

of a proposal aimed at belief or action. The making of a formal brief. For a third hour of credit see provisions of English 208.

First semester upon demand. Two or three hours.

#### 208. PROBLEMS IN DEBATE. (Also listed as Speech 208.)

Class, conference, or individual study of some special techniques in college and public forensics. Suitable topics: indirect argument, refutation, techniques of persuasion, word connotation, campaign forensics.

Second semester upon demand. One hour. (Not allowed if included under 207.)

220. INTRODUCTION TO JOURNALISM. The functions of modern journalism, principles of gathering and writing simple news stories, practice in campus reporting, emphasis upon accuracy, clarity, and style—all copy to be typewritten. Class and laboratory.

Either semester upon demand. Three hours. (1942-1943)

222. ADVANCED EXPOSITION. Chiefly practice in writing, average of 500-800 words each week. Emphasis on current usages and style.

Either semester upon demand. Two or three hours. Prerequisite: English 102.

302. ENGLISH LANGUAGE. Origin and function of language. Ancestry, growth, and structure of the English language. Study of present vocabulary and usage, standards of correctness, lexicons, linguistic reforms. Individual student reports.

Second semester. Three hours.

### Literature

111. CHILDREN'S LITERATURE. (Also listed as Education 111.) A study and critical analysis of the most suitable stories and material in literature for children of the elementary grades as a basis for the appreciation, selection, and presentation of such material. Required for 30-hour and 60-hour certificates; not allowed to satisfy requirements for major.

First semester. Two hours.

201-202. SOPHOMORE ENGLISH. Literary Traditions and Masterpieces. A continuation of English 101-102, with decreased emphasis upon exposition. An examination of the cultural forces in the humanities as revealed in the great literary traditions and in individual masterpieces. Emphasis upon these streams of influence: Hebraic, classical, medieval romance and allegory, the renaissance, the age of satire, the romantic rebellion, the Victorian compromise, and modern eddies. At least two important works from each period must be studied intensively. The student is encouraged to develop his appreciation for different types of litera-

ture and for the qualities of life expressed in the various traditions studied and to make sound comparative judgments. Imaginative and critical papers form the writing assignments; student round table and panel conferences on modern literature allow for oral expression during the last month of the course.

Three hours, through the year.

303-304. AMERICAN LITERATURE. The main currents of American literature: the puritan influence, romanticism, realism, naturalism—with special attention to old world, frontier, national, and sectional forces. First half to Civil War; second half to the present, including concentrated study on one type of modern American literature during the last month of the course, the type chosen varying from year to year.

Three hours, through the year.

305. ENGLISH THOUGHT OF THE SIXTEENTH CENTURY. (Not offered in 1941-1942.)

307. BRITISH ESSAYISTS OF THE NINETEENTH CENTURY.

First semester. Three hours. (1942-1943)

308. BRITISH POETS OF THE NINETEENTH CENTURY. Paralleling in poetry English 307, with emphasis upon the romantic movement, and intended to develop an appreciation of modern poetic form as well as content. Individual authors, especially: Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Landor, Tennyson, the Brownings, the Rossettis, Morris, Meredith, Swinburne, Kipling.

Second semester. Three hours.

311. THE NOVEL IN ENGLISH. The function and form of the novel. Various phases of life revealed in this type of fiction. The beginnings, Defoe and Swift; Richardson, Fielding, Smollett, Sterne; the novel of sentiment, the Gothic novel, the historical novel, the novel of manners, Dickens and the novel of reform, the rise of the "realistic" novel. Representative readings, British and American.

First semester. Three hours.

313. FOREIGN LITERATURE IN TRANSLATION. First semester upon demand. Three hours. (1942-1943)

402. SHAKESPEARE'S TRAGEDIES. Reading of eight plays with special emphasis on Romeo and Juliet, Hamlet, Othello, Lear. An attempt to arrive at an appreciation of Shakespeare's dramatic and poetic powers and to recognize his depiction of universal truths of human nature.

Second semester. Three hours.

403. CHAUCER'S CANTERBURY TALES. A study of Chaucer's life and times, his language, his poetic and narrative



gifts. Readings in the original. Round table and student reports. First semester upon demand. Three hours. (1942-1943)

405. ENGLISH LITERATURE. 1660-1800. The development and decline of neo-classicism in England. Representative readings from Dryden to Burns: drama, prose and verse satire, lyric poetry, beginnings of prose style.

First semester (alternating with English 307). Three hours.

410. SPECIAL PROBLEMS. Independent study in a restricted field: readings, research, critical or creative writing. Admission by consent of department.

Either semester. Two or three hours.

420. INTEGRATING SURVEY. Review of major field. Required of all senior students in preparation for the comprehensive examination. Designed to unify the student's study of literature and the English language by private readings and conference and by group discussion and reports.

Second semester. Two hours.

## Speech

The primary aim of speech training is to increase the student's general effectiveness and serviceability through the exercise of practical coordination of heightened mental, emotional, vocal and physical qualities, and through the development of useful skills.

161. FUNDAMENTALS OF SPEECH I. A study of basic principles of speech as related to satisfactory human relationships. Cultivation of poise, forcefulness, self-mastery through responsive coordination of mind, body and voice. Pantomime. Diction. Practice in direct communication. Original short talks and selections from literature.

First semester. Two hours.

162. FUNDAMENTALS OF SPEECH II. Continuation of 161. Finding and assembling materials, construction, illustration, language. Analysis and criticism. Development of quick and accurate thinking before an audience. Practice in extempore speaking and in informal discussion.

Second semester. Two hours. Prerequisite: Course 161 or equivalent.

206. PUBLIC ADDRESS. Intensive study of elements of persuasion. Methods, materials, composition, personal factors for winning response from various audiences. Preparation of specific,

useful types of speeches for various occasions. Analysis of outstanding modern speeches. Lecture or oration as final assignment.

Second semester. Two hours. Prerequisite: Course 162. (1942-1943)

207. THEORY OF ARGUMENT. (See description under English.)

First semester, upon demand. Two or three hours.

208. PROBLEMS IN DEBATE. (See description under English.)

Second semester, upon demand. One hour. (Not allowed if included under 207.)

PRIVATE LESSONS. Public Speaking or Expression. Practical instruction and continual practice in reading or speaking. Individualized constructive criticism. Program building. Recitals or speaking opportunities. Open to students who show special aptitude in Speech and seek further skill. One or two lessons a week, thirty minutes each.

First and second semesters. One or two hours.

## Foreign Languages and Literatures

"Wer fremde Sprachen nicht kennt, weiss nichts von seiner eigenen."—Goethe.

The department provides courses to meet the requirement for a reading knowledge of one foreign language as indicated in the specific requirements for the Bachelor of Arts degree.

A major in French is offered, 24 hours beyond French 101, 12 hours of which must be 300 and 400 courses.

### French

101. ELEMENTARY FRENCH. Fundamentals of French grammar. Pronunciation. Phonetics. Vocabulary building. Simple composition.

First semester. Four hours.

102. ELEMENTARY FRENCH. Grammar continued. Emphasis on learning to read and on pronunciation. Development of oral and aural ability.

Second semester. Four hours. Prerequisite: French 101, or one unit of high school French.

201. INTERMEDIATE FRENCH. A review of grammar, composition, and conversation. Reading of French novels, dramas,



biographies, and essays. Collateral reading. Study of French civilization.

First semester. Three hours. Prerequisite: French 102, or two units of high school French. (1942-1943)

202. INTERMEDIATE FRENCH. Emphasis on reading and speaking knowledge. Free composition. Study of French civilization. Study of several works of leading French authors. Characteristics of period studied. Collateral reading.

Second semester. Three hours. Prerequisite: French 201, or its equivalent. (1942-1943)

301. SURVEY OF FRENCH LITERATURE. This course presents French literature before 1800, using a basic text such as "French Literature Before 1800," Michell and Bradley. Collateral reading, reports.

First semester. Three hours. Prerequisite: French 202, or its equivalent.

302. FRENCH LITERATURE OF THE NINETEENTH CENTURY. Basic text such as "French Literature of the Nineteenth Century," Bradley and Michell. Collateral reading, reports.

Second semester. Three hours. Prerequisite: French 202, or its equivalent.

303. FRENCH NOVEL. A study of the novel from the beginnings of the Romantic school to the present day. Collateral reading, reports.

First semester. Two or three hours. Prerequisite: French 202, or equivalent. (Not offered 1941-1942)

304. FRENCH DRAMA. A study of the drama from the classical period to the contemporary theater.

Second semester. Two or three hours. Prerequisite: French 202, or equivalent. (Not offered 1941-1942)

420. INTEGRATING COURSE IN FRENCH. This course is designed as a review in preparation for the comprehensive examination. Private readings, discussion and reports form the program of the seminar.

Second semester. One or two hours.

### German

101. ELEMENTARY GERMAN. Elements of grammar. Pronunciation. Vocabulary building. Simple composition and conversation.

First semester. Four hours. (Not offered in 1941-1942)

102. ELEMENTARY GERMAN. Continuation of the study of grammar. Oral and written composition and conversation. Emphasis on reading.

Second semester. Four hours. Prerequisite: German 101, or one unit of high school German. (Not offered in 1941-1942)

201. INTERMEDIATE GERMAN. Review of grammar. Oral and written composition. Introduction to German literature. Knowledge of the German people. Collateral reading.

First semester. Three hours. Prerequisite: German 102, or two units of high school German, or its equivalent.

202. INTERMEDIATE GERMAN. Conversation. Composition. Collateral reading. Reading of selected works representative of the most important writers of prose and poetry.

Second semester. Three hours. Prerequisite: German 201, or its equivalent.

### Spanish

101. ELEMENTARY SPANISH. Fundamentals of grammar. Stress is laid on pronunciation, vocabulary building, and a foundation for reading.

First semester. Four hours.

102. ELEMENTARY SPANISH. Continuation of Course 101. Stress is laid on the development of the reading ability. Conversation and dictation are emphasized.

Second semester. Four hours. Prerequisite: Spanish 101, or one unit of high school Spanish.

201. INTERMEDIATE SPANISH. Selected readings from representative writers. Grammar review and conversation. Collateral reading.

First semester. Three hours. Prerequisite: Two units of high school Spanish, or one year of college Spanish.

