton
114a	Orchestration and Conducting	2	3	D	AC	24	Rebner
	The following courses open to graduate students only:						
C216a-d	Applied Music† (Strings)	2	By	Appt.	AC	9	Capurso
C217a-d	Applied Music† (Voice)	2	By	Appt.	AC	9	Ogle
	PHYSICAL EDUCATION						

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

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

---

* Open to freshmen.

† Tuition for Applied Music, $24 for two credits; Organ Practice fee, $7.50 per term; others $2.50.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	PHYSICAL EDUCA.—Cont.						

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

14	Elementary Plays and Games..	2	4	D	WG		Huddleston
	The following courses not open to lower division students:						
115	History and Survey of the Dance	3	4	D	FH	106	Montgomery
125	Organization and Administration of Recreation	3	1	D	FH	106	Montgomery
128	Principles and Methods of Physical Education	3	2	D	FH	106	Potter
	The following courses open only to graduate students:						
200	Graduate Seminar in Physical Education	2	3	D	FH	106	Potter
203	Current Studies in the Administration of Physical Education	2	1	D	FH	201	Huddleston
204	Current Studies in the Administration of Athletics	2	3	D	FH	201	Huddleston
	COACHING SCHOOL						
	(August 12–17.)						
C131	Advanced Basketball	.5	3:30–4:30 p.m. 8:00–9:00 p.m.	D	AG		Rupp
C142	Advanced Football	.5	9:30–12:00 1:30–3:00 p.m.	D	AG		Snavely, Kirwan, Shively

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

Archery	3:00–4:00	TTh	WG
Badminton	1:30–2:30	TTh	GA
Golf (Men)	2:00–3:00	MW	GA
Golf (Women)	3:00–4:00	MW	GA
Recreational Games	3:00–4:00	MW	GA
Social Dancing	4:00–5:00	TTh	WG
Tennis (Men)	2:30–3:30	MWF	GA
Tennis (Women)	3:30–4:30	MWF	GA
Tap Dancing (Men)	1:30–2:30	MW	WG
Tap Dancing (Women)	3:00–4:00	TTh	WG

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	PHYSICAL EDUCA.—Cont.						
	Modern Dance		3:00–4:00	MWF	WG		
	Volley Ball (Men)		12–1:00	D	AG		
	Activity Course for P. E. Majors		3:00–5:00	D	AG		
	Bowling (Men)		2:00–3:00	TTh	GA		
	Bowling (Women)		3:00–4:00	TTh	GA		
	PHYSICS						

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

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

*$1b_1$	General Elem. Physics, Lec.	5	1	D	PENCE	201	Hahn
*$1b_2$	General Elem. Physics, Rec.		2	TThS	PENCE	206	Hahn
*$1b_{21}$	General Elem. Physics, Lab.		2, 3	MWF	PENCE	307	Hahn
*51b	Introduction to Physics	3	1	D	PENCE	201	Hahn
$2b_1$	General College Physics, Rec.	5	2	D	PENCE	103	Pardue
$2b_{11}$	General College Physics, Lab.		3, 4	D	PENCE	107	Pardue

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

	POLITICAL SCIENCE						

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

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

*51	American Government	3	2	D	A	301	Shannon
	The following courses not open to lower division students:						
150	International Law	3	2	D	A	203	Vandenbosch
165	World Politics	3	3	D	A	203	Vandenbosch
	The following course open only to graduate students:						
271	Contemporary Political Theory	3	4	D	A	301	Shannon
	PSYCHOLOGY						

Requirements for a Major. Prerequisites: Junior standing; Psychology 1, 2a and 2b, 10 or their equivalent. **Required:** The student may choose as his field of concentration either the Biological or the Social Science group of subjects. In either case, 15 of the 40 credits in the field must be in courses in Psychology not open to freshmen.

*1	Elementary Psychology	3	2	D	NH	306	White
7	Psychology of the Child	3	4	D	NH	306	Asher

* Open to freshmen.

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	PSYCHOLOGY—Continued						
	The following courses not open to freshmen or sophomores:						
111	Mental Measurements	3	2	D	NH	300	Asher
114	Abnormal Psychology	3	3	D	NH	306	White
120a, b	Independent Work	2	By	Appt.	NH	200	Staff
	The following courses open only to graduate students:						
203a, b, etc.	Problems in Psychology	2	By	Appt.	NH	204	Staff
210a-d	Research in Psychology	3	By	Appt.	NH	204	Staff
	ROMANCE LANGUAGES						

Requirements for a Major. Prerequisites: Junior standing; In French, Romance Languages 1a, b; 2a, b; 4a, b or 5a, b; 3a, b or 8a, b; in Spanish Romance Languages 5a, b; 7a, b; 9a, b; 10a, b; 1a, b or 4a, b. **Required:** A minimum of 17 credits of advanced work in Romance Languages; 80a, b. Comprehensive examination in senior year.

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

*1b	Elementary French (Cont.)	3	3	D	S	307	Ryland
2a	Intermediate French	3	3	D	S	307	Ryland
2b	Intermediate French (Cont.)	3	3	D	S	307	Ryland
*5b	Elementary Spanish (Cont.)	3	2	D	S	307	Ryland
7b	Intermediate Spanish (Cont.)	3	2	D	S	307	Ryland
6b	French Novel and Drama	3	4	D	S	307	Ryland
80b	Tutorial Seminar	1	By	Appt.			Ryland
	The following courses not open to lower division students:						
109b	French Literature of the XIX Century	3	4	D	S	307	Ryland
114a, b, c, etc.	Independent Work in Romance Languages	3	By	Appt.			Ryland

Note.—No credit for duplicating work done in high school. If one unit is offered take 1b or 5b, etc. No credit for 1a or 5a until 1b or 5b is passed.

SOCIOLOGY

Requirements for a Major. Prerequisites: Junior standing; Sociology 1, 2. **Required:** Minimum of fifteen credits of advanced work in Sociology; Sociology 20a, b; comprehensive examination in senior year.

Requirements in Field of Concentration. Credits to the number of forty of advanced work in the field of Social Sciences including major work.

18	Social Origins	3	2	D	FH	105	
	The following course not open to lower division students:						
121	Population Problems	3	1	D	FH	105	

*** Open to freshmen.**

SECOND TERM—SUMMER SESSION 1940
COLLEGE OF ARTS AND SCIENCES—Continued

Course No.	Subject	No. Cr's.	Hour	Days	Building	Room No.	Instructor
	ZOOLOGY						

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

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

	The following courses not open to lower division students:						
$101b_1$	Histology, Rec.	3	3	D	S	5	Brauer
$101b_2$	Histology, Lab.		2 hrs. By Appt.				Brauer
106_1	Embryology, Rec.	4	1, 2	D	S	5	Brauer
106_2	Embryology, Lab.		2 hrs. By Appt.				Brauer
108b	Principles of Zoology (Heredity)	2	4	D	McVH	111	Funkhouser

COLLEGE OF AGRICULTURE

	AGRONOMY						
11	Elementary Farm Crops	3	1 5, 6	MTWF MWF	Agr.	304	Templeton
	AGRICULTURAL ENTOMOLOGY						
102	Advanced Agricultural Entomology (July 22–Aug. 7)	3	1, 2, 3	D	AE	101	Townsend
	ANIMAL INDUSTRY						
20	Principles of Animal Nutrition	3	2	D	D	113	Wilford
31	Market Classes and Breeds of Livestock	3	4	D	SP	106	Garrigus
106	Pork Production	3	3	D	D	113	Wilford
129	Dairy Bacteriology	4	5, 6	MTW ThF	D	113	Morrison
	HOME ECONOMICS						
125	Consumer Problems	3	3	D	Agr.	301	Deephouse
142b	Home Management, Lab.	3	By	Appt.			Deephouse

SECOND TERM—SUMMER SESSION 1940
COLLEGE OF ENGINEERING

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	APPLIED MECHANICS						
100	Strength of Materials	4	3, 4	MTW ThF	Eng.	201	Hawkins
	ELECTRICAL ENGINEERING						
116	Alternating Current Circuits and Machinery	4	3 5, 6	D MWF	Eng.	234	Bureau or Barnett
	MECHANICAL ENGINEERING						
*C15	Engineering Laboratory	4	44 hrs. a wk. for 4 weeks)		Eng.	110	Meyer

* Open only to students in the College of Engineering, University of Kentucky.