202. INTERMEDIATE SPANISH, (Continued). Dramas, novels, poetry of the eighteenth, nineteenth, and twentieth centuries. Collateral reading.

Second semester. Three hours. Prerequisite: Spanish 201, or equivalent.

### Latin

201. INTERMEDIATE LATIN. Advanced grammar and composition exercises. Reading of Latin prose including selections from Caesar's Gallic Wars.

First semester. Three hours. Prerequisite: Latin 102.



202. INTERMEDIATE LATIN. Reading of Cicero's orations. Study of Roman political institutions. Relation of the Latin language to the Latin civilization and its contribution to western civilization. Collateral reading.

Second semester. Three hours. Prerequisite: Latin 201.

301-302. VERGIL. Study of first six books of the Aeneid. Practice in metrical reading. Mythology.

Three hours, through the year. Prerequisite: Latin 202, or equivalent. Given upon sufficient demand.

## Division of Natural Sciences and Mathematics

### Biology

MAJOR: 24-40 semester hours, including at least 12 hours of 300 and 400 courses. General Chemistry is required of all majors, but may be waived under certain conditions. Organic Chemistry is recommended and a reading knowledge of French or German is highly desirable, especially if graduate work is contemplated. The following courses are required: 101, 102, 103, 104, 306, 420. With the permission of the head of the department pre-medical students may sometimes be permitted to substitute Course 404 for Course 306.

In planning a biology major it would be advisable to take one of the two general courses (Biology 101-102 and Biology 103-104) in the freshman year and the other in the sophomore year. An individual program will be worked out in the junior and senior years for each biology major.

101-102. GENERAL ZOOLOGY. A course dealing with the structure, functions and classification of animal life, and including fundamental principles and heredity.

Three hours, through the year. Two lectures and one laboratory period. No prerequisites are required for this course.

103-104. GENERAL BOTANY. The structure, functions and classification of plant life, with special reference to heredity and economic importance.

Three hours, through the year. Two lectures and one laboratory period. No prerequisites are required for this course.

301. PHYSIOLOGY. This course emphasizes the functions of the human body including circulation, respiration, digestion, foods and nutrition, hormones, nervous system, reproduction.

First semester. Three hours. Two lectures and one laboratory period. Prerequisites: Biology 102, or Chemistry 102, or consent of the instructor.

302. BACTERIOLOGY. A study of typical forms of non-pathogenic and pathogenic bacteria.

Second semester. Three hours. One lecture and two laboratory periods. Prerequisites: Biology 104, or Chemistry 102, or consent of the instructor.

303. ENTOMOLOGY. A study of anatomy life history, classification and economic importance of insects.

Three hours. While offered only in summer school, one or two hours of work may be arranged for during the regular term. Two lectures and one laboratory period. Prerequisite: Biology 102, or consent of the instructor.

304. TREES, SHRUBS. Aesthetic and practical aspects of tree and shrub culture. Study of woody plants. Introduction to landscape design.

Summer term. Three hours. Two lectures and one laboratory period. Prerequisite: Biology 104, or consent of the instructor.

305. MORPHOLOGY OF THE FUNGI. A study of the various kinds of fungi, with special reference to those which are economically important.

First semester. Four hours. Two lectures and two laboratory periods. Prerequisite: Biology 104, or consent of the instructor. (1942-1943)

306. MORPHOLOGY OF THE SEED PLANTS. A survey of the important families of the seed plants.

Second semester. Four hours. Two lectures and two laboratory periods. Prerequisite: Biology 104, or its equivalent, or consent of the instructor.



308. **COMPARATIVE ANATOMY.** A course on the comparative anatomy of vertebrates, with detailed laboratory dissections of squalus, necturus, and cat. This course is designed mainly for pre-medical students, and alternates with Biology 404.

Second semester. Four or five hours with additional laboratory work. Two lectures and two laboratory periods. Prerequisite: Biology 102.

401. **GENETICS.** A study of the fundamental principles of inheritance and the application of these principles to plants and animals, particularly man.

First semester. Three hours. Two lectures and one period of discussion and problems. Prerequisite: Biology 102 or 104, or consent of the instructor.

403. **MICROTECHNIQUE.** A study of the paraffin technique particularly with reference to plant tissues. Various aspects of cytology will be studied including cell structure, inclusions, mitosis, chromosomes and meiosis.

First semester. Three hours. One lecture and two laboratory periods. Open only to biology majors. Will not be offered to less than four students.

404. **EMBRYOLOGY.** A course dealing with the development of the embryo of representative forms, chiefly vertebrates and dealing particularly with the maturation of the germ cells, fertilization, segmentation, formation of the germ layers and development of organs. Laboratory work will be upon invertebrates, lower invertebrates, frog, chick, and pig embryo. This course is designed primarily for pre-medical students and is offered every other year, alternating with Biology 308.

Second semester. Three or five hours. Two lectures and one laboratory period if taken on the three-hour level. Additional laboratory work is required of those taking the course for five hours of credit. Prerequisite: Biology 102. (1942-1943)

410. **SPECIAL PROBLEMS COURSE.** Open to biology majors in their senior year. The purpose of this course is to give qualified students an opportunity to undertake research problems in special fields of biology.

First or second semester. Two or three hours.

420. **INTEGRATING COURSE IN BIOLOGY.** The purpose of this course is to integrate the fields of biological science. The seminar method is employed and topics assigned for discussion.

First or second semester, or both. One or two hours.

## Chemistry

The program of the department of Chemistry, planned in accordance with the institutional aims of the University (see pages 8-9), is arranged particularly to meet the needs of the following three types of students:

First, the program is planned for the student who is "the citizen to be." This student should receive an adequate understanding of the field of knowledge known as science as part of his preparation for whatever field of endeavor he may enter during his mature life. Chemistry 101-102 is a general chemistry course in the true sense of the word, and is designed specifically for this type of student.

Second, the program is for the pre-professional student who plans to enter such professions as medicine, home economics, dentistry, nursing, and medical technology. In addition to an introduction to chemistry in Chemistry 101-102, this student is given an opportunity to make a more intensive study of those branches of chemistry which are most closely related to his profession with Courses 201 and 202. These courses include a study of organic chemistry and quantitative analysis.

Third, the program considers the student whose objective is to enter a profession such as chemical engineering or the teaching of chemistry which requires a thorough mastery of the major fields of chemistry, or the student who wishes to continue the study of chemistry in a graduate school. This student will round out his study of chemistry with Chemistry 301-302 which concentrates on inorganic chemistry and qualitative analysis and with Chemistry 401-402. In addition he may select one or more optional courses (Chemistry 310, 320, or 410) to fit his particular needs.

The student who majors in chemistry under this program will receive a training which is equal to the standard set by the better universities and colleges. The order in which he is introduced to the various fields of chemistry may differ slightly from that given in other universities, but the program as a whole is balanced and standard. Students transferring from other schools can make satisfactory adjustment in their program of study, especially because of the somewhat flexible nature of the advanced and optional courses.

**MAJOR:** Twenty-four semester hours of chemistry courses (not including Chemistry 101-102), General Physics, and Calculus. Students planning to continue the study of chemistry in a graduate



school are strongly advised to attain a reading knowledge of German and French.

**101-102. INTRODUCTION TO CHEMICAL SCIENCE.** A general course in chemistry which constantly emphasizes the basic characteristics of science through a study of the most important aspects of all chemistry. Theoretical, factual, both inorganic and organic, analytical, and applied chemistry is studied. This is a course for students whose interest is economic, literary, historical, philosophical, or sociological. It is a cultural course for the liberal arts student. At the same time it serves as an excellent foundation for the student who continues his study of chemistry beyond this course. The subject will be presented by means of lectures, recitations, laboratory demonstrations, field trips, and work in the laboratory.

Students who plan to enroll for chemistry courses beyond the first year course are strongly urged to enroll for Mathematics 101-102 along with Chemistry 101-102.

Students who have had a satisfactory high school course in chemistry (which will be determined by means of the American Council on Education Cooperative Chemistry Test) may request permission from the head of the department to begin their study of chemistry with Chemistry 201-202 instead of 101-102.

Four hours, through the year. Two lecture and recitation periods and two laboratory periods. Textbook: Deming's "Fundamental Chemistry."

**201. ELEMENTARY ORGANIC CHEMISTRY.** This course includes a study of the essentials of aliphatic and aromatic organic chemistry, the most important types of compounds, and their significant reactions. The laboratory work involves a study of the properties and the syntheses of organic compounds.

First semester. Five hours. Three lectures and two laboratory periods. Prerequisite: Chemistry 101-102, or a satisfactory high school course in chemistry.

**202. ELEMENTARY QUANTITATIVE ANALYSIS.** A course in the theory and practice of volumetric and gravimetric quantitative analysis and some of the more important physico-chemical methods of analysis such as colorimetry and potentiometry.

Second semester. Five hours. Three lectures and two laboratory periods. Prerequisite: Chemistry 101-102 and Mathematics 101.

**301-302. INORGANIC QUALITATIVE ANALYSIS.** This course includes both the theory and practice of qualitative analysis and

descriptive inorganic chemistry. The analysis of the common cations and anions is studied, using the semimicro method of analysis.

Three hours, through the year. One conference and two laboratory periods. Prerequisite: Chemistry 202.

**310. ORGANIC CHEMISTRY.** This is a continuation of Chemistry 201 and includes the making of organic preparations and qualitative organic analysis. Chemistry 201 and 310 (five hours credit) together constitute the usual year course in organic chemistry.

Either semester. Three to five hours. One conference and two to four laboratory periods. Prerequisite: Chemistry 201. Offered upon demand.

**320. QUANTITATIVE ANALYSIS.** This is a continuation of Chemistry 202 and includes the calibration of equipment and the analysis of such materials as limestone, steel, brass, and apatite.

Either semester. Three to five hours. One conference and two to four laboratory periods. Prerequisite: Chemistry 202. Offered upon demand.

**401-402. ADVANCED CHEMISTRY.** This course for chemistry majors is essentially the usual course in physical chemistry with appropriate laboratory work, together with a brief study of the literature and history of chemistry and a survey of the various fields of chemistry as preparation for comprehensive examinations. (This arrangement is offered in place of a separate Integrating Course.)