COLLEGE OF LAW

140a, b	Personal Property and Real Property	2	8– 8:50	D	Law	100	Pittman
160a, b	Private Corporations I and II	4	8– 8:50 11–11:50	D	Law	213	Evans
152	Oil and Gas	2	9– 9:50	D	Law	213	Moreland
150	Public Utilities	2	10–10:50	D	Law	213	Moreland
105	Agency	2	11–11:50	D	Law	100	Pittman

COLLEGE OF EDUCATION

	ADMINISTRATION						
	The following courses open only to graduate students:						
202	Local School Administration	3	2	D	A	205	Kirkpatrick
203	Constitutional and Legal Basis of Public School Adminis.	3	4	D	McVH	107	Meece
207	School Buildings and Equip.	3	1	D	A	205	Chamberlain
210	Special Problems in School Administration	3	By	Appt.	E	232	Meece
212	The Elementary School	3	1	D	E	131	Duncan
213	State School Administration	3	3	D	A	205	Kirkpatrick
214	The Secondary School	3	1	D	McVH	107	Crawford
225	Supervision of Instruction	3	4	D	E	131	Hill
232	High School Administration	3	2	D	E	222	Ligon
233	The Administration of the Teaching Personnel	3	3	D	E	231	Hill
301a, b	Research Problems in Educational Administration	3	By	Appt.	E	232	Meece
307a, b	Research Problems in Secondary Education	3	By	Appt.	E	114	Ligon

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	ADMINISTRATION—Cont.						
308a, b	Research Problems in Elementary Education	3	By	Appt.	E	136	Duncan
321a, b	Research Problems in Higher Education	3	By	Appt.	A	112	Chamberlain
	AGRICULTURAL EDUCATION						
	The following courses open only to graduate students:						
280	Methods of Teaching Vocational Agriculture (July 22–August 7)	3	By	Appt.	E	226	Hammonds
287c	Evening Schools (August 8–24)	3	By	Appt.	E	226	Hammonds
287e	Teaching Farm Shop (July 22–August 7)	3	By	Appt.	Agr.	205	Tabb
	BUSINESS EDUCATION						
	The following courses not open to freshmen and sophomores:						
158a	Methods of Teaching Secretarial Subjects	2	1	D	WH	201	Liles
192	Methods and Materials in General Business	3	3	D	WH	103	Guy
	The following courses open only to graduate students:						
208a, b	Problems in Business Educa	3	2	D	WH	101	Lawrence
C260	Teaching Consumer Courses in the High School	3	4	D	WH	201	Lawrence
	EDUCATIONAL PSYCHOLOGY						
	The following courses not open to freshmen and sophomores:						
C118	Educational Tests and Measurements for Elem. Teachers	3	2	D	McVH	107	Crawford
122	Educational Tests and Measurements for High School Teachers	3	2	D	McVH	107	Crawford
	The following courses open only to graduate students:						
223	Educational Statistics	3	2	D	E	131	Ross
254	Problems in Educational Psychology	3	3	D	E	222	Ross
	ELEMENTARY EDUCATION						
	The following courses not open to freshmen and sophomores:						
20	Industrial Arts for Elementary Grades	2	2	D	E	170	Haines

SECOND TERM—SUMMER SESSION 1940
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
110	Advanced Industrial Arts	2	1	D	E	170	Haines
C118	Educational Tests and Measurements for Elem. Teachers	3	2	D	McVH	107	Crawford
173	Teaching Literature to Children	3	3	D	E	231	Duncan
	The following courses open only to graduate students:						
212	The Elementary School	3	1	D	E	131	Duncan
308a, b	Research Problems in Elementary Education	3	By	Appt.	E	136	Duncan
	HISTORY OF EDUCATION						
	The following courses open only to graduate students:						
201	History of Education in the United States	3	1	D	E	231	Patrick
237b	Research in History of Educa.	3	By	Appt.	E	233	Patrick
	HOME ECONOMICS EDUCATION						
	The following courses open only to graduate students:						
263	Current Problems in Home Economics Education (August 8–24.)	3	1, 3	D	E	104	Spickard
268	Home Economics Curriculum Construction (July 22–August 7.)	3	1, 3	D	E	104	Spickard
	INDUSTRIAL EDUCATION						
	The following courses not open to freshmen and sophomores:						
C78	The Conference Method of Instruction in Industrial Education (August 8–24)	3	2, 3	D	McVH	103	May or Hankins
C79	Determining Related Subjects Content (July 22–Aug. 7)	3	2, 3	D	McVH	103	Hankins
C81	Analysis of Learning Difficulties in Industrial Education (July 22–August 7)	3	2, 3	D	McVH	100	May
C108	Coordination Techniques in Industrial Educa. (Aug. 8–24)	3	2, 3	D	McVH	100	May or Hankins
	MUSIC EDUCATION						
	The following courses open only to graduate students:						
251	Problems in Public School and Community Music	3	2	D	AC	7	Capurso