Six hours, through the year. Lectures, conferences, and two laboratory periods to be arranged. Prerequisite: Chemistry 301-302, General Physics, and Calculus. Textbook: Getman and Daniels's "Outlines of Theoretical Chemistry."

**410. SPECIAL PROBLEMS IN CHEMISTRY.** This course, open to senior chemistry majors, may involve either a library research problem terminating in a thesis or a laboratory research problem, including a written report, on the under-graduate level.

Either semester. Two or three hours. Prerequisite: Recommendation by the head of the department.

## Mathematics

**MAJOR:** Twenty-four semester hours in the department, including 12 hours from courses numbered 300 or above. General Physics is also required, and further work in physics or chemistry is recommended.



101-102. **GENERAL MATHEMATICS.** A comprehensive course in Algebra, Trigonometry, and Analytic Geometry, designed to give the student a working knowledge of these fields and also to consider the nature and significance of mathematics.

Four hours, through the year.

201-202. **DIFFERENTIAL AND INTEGRAL CALCULUS.** A course in the fundamental theory of the calculus and its applications to physics and engineering.

Four hours, through the year. Prerequisite: Mathematics 101-102.

301. **MATHEMATICAL STATISTICS.** This course develops the principles of statistical theory, and applications are made to the analysis of statistical data.

First semester. Three hours. Prerequisite: Mathematics 201-202. (1942-1943)

304. **THEORY OF EQUATIONS.** An extended study of the solution of various types of algebraic equations, and the study of determinants.

Second semester. Three hours. Prerequisite: Mathematics 201-202. (1942-1943)

401. **THEORETICAL MECHANICS.** A rigorous treatment of statics and dynamics, with special emphasis on the solution of problems.

First semester. Three hours. Prerequisite: Mathematics 201-202 and Physics 201-202. Given with the physics class in Mechanics.

402. **DIFFERENTIAL EQUATIONS.** A study of the methods employed in solving ordinary differential equations, and their applications to geometry and physics.

Second semester. Three hours. Prerequisite: Mathematics 201-202.

410. **SPECIAL PROBLEMS IN MATHEMATICS.** Study of special problems, or of supplementary fields in mathematics, supervised through conferences.

Either semester. Three hours. Prerequisites: Mathematics 201-202, and the permission of the instructor.

420. **INTEGRATING COURSE IN MATHEMATICS.** Readings, lectures, and cooperative study of mathematical topics in order to attain a comprehensive view of the major field. A mathematics seminar.

One hour, through the year.

## Physics

**MAJOR:** Twenty-four semester hours in the department, including 12 hours from courses numbered 300 or above. Students majoring in physics must take Calculus, and further work in mathematics or chemistry is recommended, especially in Mathematics 402.

201-202. **GENERAL PHYSICS.** A thorough course in the fundamentals of mechanics, heat, electricity and magnetism, sound, and light, designed to give some appreciation of the scientific method as well as to give the basic training for technical students.

Four hours, through the year. Three lectures and one laboratory period.

301. **ELECTRICITY AND MAGNETISM.** An advanced course in the theory of electricity and magnetism, and a study of electrical circuits.

First semester. Three hours. Two lectures and one laboratory period. Prerequisite: Physics 201-202 and Mathematics 201-202. (1942-1943)

302. **PHYSICAL OPTICS.** A study of the nature and properties of light, with some work on the design of optical instruments.

Second semester. Three hours. Two lectures and one laboratory period. Prerequisite: Physics 201-202. (1942-1943)

401. **THEORETICAL MECHANICS.** A rigorous treatment of statics and dynamics, with special emphasis on the solution of problems.

First semester. Three hours. Prerequisite: Mathematics 201-202 and Physics 201-202.

405. **ATOMIC PHYSICS.** An introduction to the theory of atomic structure, and a survey of recent developments in modern physics.

First semester. Three hours. Prerequisite: Physics 201-202 and Mathematics 201-202, or permission of the instructor.

406. **RADIO COMMUNICATION.** A study of vacuum tubes and their associated circuits, and a short study of applied acoustics.

Second semester. Three hours. Two lectures and one laboratory period. Prerequisite: Physics 201-202.

410. **SPECIAL PROBLEMS IN PHYSICS.** The study of special problems in the field of physics, supplementary to curricular offerings, supervised through conferences.

Either semester. Three hours. Prerequisite: Physics 201-202, and the permission of the instructor.

420. **INTEGRATING COURSE IN PHYSICS.** Comprehensive survey of the field of physics for majors, by reading, lectures, and cooperative study. A physics seminar.

One hour, through the year.



# Division of Social Sciences

## History

MAJOR: Twenty-four semester hours in the department.

101-102. INTRODUCTION TO WESTERN CIVILIZATION. A general survey of the history of western civilization with emphasis upon the contributions made by various groups from the time of primitive man to the present. Ancient civilizations; the social and economic phases of medieval society; the growth of the papacy; renaissance and reformation; intellectual, social, economic, religious, and political trends in the modern world.

Three hours, throughout the year.

104. GEOGRAPHY. Physical geography as a background for the political and economic development of peoples. The political pattern of the world. Geographical features of various regions. The physical elements. The economic phases of development. The human elements.

Second semester. Three hours.

201-202. AMERICAN HISTORY. Early settlement of Spain, France, and Britain in the New World. English colonial policy and the revolution. The making of the constitution. The Federalist system. Jeffersonian era. Rise of Jacksonian democracy, slavery, and national expansion. The Civil war and reconstruction. Emergence of big business, imperialism, and modern social problems. The United States and the World war. Prosperity and depression. The Rooseveltian era. A survey of a wide range of facts and a varied literature dealing with the period.

Three hours, throughout the year.

303. ENGLISH HISTORY TO 1783. A study of the main trends of English development to 1783. The contributions of Anglo-Saxon England. The Norman invasion. Tudor absolutism. The development of the parliamentary form of government. The economic, social, and religious expansion of the English people.

First semester. Three hours.

304. MODERN ENGLAND AND THE BRITISH COMMONWEALTH SINCE 1783. A study of modern England, the evolution from governance to self-government in the dominions. The English

reform bill of 1832. Victorian England. Emergence of modern England. Post war conditions. Ireland, Canada, Australia, India. The position of the commonwealth in the present world.

Second semester. Three hours.

305. WORLD POLITICS. A study of the problems which develop in international life from nationalism, imperialism, race conflicts, and political theories. The background of international relations. The situation in Europe. Dictatorship and communism. Latin America. The United States in world affairs.

First semester. Three hours. (1942-1943)

306. ECONOMIC HISTORY OF THE UNITED STATES. Development of colonial economic life. Westward expansion and its influence on the economic life of the nation. Agriculture. The development of industry. Big business and the government. The depression government and industry since 1930.

Second semester. Three hours. Credit in either History or Economics. (1942-1943)

401. MEDIEVAL EUROPE. The decline of the Roman Empire. The Roman Empire in the East. The Germanic barbarians. The Christian Church in the Middle Ages. The Frankish State. Mohammedanism. Feudal civilization. The Renaissance. Growth of national states. The Reformation.

First semester. Three hours.

402. MODERN EUROPEAN HISTORY SINCE 1789. A comprehensive view of European events during the nineteenth and twentieth centuries. The industrial revolution. Causes and results of the French revolution. The age of Napoleon. Revolutionary movements of 1830 and 1848. Growth of liberalism, socialism, and nationalism. The causes of the World war. The Peace of Versailles and the problems of present day Europe.

Second semester. Three hours.

403. THE FAR EAST. A study of the life and thought of modern China and Japan in the light of their historical and cultural backgrounds. Their emergence as members of the family of nations. Their changing ideas and concrete developments in the economic, educational, political, religious, and social realms. The present situation in the orient.

First semester. Three hours. (1942-1943)

## Political Science

205. AMERICAN GOVERNMENT. The background and basis of American government. Federal and State constitutions. The



party system. The Federal government. State government. Municipal and local administration. The American philosophy of government.

First semester. Three hours.

403. **COMPARATIVE GOVERNMENT.** A study of the most important features of the governments in the principal European states. The comparative method is used with constant reference to the government of the United States. Governments studied include those of England, France, Germany, Italy, Soviet Russia, and Japan.

First semester. Three hours. (1942-1943)

404. **INTERNATIONAL LAW.** Determination of the foundations upon which the great mass of international rules and customs have been based. Influence of the League of Nations and the World Court. International laws dealing with sovereignty, nationality, war, recognition of states. Case method used.

Second semester. Three hours. (1942-1943)

410. **SPECIAL READINGS COURSE.** Three hours credit is given in the senior year to students who, on the recommendation of the instructor, pursue independent study in a field of either history or government.

420. **HISTORY AND POLITICAL SCIENCE SEMINAR.** A course integrating the fields of history as a preparation for the comprehensive examinations. Schedule of classes to be arranged at convenience of students.

Second semester. Two hours.

## Economics and Commerce

**MAJOR:** Twenty-four hours including Economics 201-202.

201-202. **PRINCIPLES OF ECONOMICS.** A general course dealing with the production, consumption, distribution, and exchange of wealth, together with questions relating to value, interest, profits, wages, rents, and an introductory survey of the principles of money, banking, trusts, tariffs, etc.

The second semester defines and discusses current economic problems. Individual topics and term papers are assigned for special individual study.

Three hours, through the year.

203-204. **ACCOUNTING.** Theory and practice of modern

accounting; statements, books of account, entries, etc. Open to freshmen with special permission.

Three hours, through the year.

302. **LABOR ECONOMICS.** A course dealing with the problems of the modern industrial organization in respect to labor, such as labor legislation, the history and politics of organized labor, methods of industrial remuneration, hours of work, industrial insurance, labor disputes, and methods of settlement.

Second semester. Three hours. Prerequisite: Economics 201-202. (1942-1943)

303. **PRINCIPLES OF MARKETING.** The marketing functions, transportation, assembling, storage, trade channels, cost, cooperative marketing, structures and agencies, types of middlemen, and current marketing practices.

First semester. Three hours. Prerequisite: Economics 201-202. (1942-1943)

306. **ECONOMIC HISTORY OF THE UNITED STATES.** (See description under History.)

Second semester. Three hours. Credit in either Economics or History. (1942-1943)

401-402. **BUSINESS LAW.** The intention is to give the student an understanding of legal rules governing the more familiar business transactions and relations. Text and cases involving contracts, agency, sales, negotiable instruments, private property, and bankruptcy are considered.

Three hours, through the year. Prerequisite: Economics 201-202.

403. **CORPORATION FINANCE.** Detailed discussion of various types of stocks, bonds, and notes; corporate promotion; marketing of corporate securities through investment bankers, syndicates, and stock exchanges; management of corporation finances; reorganization.

First semester. Three hours. Prerequisite: Economics 201-202.

406. **PERSONNEL MANAGEMENT.** General survey of internal problems of business management of labor. Study of current business practices as a basis for determining fundamental principles that underlie a comprehensive system of personnel administration.

Second semester. Three hours. Prerequisites: Principles of Economics 201, 202, and 403.

420. **ECONOMICS-SOCIOLOGY SEMINAR.** A course integrating the fields of Economics and Sociology as a preparation for the comprehensive examinations. Schedule of classes to be arranged. Open only to seniors majoring in one or the other of these fields.

Second semester. Two hours.



### Secretarial Science

By special arrangement, any regular student of Ottawa University may take courses at the Ottawa Business College at fees much less than those usually prevailing. We list below the two courses most in demand.

For information on additional courses consult the Department of Commerce.

11-12. **TYPEWRITING.** (No college credit.) Instruction and practice in mastery of keyboard by "touch" method and problems of typewriting for personal and vocational use. Hours to be arranged. Both semesters.

13-14. **STENOGRAPHY.** (No college credit.) Instruction and practice in the use of the Gregg system of shorthand, mastering the principles, and securing accuracy and speed in taking dictation and transcribing notes. Hours to be arranged. Both semesters.

## Sociology

**MAJOR:** Twenty-four hours including Sociology 201-202.

201-202. **PRINCIPLES OF SOCIOLOGY.** The development of society and social institutions. Factors that have contributed to cultural progress. A brief study of our social institutions and social customs. Races and their differences. Assimilation and social progress.

Three hours, through the year.

301. **SOCIAL PATHOLOGY.** Designed to deal with human mal-adjustments and to study their nature, causes, and remedial measures.

First semester. Three hours. Prerequisite: Sociology 201-202, or equivalent. (1942-1943)

302. **CONTEMPORARY SOCIAL MOVEMENTS.** The major social movements as they affect modern society. Causes of unrest and the results of the movements. Reforms in government, education, industry, religion, and the home. Public welfare and relief movements.

Second semester. Three hours. Prerequisite: Sociology 201-202.

306. **THE SOCIOLOGICAL INFLUENCE OF CHRISTIANITY.** (See description under Religion.)

Second semester. Three hours. Prerequisite: Sociology 201-202. Credit in either Sociology or Religion.

401. **RURAL SOCIOLOGY.** A study of rural organizations and institutions; the rural problem of health, religious life, recreation and social life. Likewise, a consideration is made of the village and its future improvement.

First semester. Three hours. Prerequisite: Sociology 201-202. (1942-1943)

402. **URBAN SOCIOLOGY.** The geographical setting, structural characteristics, functions, personality types, and pathologies of the modern city.

Second semester. Three hours. Prerequisite: Sociology 201-202. (1942-1943)

404. **THE FAMILY.** Basis of the family in biology, psychology, economics, law, religion, and convention; contemporary problems such as divorce, eugenics, social hygiene, and feminism.

Second semester. Three hours. Prerequisite: Sociology 201-202. (1942-1943)

405. **JUVENILE DELINQUENCY.** A general survey of the causes of delinquency including physical and mental traits, social backgrounds, truancy, correctional methods in the juvenile court and institutional care. Preventive programs and the results of treatment including the National Youth Movement and other recent social legislation.

First semester. Three hours. Prerequisite: Sociology 201-202.

406. **CRIMINOLOGY.** The historical development of theories of crime, and the programs evolved to deal with the problems of crime and punishment.

Second semester. Three hours. Prerequisite: Sociology 201-202. (1942-1943)

420. **SOCIOLOGY-ECONOMIC SEMINAR.** A course integrating the fields of Sociology and Economics as a preparation for the comprehensive examinations. Schedule of classes to be arranged. Open to seniors only, who are majoring in one or the other field.

Second semester. Two hours.

## Physical Education

**MAJOR:** Twenty-four hours in the department including Course 301. A second major will also be required.

### Courses Open to Both Men and Women

203. **PLAYGROUND SUPERVISION.** Historical background of play. Theory of play. Administration of play. Playground plans.

First semester. Three hours.



204. **HYGIENE AND FIRST AID.** Study of the systems of the body and care for disorders. Contagious diseases. Principles of first aid.

Second semester. Three hours.

301. **PHYSIOLOGY.** (See Biology 301.)

302. **BACTERIOLOGY.** (See Biology 302.)

420. **INTEGRATING COURSE** in Physical Education. One hour, through the year.

### Courses for Women

103-104. **FRESHMAN PHYSICAL EDUCATION.** Classification tests given to entering students in six fields: posture, individual sports, team sports, fundamentals, hygiene, and swimming. Students fulfilling requirement may elect activities, others will take training in the six fields.

Required of all freshmen. Meets three times a week, one lecture and discussion period and two activity periods.

Two hours, through the year.

201-202. **SOPHOMORE PHYSICAL EDUCATION.** Apparatus, folk dancing, individual sports, team sports, swimming. Meets three times a week. Required of all sophomores without credit for year 1941-1942.

208. **ADVANCED SWIMMING.** Perfection of diving and strokes. Life saving tests. Water sports and pageants.

Second semester. Meets twice a week with one hour credit.

311-312. **THEORY OF GIRLS' ATHLETICS.** History of sports for girls. Principles of coaching. Educational, physical, and social results of sports. Elementary and secondary athletics. College sports.

Three hours, through the year.

403. **ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.** Comparisons of systems of America, Denmark, Finland, England, Germany, Sweden. Policies and objectives. Health service. Individual needs. Development of leadership.

First semester. Three hours. Prerequisite: Course 203.

### Courses for Men

103-104. **INTRAMURAL SPORTS AND GYMNASTICS.** Theory and practice of gymnasium activities and intramural sports—particularly those with "carry-over" or adult recreational value. Includes calisthenics, marching drill, apparatus work, tumbling,

pyramid building, golf, tennis, volleyball, table tennis, badminton, paddle tennis, wrestling, boxing, swimming. Also spectator information on football, basketball, baseball, and track.

Required of all freshmen. Meets three times a week, one lecture and two practice periods. Two hours, through the year.

Men who plan to coach and teach Physical Education may take above course for three hours of credit each semester. Added reading assignments and emphasis on teaching and direction of the above activities.

401. **COACHING FOOTBALL AND ATHLETIC CONDITIONING.** Individual technique and team play in football. Emphasis on fundamentals, coaching methods and psychology. Training methods and prevention and treatment of injuries.

First semester. Three hours.

402. **COACHING BASKETBALL AND TRACK.** Individual technique and team competition in basketball and track. Planning practices and schedules. Financing athletics. Public relations.

Second semester. Three hours.

## Division of Religion, Philosophy, and Education



### Religion and Philosophy

Students are advised to offer either 101-102 or 201-202 in fulfillment of the requirement in this department.

**MAJOR:** Twenty-four semester hours selected in consultation with the head of the department.

101-102. **AN INTRODUCTION TO RELIGION AND PHILOSOPHY.** A survey course designed to give the beginning student an understanding and appreciation of the part which Religion and Philosophy have played in the development of civilization and of life today. Special emphasis is placed on the contribution of the



Hebrew-Christian religion and of its inter-connection with philosophical thought during certain significant historical periods. The main problems of life and reality are studied together with the ways in which Religion and Philosophy have sought their solution.

Three hours, throughout the year.

**201. THE LIFE AND BELIEF OF THE OLD TESTAMENT.**

A study of the development of the religious consciousness of the Hebrew people in the light of the political and cultural life of the time. Special study is made of the form and content of the prophetic literature and of its contribution to the Hebrew-Christian religion.

First semester. Three hours.

**202. THE LIFE AND BELIEF OF THE NEW TESTAMENT.**

A study of the rise of Christianity with special reference to the life and teachings of Jesus and of the Apostle Paul in the light of the political and cultural life of the time. The growth of the New Testament literature is considered in its relation to the expansion of the Christian church during the Apostolic period.

Second semester. Three hours.

**301. CHRISTIANITY OF THE MIDDLE AGES AND THE REFORMATION.** A study of the course of Christianity in Europe in the light of the political and cultural life from the rise of the Catholic Movement through the period of the Reformation. Scholasticism, mysticism, humanism, and the Renaissance are considered with reference to their effect upon Christian life and belief.

First semester. Three hours. Advisable prerequisite: 101-102 or 201-202. (1942-1943)

**302. CONTEMPORARY CHRISTIANITY.** The development of Christianity since the Reformation. An appreciative survey of modern denominations and churches with particular reference to their origins, government, teachings, and special contributions. The history of Christianity in America. The role of the churches of America in contemporary life and society.

Second semester. Three hours. Prerequisite: Religion 301. (1942-1943)

**305. CHRISTIAN LEADERSHIP.** This course is designed to help young people to appreciate and understand the Christian church in its contemporary purposes, functions, and relationships so that they may make their own contribution to a definition of its aim and task and may intelligently and effectively participate in its program of activity.

First semester. Three hours. Desirable prerequisite: an introductory course in Religion and some experience in church activities.

**306. THE SOCIOLOGICAL INFLUENCE OF CHRISTIANITY.** A study of the social teachings of Jesus and of the social and

ethical teachings of the early Christian Church. The growth of Christian influence in the life and thought of Europe during the Middle Ages. The social effect of the Reformation. The social influence of Christian movements in the modern world.

Second semester. Three hours. Prerequisite: Sociology 201-202. Credit in either Religion or Sociology.

**401. FOUNDERS OF PHILOSOPHY.** A study of the life and works of the philosophers who have made a permanent contribution to the development of philosophical thought from the Ancient Greek period to the present day. Materialism, Idealism, Pragmatism, Intuitionism and Neo-Realism are considered with reference to their influence in the life and thought of the modern world.

First semester. Three hours.

**402. THE PHILOSOPHY OF RELIGION.** A comprehensive view of the meaning and significance of religion. Religious experience is considered from the social, psychological, mystical, and philosophical points of view. The development of religion in the modern world is presented.