SECOND TERM—SUMMER SESSION 1940
COLLEGE OF EDUCATION—Continued

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
	MUSIC EDUCATION—Cont.						
252	Field Problems in Music	3	By	Appt.	AC	7	Capurso
253	Independent Work in Music Education	3	3	D	AC	7	Capurso
	PHILOSOPHY OF EDUCATION						
	The following courses not open to freshmen and sophomores:						
C175a	Modern Educational Problems —Administration and Organization of Special Education (July 22–Aug. 10)	2	4	D	FH	201	Nichols
C175g	Modern Educational Problems: Education of Handicapped Children (July 22–Aug. 10)	2	2	D	FH	201	Nichols
186	Visual Teaching	3	4	D	FH	3	Clifton
	The following courses open only to graduate students:						
200	Advanced Course in Philosophy of Education	3	2	D	E	231	Adams
205	Review of Current Educational Literature	3	1	D	FH	205	Williams
222	Methodology of Educational Research	3	3	D	McVH	107	Meece
227a	Principles of Curriculum Construction	3	4	D	E	222	Williams
230	Problems of Educational Sociology	3	4	D	E	231	Patrick
245	Organization of Audio-Visual Aids	3	3	D	FH	302	Starnes
	SECONDARY EDUCATION						
	The following course not open to freshmen and sophomores:						
105	Fundamentals of Secondary Education	3	1	D	E	222	Ligon
	The following courses open only to graduate students:						
214	The Secondary School	3	1	D	McVH	107	Crawford
232	High School Administration	3	2	D	E	222	Ligon
307a, b	Research Problems in Secondary Education	3	By	Appt.	E	114	Ligon

SECOND TERM—SUMMER SESSION 1940
COLLEGE OF COMMERCE

Course No.	Subject	No. Crs.	Hour	Days	Building	Room No.	Instructor
*3	Economic History of U. S.	3	2	D	WH	303	Bekker
7b	Principles of Accounting, Rec.	4	1	D	WH	306	Beals
	Principles of Accounting, Lab.		By	Appt.	WH		Beals
9	Forms of Business Organization	3	4	D	WH	303	Ketchum
13b	Secretarial Practice and Shorthand (Prereq., Eng. 13a and 13b and Com. 13a.)	3	1	D	WH	301	Fowler
14b	Advanced Secretarial Practice (Prereq., Com. 14a.)	3	3	D	WH	301	Liles
17b	Secretarial Practice and Typewriting (Prereq., Com. 17a.)	2	5	MTWTh	WH	301	Liles
104	Public Finance (Prereq., Com. 1.)	3	2	D	WH	103	Sullivan
109b	Business Law	3	4	D	WH	103	Haun
110	Business Cycles (Prereq., Com. 107.)	3	6	D	WH	401	Palmer
117	Corporation Finance (Prereq., Com. 17a, 17b, and 9.)	3	1	D	WH	303	Ketchum
125	Adv. Economic History	3	3	D	WH	303	Jennings
133	Income Tax Procedure (Prereq.. Com. 106a and 106b.)	3	2	D	WH	205	Haun
140	Advertising Campaigns (Prereq., Com. 11, Psy. 5 or consent of Instructor.)	3	2	D	WH	201	McIntyre
145	Problems in Office Management	3	2	D	WH	101	Guy
147	American Business Leaders	2	5	MTWTh	WH	303	Jennings
208	Advanced Economic Theory	3	4	D	WH	205	Sullivan

* Open to freshmen.

ORGANIZATION

UNIVERSITY OF KENTUCKY

Lexington, Kentucky

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

COLLEGE OF ARTS AND SCIENCES
Paul P. Boyd, Ph. D., Dean
Courses in Arts, Sciences, Journalism

COLLEGE OF AGRICULTURE
Thos. P. Cooper, B. S., Dean and Director
Courses in Agriculture and Home Economics
Experiment Station
Extension Division of Agriculture

COLLEGE OF ENGINEERING
James Hiram Graham, C. E., Dean

COLLEGE OF LAW
Alvin E. Evans, J. D., Dean

COLLEGE OF EDUCATION
William Septimus Taylor, Ph. D., Dean

COLLEGE OF COMMERCE
Edward Wiest, Ph. D., Dean

GRADUATE SCHOOL
William D. Funkhouser, Ph. D., Dean

SUMMER SESSION
Jesse E. Adams, Ph. D., Director

UNIVERSITY EXTENSION DEPARTMENT
Louis Clifton, M. A., Director