Second semester. Three hours. Prerequisite: Religion 401. (1942-1943)

**404. ETHICS.** A survey of the chief types of ethical theories. Fundamental problems of conduct. Principles of Christian conduct. Current personal, political, and social problems are reviewed in the light of ethical theory.

Second semester. Three hours. Prerequisite: Religion 401.

**406. LOGIC.** A study of the process of reflection including the nature of formal reasoning, the scientific method, the criteria involved in correct thinking.

Second semester. Three hours.

## Education

Courses in education and psychology meet Kansas teacher certificate requirements as stated on page 35.

**111. CHILDREN'S LITERATURE.** (See description under English.)

First semester. Two hours. Required for 30-hour and 60-hour certificates.

**104. GEOGRAPHY.** (See description under History.)

Second semester. Three hours. Required for the 30-hour and 60-hour certificates.



203. **PLAYGROUND SUPERVISION.** (See description under Physical Education.)

First semester. Three hours. Required for the 30-hour and 60-hour certificates.

204. **HYGIENE AND FIRST AID.** (See description under Physical Education.)

Second semester. Three hours. Required for the 30-hour and 60-hour certificates.

205. **ESSENTIALS OF READING.** This is a course designed to study the nature of the reading process, the problems related to the various levels of reading achievement, the materials related thereto, and some of the specific techniques for the teaching of reading. Two lectures are correlated with the course in Psychology of Reading. One conference each week will be conducted with reference to special problems in the teaching of reading in the grade school.

First semester. Three hours. Required for the 60-hour certificate.

206. **METHODS OF TEACHING ELEMENTARY SCHOOL SUBJECTS.** This course is designed to help the prospective teacher to formulate objectives, evaluate devices and techniques, and analyze outcomes in elementary school teaching.

Second semester. Three hours. Required for the 30-hour and 60-hour certificates.

207. **ELEMENTARY SCHOOL ART.** (See description under Art.)

First semester. Two hours. Required for the 60-hour certificate.

211-212. **GRADE SCHOOL MUSIC.** (See description under Music.)

Three hours, through the year. Required for the 60-hour certificate. Credit in either Education or Music.

220. **OBSERVATION AND PARTICIPATION.** Students enrolled for this course will observe and participate in rural school work.

Second semester. Two hours. Required for 30-hour certificate.

221. **OBSERVATION AND PARTICIPATION.** This course presupposes two hours of observation in the elementary schools. It treats mechanics of class management, instructional materials, methods, and discipline.

First semester. Two hours. Required for the 60-hour certificate.

222. **OBSERVATION AND PARTICIPATION.** This course is one of directed observation and supervised teaching in the elementary schools. Follows Education 221.

Second semester. Three hours. Required for the 60-hour certificate.

304. **SCHOOL ADMINISTRATION.** This course involves a study of the nature and function of the schools in a democratic society; school laws and practices; and some of the problems pertaining to school equipment, finance, and personnel.

Second semester. Three hours. Required for the 120-hour certificate.

305. **PSYCHOLOGY OF READING.** This is a course which undertakes the study of the psychological factors involved in the reading process, the development of reading skills, and the diagnosis and treatment of reading difficulties. It parallels the course in Essentials of Reading, but the class will meet separately one day a week to undertake specialized problems and techniques.

First semester. Three hours. Elective.

306. **METHODS OF TEACHING IN THE SECONDARY SCHOOL.** This course is designed to help the prospective teacher to formulate objectives, evaluate devices and techniques, and analyze means of measuring outcomes in secondary school teaching.

Second semester. Three hours. Elective.

308. **GUIDANCE IN THE SCHOOLS.** This course is designed to study the nature and function of guidance, special techniques, devices, and practices in the field.

Second semester. Three hours. Elective. (1942-1943)

313-314. **HIGH SCHOOL MUSIC.** (See description under Music.)

Two hours, through the year. Elective. Credit in either Education or Music.

322. **PRACTICE TEACHING.** This course is a supervised unit of observation and participation in the class room integrated with a study of problems pertinent to the class room situation. This course is open to seniors having completed nine hours of work in education and psychology, who have maintained an average of C in college work and an average of C plus (1.2 grade points) in their major field.

Second semester. Three hours. Required for the 120-hour certificate.



## Psychology

**201. GENERAL PSYCHOLOGY.** This is an introductory course to the general field of psychology, stressing the nature and function of personality. It is designed to help analyze personal limitations and proficiencies.

First semester. Three hours. Required for 30-hour, 60-hour, and 120-hour teaching certificates.

**202. MENTAL HYGIENE.** The purpose of this course is to survey factors accounting for individual differences and to apply the principles of mental health to personal welfare.

Second semester. Three hours. Elective.

**204. CHILD PSYCHOLOGY.** This course treats the major aspects of the growth and development of the child. It analyzes stimulating situations and factors leading to personality development in children.

Second semester. Three hours. Elective. (1942-1943)

**301. EDUCATIONAL PSYCHOLOGY.** The major problem of this course pertains to the nature of the learning process and such related factors as: maturation, intelligence, motivation, and individual differences.

First semester. Three hours. Required for 120-hour certificate.

## Division of Fine Arts

### Music

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF MUSIC will be found listed in detail on page 32 of this catalogue.

A MAJOR IN MUSIC FOR THE DEGREE OF BACHELOR OF ARTS consists of the following courses:

107-108 Harmony .....	6 hours
201-202 Harmony .....	4 hours
301-302 Music History and Literature .....	6 hours
303-304 Form and Analysis .....	4 hours
Applied Music (exclusive of any organization activity).....	6 hours

### Courses of Study

Not more than eight hours in applied music will be credited toward the degree of Bachelor of Arts unless balanced by an equal amount of additional theory. A maximum of twelve hours may then be allowed.

Candidates for the state certificate to teach music with other branches should major in music for the Bachelor of Arts degree, including Music Courses 211-212, 311-312, and 313-314 among their electives, besides meeting the general state requirements.

### Description of Courses

Credit is granted for work in applied music on the basis of two hours for 18 lessons satisfactorily completed, and each course as numbered below represents that amount of work. More than one lesson in a subject may be taken each week, provided that the normal hour-load is not exceeded.

All music major students must be able to play simple accompaniments on the piano.

All students entering first year music theory courses must pass an entrance examination in the fundamentals of music.

The courses listed below may be varied according to the needs of each individual student.

Elementary courses in piano, violin, and voice are available. Credit will not be given for such preparatory work.

A modern three-manual organ in an Ottawa church is available for organ practice at 25c an hour.

Private lessons are of class hour duration, i. e., fifty minutes.

Lessons missed by the student will not be made up.

Lessons falling on a school holiday will not be made up.

### Organ

231-232-233-234. Prerequisite: Piano 124. Stainer. The Organ; Best, the Art of Organ Playing; Bach, Little Preludes and Fugues; Easier works of Mendelssohn, Guilmant, and other old and modern masters.

331-332-333-334. Prerequisite: 234. Schneider, Pedal Studies; preludes and fugues by Bach and Mendelssohn; sonatas by Mendelssohn, Guilmant, and others; modern pieces; accompanying of solo and chorus; transcribing for organ.



431-432-433-434. Prerequisite: 334. Difficult preludes and fugues; large sonatas and concert pieces by Widor, Guilmant, Franck, Vierne, and others; playing of the church service; extemporization and transposition; program making.

### Piano

121-122-123-124. Hanon exercises; Bach, two-part inventions; Czerny. Opus 740; Cramer studies; Kullak octave studies; sonatas by Mozart and Beethoven; pieces.

221-222-223-224. Prerequisite: 124. Pischna exercises; Bach, three-part inventions and suites; MacDowell, Opus 39; Clementi, Gradus; sonatas by Beethoven; pieces.

321-322-323-324. Prerequisite: 224. Tausig exercises; Bach. Well-Tempered Clavichord; Chopin preludes; Moscheles, Opus 70; sonatas by Beethoven and others; pieces.

421-422-423-424. Prerequisite: 324. Tausig and Bach continued; Chopin etudes; Henselt, Opus 2; Rubinstein, Opus 23; sonatas and concertos; pieces.

### Violin

141-142-143-144. Kreutzer studies. Fiorillo caprices, advanced scale studies, concertos by Accolay, de Beriot, etc.

241-242-243-244. Prerequisite: 144. Rode caprices. Dont, Opus 35; Mazas, Opus 36, Vol. I; scale studies, sonatas by Handel, Corelli, concertos by Spohr, etc.

341-342-343-344. Prerequisite: 244. Gavinies studies, Schradieck, Vol. II; Rovelli caprices; scale studies, concertos by Bruch, Wieniawski, Mozart; sonatas by Greig, Tartini, Corelli. Solos from modern and classic literature.

441-442-443-444. Prerequisite: 344. Complete review of technical studies. Concertos by Beethoven, Vieuxtemps, Mendelssohn; sonatas by Bach, Tartini.

### Voice

151-152-153-154. Prerequisite: The ability to read music. Tone placing and breath control. Intensified breathing taught through special exercises and its application made to tone. Exercises for special needs of the individual voice for tone production and breath control. Technical exercises selected from Meyer, Concone, Marchesi. Simple English songs and church solos.

251-252-253-254. Prerequisite: 154. Voice development. Poising of the voice, development of tone and breath control, exercises for flexibility. Lutgen, Concone, Marchesi. English and Italian songs. Oratorio and church solos.

351-352-353-354. Prerequisite: 254. Tone color and flexibility. Selected exercises and Italian and French songs. German Lieder.

451-452-453-454. Prerequisite: 354. Style and interpretation. Finishing exercises from masterpieces of vocalization. Stage deportment, modern songs, opera, and oratorio airs.

### Theory

103-104. **EAR-TRAINING AND SIGHT-SINGING.** A study of scales and intervals by means of singing and by writing melodies from dictation.

Three hours, through the year.

105-106. **MUSIC APPRECIATION.** A lecture course designed to help the student to understand and enjoy music. This course is planned for majors in other departments who wish a general survey of the art.

Two hours, through the year.

107-108. **HARMONY.** A study of the harmonic element of music by means of analysis, harmonization of figured and unfigured basses and soprano melodies. This course covers triads and their inversions and dominant seventh chords and their inversions. It also includes one hour of key-board harmony through the year.

Three hours, through the year.

201-202. **ADVANCED HARMONY.** A continuation of Course 107-108, covering secondary seventh chords, chords of the ninth, chromatic alterations, and embellishments.

Two hours, through the year. Prerequisite: Music 108.

211-212. **GRADE SCHOOL MUSIC.** A course designed to acquaint the student with materials and methods of grade school music. Selection and presentation of rote songs. Syllables. Rhythm plays and games. Toy orchestra. Problems of staff notation. Study of child voice. Part singing.

Three hours, through the year. Credit in either Music or Education.

301-302. **MUSIC HISTORY AND LITERATURE.** A course, the aim of which is to acquaint the student with the chronological development of music, and to develop in the student a critical



analysis of representative works. Music of the ancient nations. Music of the Renaissance and Reformation periods. Origins of opera and oratorio. Rise of instrumental music. Classic school development of the sonata. The romantic school.

Three hours, through the year.

**303-304. FORM AND ANALYSIS.** An explanation of all the formal designs and methods of structural treatment in the homophonic domain of musical composition. The phrase melody and accompanying parts. Cadence conditions. Period and double period. Repetition, reproduction, and modifications. Song forms. Dance forms. Classic suite. Etude. Lyric piece. Variations. Transcriptions. The Rondo. Sonata and kindred forms.

Two hours, through the year. Prerequisite: Music 202.

**305-306. COUNTERPOINT.** A course in the melodic and polyphonic elements of music, which is designed to develop some facility in melodic writing and the combining of parts. Rules governing a melody. Counterpoint in two, three, and four parts. Combination of various species of strict counterpoint.

Four hours, through the year. Prerequisite: Music 202.

**311-312. CONDUCTING.** A study of the technique of conducting, score reading, and arranging music for instrumental organizations. Study of instrumental materials. The course also includes the playing of the basic string, wind, and percussion instruments.

Two hours, through the year. Prerequisite: Music 108.

**313-314. HIGH SCHOOL MUSIC.** Music material and methods for the junior and senior high schools. Voice problems, testing, and classification. Study of glee clubs, choruses, orchestra, and band. Operetta and cantata. Song interpretation. Fundamentals of conducting.

Two hours, through the year. Credit in either Music or Education.

**315-316. CHURCH AND CHORAL MUSIC.** A study of the whole field of church music, both historical and practical. Study of methods in congregational singing. Study of hymns. Careful study of choirs, choir directing, and choir literature. Detailed study of the organ and other instruments. Study of all types of formal and informal services. Music for the church school.

Two hours, through the year.

**401-402. CANON AND FUGUE.** This course presents to the advanced student all the complex devices of involved polyphonic music and seeks to develop facility for original work in canon and fugue. Double, triple, and quadruple counterpoint.

Four hours, through the year. Prerequisite: Music 306.

**403-404. INSTRUMENTATION AND ORCHESTRATION.** A course dealing with instrumental technique and instrumental combinations. Technique of playing all instruments. Arrangements of selected works for various combinations of strings, woodwind, and brass ensembles.

Two hours, through the year. Prerequisite: Music 304 and 306.

## Ensemble

Not more than four hours of credit in ensembles may be offered toward the degree of Bachelor of Arts. Credit for ensembles will not be given for more than two hours in any one year.

**STRING QUARTETS** and other ensemble groups are organized as advanced students are available. One hour credit per semester.

**THE COLLEGE CHOIR** is an organization of college students who are interested in vocal music. Choral music, especially the a cappella type, is studied, and concerts are given in Ottawa and elsewhere. Credit, one hour per semester.

**THE COLLEGE ORCHESTRA** furnishes valuable opportunity for ensemble playing to students who are working on stringed and wind instruments. Concerts are given in Ottawa and elsewhere. Credit, one hour per semester.

**THE UNIVERSITY BAND** plays for athletic events and appears in concert during the year. One hour credit first semester.

## Recitals

Student recitals are given monthly throughout the year, beginning in November. All students are required to perform at least once during the year, and all music students are required to attend all of these recitals.

Individual recitals in organ, piano, violin, and voice are given in the second semester by such advanced students as the faculty may select.

## Dramatics

**201-202. DRAMATIC PRODUCTION.** A practical course for producers of amateur plays. Choice of play, casting, brief history of the physical stage, scenic design, construction, stage management, lighting, properties, costuming, make-up, characterization, acting.



basic elements of directing. Two lectures or discussions, one two-hour practice period each week. Coordinated with major productions program.

Two hours, through the year. Credit for 201 will not be given without 202.

**205. INTERPRETATIVE READING.** A study of fundamentals of oral interpretation, aimed to quicken mental and emotional processes and to develop expressive powers. Continual study and oral reading of choice selections. Choric speaking. Miniature lecture-recital.

First semester. Two hours.

**307. DIRECTING AND STAGE TECHNIQUE.** An advanced and technical course in play directing. The rehearsal process in detail. Working plans, dramatic scene-building, pictorial design, atmosphere, symbolism, tempo, emphasis, projection, orchestration. Actor-stage-audience relationships. Lectures and continual practice. Each student will be expected to direct at least one play. Coordinated with major dramatics program.

First semester. Three hours. Prerequisite: Course 201-202.

**308. ORAL INTERPRETATION OF MODERN DRAMA.** A course in the interpretation of dramatic literature, aimed to develop appreciation and skill. Scenes and entire plays, including religious drama. Group and individual presentation. Background readings. Recitals. Cutting of long play for platform presentation.

Second semester. Three hours. Prerequisite: Course 205.

**DRAMATIC PRACTICE.** Active members of the Ottawa Players Club, who have taken or are enrolled in Dramatic Production, may, upon the recommendation of the director, obtain one hour credit during each of two semesters for supervised dramatic practice.

## Art

**207. ELEMENTARY SCHOOL ART.** An introductory course, dealing with the fundamentals of design, lettering, color, form, construction, and appreciation in the elementary grades.

First semester. Two hours.

**208. ART APPRECIATION.** Chronological study of such plastics as painting, sculpturing, architecture, and various other minor arts in order to develop a better understanding and a greater appreciation.

Second semester. Two hours.

## Honors -- 1939-1940

### SENIORS—First Honors (Grade average 2.5 and above)

Ethel May Schober  
Dorothy Elizabeth Myers

William Edward Hayler  
Raymond A. Gray

### Second Honors (Grade average 2.00 to 2.5)

Byrnina E. Brooks  
Robert Lee Lane, Jr.  
Virginia Hutton Scott  
Edith May Wilson  
Virginia Ruth Holman  
Harold Eldon Wiberg

Glenn James Betschart  
Loren Edward Noren  
Foster Train  
Andrew Jackson Wiseheart, Jr.  
Eunice Maxine Clark

### JUNIORS—First Honors

Everett Sugarbaker

### Second Honors

Dorothy Mae Coad  
Roland Tenus Nelson  
Anna Mae Nemechek  
Kenneth Jordan Lissant  
Bonnie Ruth Kadavy

Ann Ruth Kindrick  
Miriam Estalene Kinderdick  
Juanita Mae Henderson  
Marian Evelyn Rader  
Helen Mae Kadavy

Eugene Robert Peterson

### SOPHOMORES—First Honors

Marie Louise Budde  
Nelda Jean Budde  
Mary Loretta Franks

Walter Alonzo Ricketts  
Hazel Frances Supple

### Second Honors

Nellie Mae Koons  
Hugo Quentin Rolfs  
Marian Maxine Hogue  
Doris Louise Carlson  
Miriam Marie Kliever

Eileen Eleanor Reeves  
Earl John Splitter  
Sarabeth King  
Earl Frank Schlick

### FRESHMAN TENTH

Carolyn Jeanne Ward  
Beulah Annette Haworth  
Olive Thelma Brown  
Lillian Geraldine Bayles  
Victor Leslie Trower  
Richard Leo Hopkins

Betty Alene Waddell  
Marjorie Ellen Kindall  
Virginia Maxine Ready  
Ruth Bernice Kinkaid  
H. Robert Froning

### GRADUATION WITH FINAL HONORS

Byrnina E. Brooks  
William Edward Hayler  
Robert Lee Lane, Jr.

Dorothy Elizabeth Myers  
Ethel May Schober  
Edith May Wilson

### COMPREHENSIVE EXAMINATIONS PASSED WITH DISTINCTION

**Biology**  
Dorothy Elizabeth Myers

**History and Government**  
William Edward Hayler

**Chemistry**  
Robert Lee Lane, Jr.

**Music**  
Byrnina E. Brooks  
Ethel May Schober

**English**  
Virginia Hutton Scott

**Sociology**  
Edith May Wilson  
Grace Charline McWilliam

## Degrees -- 1940

### BACHELOR OF ARTS

Warren Lee Adams  
Thomas Hunter Allan

Neva Lee Austin  
Joy Annette Balyeat



Glenn James Betschart  
Byrna E. Brooks  
John Alfred Brooks  
Russell Rowland Burnett  
Astrid Louise Carlson  
Eunice Maxine Clark  
Ernest L. Combes  
Harry Eldon Coulter  
Harold Croan  
Eleanor May Edwards  
Grace E. Erion  
Charles Leonard Fergus  
Roy H. Fitzpatrick  
Julia Elizabeth Fowler  
Dorbin William Gardner  
Anita Aurelio Gonzaga  
J. M. Hammons  
Wilma A. Happy  
William Edward Hayler  
Virginia Ruth Holman  
Alfred Janssen, Jr.  
Wanda Clara Janssen

Robert Lee Lane, Jr.  
David Godfrey Laury  
Wendell H. McMurray  
Grace Charline McWilliam  
Roberta Agnes Macaulay  
Donald Meek  
Ethel Ruth Moffatt  
Lyman A. Morgan  
Dorothy Elizabeth Myers  
Loren Edward Noren  
Rhuy Rinehart  
Warren A. Robbins  
Ethel May Schober  
Virginia Hutton Scott  
Adeline Shinn  
Eddie Sivertsen  
Oliver E. Smith  
Foster Train  
George W. Von Arb, Jr.  
M. Ruth Wedepohl  
Harold Eldon Wilberg  
Edith May Wilson

### DOCTOR OF LITERATURE

George Matthew Adams, Ph. B. (Ottawa)

### DOCTOR OF LAWS

Edward Newlon Jones, Ph. D. (Iowa), Sc. B. (Ottawa)

### DOCTOR OF DIVINITY

George Warren Wise, A. B. (William Jewell); Th. M. (Kansas City Theological Seminary)

## Prizes and Scholarships -- 1940

First National Bank Latin Prize—Morgan Beach, Horton.  
Ellen Sheldon Penny, Memorial of Class of 1934—Ethel May Schober, Topeka.  
Filson-Shoemaker, Memorial of Class of 1909—Evelyn Huber, Wichita.  
Liberty Memorial Fund, Class of 1918—Louise Budde, Meade.  
Elizabeth Higgins Memorial, Class of 1917—Frances Gentry, Garden City.  
M. L. Ward Alumni Scholarship—Charlotte Young, Ottawa.  
Ottawa High School Honor Scholarships—Robert Rundell, Max Anderson, Evelyn McCandless, Ottawa.

## Register of Students

### SUMMER SESSION -- 1940

#### ARTS AND SCIENCES

Adkins, Lena D. .... Ottawa  
Baxter, Mary ..... Ft. Scott  
Baxter, Neal ..... Pomona  
Bayless, Crystal ..... Melvern  
Brooks, Byrna ..... Ottawa  
Brown, Olive ..... Horton  
Butler, Robert ..... Ottawa  
Campbell, Don ..... Ottawa

Cassity, Frances ..... Garnett  
Concannon, Neil ..... Kansas City, Mo.  
Cook, Barbara ..... Trenton, Mo.  
Darr, Willa Mae ..... Ottawa  
Downey, Maxine Savidge ..... Paola  
Eichman, Charles ..... Ottawa  
Fishburn, Marlee ..... Overbrook  
Franks, Esther L. .... Keokuk, Ia.

Gault, Virginia ..... Richmond  
Gifford, Ila ..... Garnett  
Gray, Raymond ..... McPherson  
Harr, Mildred Lee ..... Ottawa  
Helms, Robert ..... Osawatomie  
Hensiek, Alice ..... Ottawa  
Holman, Helen ..... Oxford  
Hutchins, Wallace ..... Ottawa  
Jones, Herbert ..... Leavenworth  
Kimmell, Mavis ..... Garnett  
Lamb, Roberta Jean ..... Ottawa  
Likes, Mae Lillian ..... Ottawa  
Lynch, Esther Anna ..... Rocky Ford, Colo.  
Messer, Byrene ..... Soap Lake, Wash.  
Moore, Velma ..... Hutchinson  
Mulcahey, Lucille ..... Amiot  
Mulcahey, Mary Mildred ..... Amiot  
Odaifer, Zenobia ..... Ottawa

Pool, Gladys Price ..... Ottawa  
Powell, Kathleen ..... Kincaid  
Ramsey, Marvin L. .... Kansas City  
Rich, Eunice ..... Ottawa  
Schweitzer, Mabel ..... Ottawa  
Sharon, Mary ..... Williamsburg  
Shepard, Wine Park ..... Kincaid  
Songer, Robert ..... Youngstown, O.  
Welton, Orpha Dell ..... Princeton  
Whitaker, Robert ..... Ottawa  
Wiseheart, Andrew Jackson, Jr. .... Beaver Dam, Wis.  
Woodroof, Martha ..... Ottawa  
Woodward, George ..... Geneseo  
Yocum, Bernice ..... Beloit  
Yocum, Lorraine ..... Beloit  
Yocum, Louise ..... Beloit  
Young, Charlotte ..... Ottawa

### FINE ARTS

Brooks, Byrna ..... Ottawa  
Happy, Wilma ..... Ottawa  
Jones, Helen Jane ..... Wichita

Plank, Wendell ..... Ottawa  
Richards, Mrs. F. D. .... Garnett

## REGULAR SESSION -- 1940-1941

### FRESHMEN

Alderman, Louise ..... Ottawa  
Anderson, Robert ..... Kinsley  
Anderson, Max ..... Ottawa  
Ballou, Robert ..... Whitingham, Vt.  
Barnes, Lois ..... Ottawa  
Baumgardner, Jasper ..... Stilwell  
Bechner, Orpha ..... Conway Springs  
Bellus, Danny ..... Superior, Neb.  
Bennett, Marie Evelyn ..... Ottawa  
Bigler, Shirley ..... Ottawa  
Bowers, Sheldon ..... Ottawa  
Brown, Victor ..... Delphos  
Bussell, Eugene ..... Ottawa  
Carlson, Stanley ..... Concordia  
Church, Charlotte ..... Kincaid  
Cobb, Catherine ..... Ft. Collins, Colo.  
Conard, Marjorie ..... Timken  
Crooks, James ..... Frankfort  
Dale, Maxine ..... Ottawa  
Dana, Grace ..... Polo, Mo.  
Davis, Betty Lee ..... Newton  
Day, Jessie May ..... Garnett  
Deaver, Donna ..... Sabetha  
Dennis, Dorris ..... Ottawa  
Detwiler, Judson ..... Rantoul  
Detwiler, Nina ..... Pratt  
Dorsey, Mary Lou ..... Wellsville  
Dyer, Martha ..... Kansas City, Mo.  
Edwards, Charles ..... Pratt  
Edwards, Ellis ..... Rea, Mo.  
Ferguson, Vera ..... Liberal  
Fisher, Cleda ..... Ottawa  
Fraser, Morley ..... Wauwatosa, Wis.  
Froning, Beth ..... Geneseo  
Funk, Wayne ..... Sedan  
Geiger, Richard ..... Ottawa  
Goble, Paul ..... Toms River, N. J.  
Grant, Nathaniel ..... Leavenworth  
Grapner, Maurine ..... Colby  
Grimmell, Francis ..... Howard  
Haley, Dan ..... Minneapolis

Henderson, Florence ..... Newton  
Henderson, Kathryn ..... Topeka  
Hodges, Dorothy ..... Bristol, Mass.  
Horrell, Winston ..... Ottawa  
Howell, John ..... Ottawa  
Inskip, Warren ..... Cawker City  
Jacobs, Jack ..... Ottawa  
Jacoby, Dorothea ..... Neodesha  
Jones, Robert ..... Ottawa  
Jones, Roy ..... Ottawa  
Keen, Martha ..... Holtan  
Keim, Robert ..... Stella, Neb.  
Kimsey, Robert ..... Ottawa  
Klein, Harold ..... Lorraine  
Kruze, Twila ..... Erie  
Kyle, John E. .... Fairview  
Lambertson, Milan ..... Grand Island, Neb.  
Lathen, Thomas ..... Ottawa  
Lister, Lois ..... Ottawa  
McCandless, Evelyn ..... Maple Hill  
McClelland, Kenneth ..... Lone Elm  
Mason, Beula ..... Ottawa  
Miller, Robert ..... Ottawa  
Millsbaugh, Howard ..... Ottawa  
Morris, Richard ..... Milton  
Morrison, Dale ..... Milton  
Morrison, Ralph ..... Milton  
Morrison, Vern ..... Ft. Collins, Colo.  
Moul, Lillian ..... Ft. Collins, Colo.  
Mundy, Elmer ..... Louisburg  
Neff, Charles ..... Ottawa  
Nichols, Bessie Lee ..... Ottawa  
Ogg, Lucienne ..... Ottawa  
Phillips, Harry ..... Ottawa  
Phillips, Carol ..... Ottawa  
Pickering, Mary ..... Ottawa  
Quaintance, Jacquelyn ..... Centerville  
Reed, Junior ..... Ottawa  
Richardson, Viola ..... Cawker City  
Rokes, Eleanore ..... Ottawa



Rolfs, Marjorie ..... Frederick  
 Rundell, Robert ..... Ottawa  
 Schenck, Betty ..... Topeka  
 Schooler, Mavis ..... Frankfort  
 Seyler, Mary Jo ..... Wellsville  
 Shanklin, Paul ..... Kansas City  
 Shinn, Alice ..... Ottawa  
 Shoger, Raymond ..... Ottawa  
 Shroyer, William ..... Minneapolis, Minn.  
 Slagle, Vernie Jane ..... Bonner Springs  
 Smith, Virginia ..... Valley Center  
 Spilman, Marcella ..... Atchison  
 Starkey, Anna Jean ..... Rocky Ford, Colo.

Starr, Merle ..... Frankfort  
 Stephenson, Jack ..... Ottawa  
 Talley, Opal May ..... Overbrook  
 Taylor, Elaine ..... Neodesha  
 Thornton, Jordan ..... Williamsburg  
 Trigg, Thomas ..... Selma  
 Turner, Arnetta ..... Lyons  
 Vancil, Mary ..... Ottawa  
 Van Sickle, James ..... Ottawa  
 Ward, Maxine ..... Wichita  
 Way, Rosalyn ..... Wichita  
 West, Margaret ..... Topeka  
 Whitlatch, Elizabeth Anne ..... Ottawa  
 Williams, Bert ..... Valley Falls  
 Wilson, Robert ..... Valley Falls

## SOPHOMORES

Anderson, Georgia ..... Ottawa  
 Baker, Wayne ..... Overbrook  
 Bayles, Lillian ..... Ottawa  
 Beach, Morgan ..... Horton  
 Bechtel, Gerald ..... Ottawa  
 Bennett, Juanita ..... Holdenville, Okla.  
 Berrey, Everett ..... Chanute  
 Betschart, Evelyn ..... Pratt  
 Betts, Willis ..... Topeka  
 Burney, James ..... Ottawa  
 Claxton, Mildred ..... Ottawa  
 Critchfield, Dale ..... Penokee  
 DeVore, Gayl ..... Eskridge  
 Dietrich, Paul ..... Ottawa  
 Douglass, John ..... Ottawa  
 Erlon, Jane ..... Grand Island, Neb.  
 Evans, A. J. ..... Valley Falls  
 Finch, Mabel ..... Wellsville  
 Foote, Ruth ..... Ottawa  
 Froning, Robert ..... Geneseo  
 Garrison, Cleo ..... Pratt  
 Goswick, Marion ..... Blue Rapids  
 Gove, Silas ..... Bristol, Vt.  
 Graper, Victor ..... Colby  
 Graves, Gladys ..... Ottawa  
 Haight, Cleda ..... Ottawa  
 Hartley, Cree ..... Ottawa  
 Haworth, Annette ..... Ottawa  
 Hopkins, Richard ..... Irvington, N. J.  
 Ives, Elma ..... Mt. Hope  
 Jeffries, John ..... Leavenworth  
 Johnson, Estel ..... Ottawa  
 Jones, William ..... Ottawa

Kindall, Marjorie ..... Canon City, Colo.  
 Kinderdick, Winston ..... Lyons  
 Kinderdick, Wendy ..... Kansas City, Mo.  
 Krehbiel, Kay ..... Varner  
 Laeger, Lorene ..... Wellsville  
 Martin, Mary Alice ..... Topeka  
 Miller, William ..... Ottawa  
 Munden, Lenora ..... Ottawa  
 Myers, Mildred ..... Ottawa  
 Norcross, Rachel ..... Sheridan, Wyo.  
 Noren, Robert ..... Superior, Neb.  
 Pendergrast, Don ..... Lufkin, Tex.  
 Ramsey, Betty ..... Osage City  
 Ready, Virginia ..... Wichita  
 Ross, Mildred ..... Ottawa  
 Rounds, Margaret ..... Ottawa  
 Sarchet, Melvin ..... Superior, Neb.  
 Schmidt, Raymond ..... Lorraine  
 Schroeder, Marvel ..... Lorraine  
 Sheldon, Jo Anne ..... Ottawa  
 Shoemaker, Dean ..... Protection  
 Singleton, Gilbert ..... Haviland  
 Slopansky, Ruth ..... Belleville  
 Smith, Mary Margaret ..... Wichita  
 Snedaker, Lorence ..... Cheyenne, Wyo.  
 Specht, Max ..... Garden City  
 Stucker, Marjorie ..... Ottawa  
 Teel, Harry ..... Osage City  
 Trail, Sarabel ..... Alden  
 Trigg, Harry ..... Selma  
 Trower, Victor ..... Valley Falls  
 Vice, Henry ..... Council Grove  
 Ward, Jeanne ..... Ottawa  
 Weber, Joe ..... St. John

## JUNIORS

Abels, Jeanne ..... Topeka  
 Adamson, Homer ..... Ottawa  
 Alderman, Max ..... Ottawa  
 Arnett, Earl ..... Morris, Okla.  
 Baker, Dwight ..... Iola  
 Baker, Joe ..... Gatesville, Tex.  
 Barker, Marion ..... Valley Falls  
 Beaman, Willard ..... Augusta  
 Bryan, James ..... Pleasanton  
 Budde, Louise ..... Meade  
 Budde, Nelda ..... Meade  
 Carlson, Doris ..... Neodesha  
 Carrier, Vera Jean ..... Ottawa  
 Carter, Louise ..... Garden City  
 Coad, Dorothy ..... Cawker City  
 Concannon, Neil ..... Kansas City, Mo.  
 Condell, Wilma ..... El Dorado  
 Deakin, June ..... Vona, Colo.  
 Dixon, Wayne ..... McGregor, Tex.  
 Dryden, Argyl ..... Colony

Gabelmann, Val ..... Lincoln  
 Ganstrom, Don ..... Concordia  
 Gault, Beth ..... Richmond  
 Geiser, Don ..... Topeka  
 Gerhold, Norman ..... Richmond  
 German, Avis ..... Pratt  
 Goodwin, Gordon ..... Ottawa  
 Green, Raymond ..... Mapleton  
 Hargrove, Winifred ..... Ft. Scott  
 Hart, Jean ..... Ottawa  
 Haworth, David ..... Ottawa  
 Haworth, Richard ..... Ottawa  
 Helms, Robert ..... Osawatimie  
 Hendrixson, George ..... Lyons  
 Henry, Ruth ..... Kansas City, Mo.  
 Hill, Robert ..... Ottawa  
 Hogue, Marian ..... Ottawa  
 Jones, Helen Jane ..... Wichita  
 Keen, Mary ..... Ottawa  
 King, Sarabeth ..... Topeka

Kirkwood, Dean ..... Ottawa  
 Kilewer, Miriam ..... Kansas City, Mo.  
 Koons, Nellie ..... Sedan  
 Lancaster, Earl ..... Ottawa  
 Lister, Mary ..... Ottawa  
 Lister, Richard ..... Ottawa  
 McHenry, James ..... Scottsbluff, Neb.  
 McKarnin, Carolyn ..... Iola  
 Marsh, Russell ..... Argonia  
 Martin, Doris ..... Springer, N. M.  
 Miller, Dorothea ..... Ottawa  
 Miller, Harry ..... Ottawa  
 Nemecheck, Bruce ..... Abilene  
 O'Neal, Jack ..... Sidney, Ia.  
 Peacock, Loraine ..... Ottawa  
 Peters, Harvey ..... Lorraine  
 Ramsey, Marvin L. ..... Kansas City

Reeves, Eileen ..... Plains  
 Rolfs, Hugo ..... Frederick  
 Rongish, Marjorie ..... Ottawa  
 Schlick, Earl ..... Lorraine  
 Schupbach, Theodore ..... Grand Junction, Colo.  
 Smith, James ..... Mapleton  
 Songer, Robert ..... Youngstown, O.  
 Supple, Hazel ..... Michigan Valley  
 Sutherland, Douglas ..... Horicon, Wis.  
 Swift, Frank ..... Temiskaming, Quebec  
 Trower, Shirley ..... Valley Falls  
 Vancil, Sarah May ..... Ottawa  
 Watts, Wilma ..... Trinidad, Colo.  
 Wendt, Bernard ..... Kearney, Neb.  
 Williams, John ..... Clio, Mich.  
 Wing, Leslie ..... Kansas City

## SENIORS

Adamson, Dean ..... Ottawa  
 Baxter, Mary ..... Ft. Scott  
 Berger, Elvis ..... Ottawa  
 Burd, Lela ..... Vona, Colo.  
 Butler, Robert ..... Ottawa  
 Campbell, Don ..... Ottawa  
 Constant, Henry ..... Uniontown  
 Cowan, Burton ..... Ottawa  
 Davis, Benjamin ..... Kansas City  
 Harpold, Darlene ..... Wichita  
 Henderson, Juanita ..... Ottawa  
 Henshaw, Melton ..... Oxford  
 Holman, Helen ..... Arkansas City  
 Holman, Mary ..... Wichita  
 Huber, Evelyn ..... Clay Center  
 Jackson, Vera ..... Kansas City  
 James, Lloyd ..... Munden  
 Kadavy, Bonnie ..... Munden  
 Kadavy, Helen ..... Lyons  
 Kinderdick, Miriam ..... Varner  
 Krehbiel, Bette Jo ..... Varner

Lewman, Florence ..... Iola  
 Lissant, Kenneth ..... Duluth, Minn.  
 McWilliams, David ..... Quinter  
 Massey, Mark ..... Quinter, Okla.  
 Messer, Byrene ..... Soap Lake, Wash.  
 Moffatt, Edith ..... Mt. Ayr, Ia.  
 Nelson, Roland ..... St. Croix Falls, Wis.  
 Olmsted, Malcolm ..... Gering, Neb.  
 Peterson, Eugene ..... Howard  
 Rader, Marian ..... Holington  
 Reames, Walter ..... Garnett  
 Roten, Paul ..... Kansas City  
 Rowell, Edna Jean ..... Ottawa  
 Schupbach, Robert ..... Kincaid  
 Shepard, Wine Park ..... Kincaid  
 Sugarbaker, Everett ..... Paterson, N. J.  
 Teel, Jesse ..... Osage City  
 Whitaker, Elizabeth ..... Ottawa  
 Woolfolk, Pearl ..... Pratt  
 Young, Charlotte ..... Topeka

## SPECIALS

Bennett, William ..... Ottawa  
 Cook, Barbara ..... Ottawa  
 Harris, Mary Louise ..... Princeton  
 McClay, Freone ..... Ottawa  
 Officer, Forrest ..... Garnett  
 Ray, Roy ..... Ottawa

Turner, Ruth Helene ..... Springfield, Mo.  
 Twining, Mary ..... Ottawa  
 Wallis, Mary ..... Ottawa  
 Whitaker, Robert ..... Ottawa  
 Williams, Lois ..... Ottawa  
 Williams, Mavis ..... Ottawa

## FINE ARTS SPECIALS

Benham, Maybelle ..... Wellsville  
 Bennett, Mariette ..... Ottawa  
 Brady, Roderick ..... Osawatimie  
 Branch, Helen ..... Ottawa  
 Gere, Norma ..... Lane  
 Gerth, Mona Jean ..... Ottawa  
 Hegberg, Kelma ..... Ottawa  
 Hudelson, Robert ..... Pomona  
 Hutton, William ..... Ottawa

Liggett, Emma Lou ..... Ottawa  
 Mitchell, Georgia Mae ..... Osawatimie  
 Peacock, Margaret ..... Ottawa  
 Pinney, Tommy ..... Ottawa  
 Richard, Marilee ..... Garnett  
 Richardson, Junior ..... Ottawa  
 Richardson, Patricia ..... Ottawa  
 Richardson, William ..... Ottawa  
 Turner, Anna Belle ..... Ottawa



## Enrollment Table

	Regular Session			Summer Session			Grand Total		
	M.	W.	Total	M.	W.	Total	M.	W.	Total
Freshmen .....	54	55	109		9	9	54	64	118
Sophomores .....	33	34	67	4	10	14	37	44	81
Juniors .....	41	32	73	4	10	14	45	42	87
Seniors .....	20	21	41	7	3	10	27	24	51
Specials .....	4	7	11				4	7	11
Post Graduates .....		1	1		4	4		5	5
Totals .....	152	150	302	15	36	51	167	186	353
Less Duplicates .....									13
Net Enrollment .....									340
Specials, Fine Arts..	6	12	18	1	4	5	7	16	23
Less Duplicates .....									1
Grand Total .....									362

	Fresh.	Soph.	Jrs.	Srs.	Spec.	P. Grad.	Total
Students from Kansas .....	103	67	63	37	10	4	284
Students from Outside .....							
Kansas .....	15	13	18	9	1		56
Net Enrollment .....							340
Number of States .....							
Represented .....	8	8	11	8	1		17
Number of Foreign .....							
Countries Represented .....			1				1

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