

UGE Courses: Fall 2009

This list presents only the UGE courses that will be offered during the Fall 2009 semester. For the list of all courses approved for UGE credit, see the [Annotated UGE Course List](#). Each college determines which of these courses will be accepted for their students' University General Education requirements. Students must consult with their advisors. UGE Courses are listed here by college only for ease of reference.

[Agriculture](#)

[Education](#)

[Architecture, Planning & Design](#)

[Engineering](#)

[Arts & Sciences](#)

[Human Ecology](#)

[Business Administration](#)

[Technology & Aviation](#)

COLLEGE OF AGRICULTURE

AGEC 120. Agricultural Economics and Agribusiness. (3) I, II. A course suggested for all students interested in the agricultural economy. A study of economic principles, with emphasis on their application to the solution of farm, agribusiness, and agricultural industry problems in relationship to other sectors of the United States economy and foreign countries. No prerequisite. Three hours lec. a week.

AGEC 318. Food and Agribusiness Management. (3) I, II. A study of marketing, production, risk, and financial management in agribusiness firms. Particular attention is given to the application of economic principles to the management of marketing and farm supply firms. Pr.: AGECE 120 or ECON 120; and MATH 100.

AGEC 420. Commodity Futures. (3) I, II. This course is designed to introduce students to the purpose, operation and use of commodity futures and options markets. The objectives are to: (1) understand why futures exchanges and commodity futures contracts exist; (2) understand and be able to forecast basis; (3) understand hedging and be able to design hedging strategies for various commodity producers and users; (4) understand both put and call options and their potential use in a commodity risk management program; and (5) understand the usefulness and shortcomings of fundamental and technical analysis. Pr.: AGECE 120 or ECON 120.

AGEC 525. Natural Resource and Environmental Economics. (3) I. Emphasis on the application of demand, supply, and price concepts in the study of natural resource use, policies, and management. Interdependence between environmental quality and economic actions are examined through discussion of property rights, economic incentives, externalities and economic components of environmental policies. Pr.: AGECE 120 or ECON 120 or ECON 110 and junior standing. Rec. pr: AGECE 120 or ECON 120.

AGRON 335. Environmental Quality. (3) I. An examination and survey of topics in environmental quality. Includes classification of soil, air, and water pollutants and their interaction with the environment, including the human food chain. Discussion of remediation techniques, risk assessment, and environmental legislation. Three lectures a week. Pr.: CHM 110 or 210.

ENTOM 301. Insects and People. (3) I. Intended for undergraduate non-majors as part of the university general education curriculum. The focus will be on the global impact of insects and their relatives on human concerns, from acting as disease vectors, agricultural pests, and pollinators to their roles in art, history, and religion. Two hours lec. and one one-hour interactive session a week.

FOR 375. Introduction to Natural Resource Management. (3) I. A survey of historic and present-day uses, problems, and basic management approaches associated with our renewable and nonrenewable natural resources. The impact of society, economics, law, politics, and philosophy on the management and use of our natural resources will also be examined. Three hours lec. a week.

GENAG 450. Citizenship and Ethics in Agriculture. (3) II. The study of agriculture's relationship with society while encompassing ethics and personal development. Current controversial issues and multidimensional policy topics facing the agricultural industry will be explored with an emphasis on moral and philosophical debates. Issues regarding professional ethics and decision making will also be an emphasis. Pr.: Course work or experience in leadership and agriculture. Three hours rec. a week. Pr.: Junior or senior standing.

GENAG 582. Natural Resources/Environmental Sciences Project (NRES). (3) I, II. A comprehensive project in NRES. Requires integration of information and understanding acquired in NRES secondary major courses. Students must prepare and present written and oral reports. Three hours rec. a week. Pr.: All writing and oral communications courses required for major. Pr. or conc.: 15 hours of approved courses in NRES secondary major. Cross-listed with DAS 582 and DEN 582.

HORT 210. Concepts of Floral Design. (3) I. An introduction to the use of flowers and related products with emphasis on fundamentals of design. Two hours rec. and three hours studio a week. For majors or non-majors.

HORT 256. Human Dimensions of Horticulture. (3) I, II. Introduction to horticulture applied in schools, psychiatric and medical hospitals, corrections, vocational rehabilitation centers, elderly programs, and consumer horticulture settings. Networking the art and science of horticulture with architecture, business, social sciences, health care, horticulture, and education. Two hours lec. and one hour rec. a week.

COLLEGE OF ARCHITECTURE, PLANNING AND DESIGN

ARCH 301. Appreciation of Architecture. (3) I, II, S. An analysis of the evolution of architectural styles to determine the relation of architectural expression to the needs of society. Three hours rec. a week. May not be taken for credit by students enrolled in the architecture, landscape architecture, or interior architecture curricula.

PLAN 315. Introduction to Planning. (3) II. The origins and evolution of planning in response to economic, social, political, and physical problems. The planning process and its relationship to the design professions and the social and behavioral sciences. Three hours recitation a week. Pr.: Sophomore standing and ENGL 100.

COLLEGE OF ARTS & SCIENCES

AERO 210. Aerospace Studies 2A. (1) II. The development of air power from its beginnings to the end of World War II. It traces the development of various concepts of employment of air power. One hour of class a week.

AERO 310. Officer Leadership Studies 3A. (3) I. A study of USAF professionalism, leadership, and management. Includes the meaning of professionalism, professional responsibilities, leadership theory, functions and practices, management principles and functions, problem solving, and management tools, practices, and controls. Three hours of class a week.

AERO 410. Aerospace Studies/Regional Studies and Defense Policy. (3) I, II. This course will examine the role of the professional officer in a democratic society; socialization processes within the armed services; the requisites for maintaining adequate national security forces; political, economic, and social constraints upon the overall defense policy-making process. Three hours a week.

AMETH 160. Introduction to American Ethnic Studies. (3) I, II. This course introduces students to the major concepts related to ethnicity and to some of the major American ethnic groups.

ANTH 204. A General Education Introduction to Cultural Anthropology. (3) I, II, S. Introduction to ethnology and ethnography; analysis and comparison of technological, social, and religious characteristics of cultural systems. Not available for credit to students who have credit in ANTH 200.

ANTH 503. Archaeological Fact or Fiction. (3) I, in even years. Evaluation of popular beliefs about the human past through the application of critical thinking skills. Topics include ancient North American inscriptions, Vikings in the Americas, the moundbuilder myth, lost civilizations, and advanced prehistoric technology. Pr.: ANTH 260 or equiv.

ANTH 524. Immigrant America. (3) I, II. Discussion of post-1965 immigration to the United States with a focus on Asian and Latino newcomers. Immigrant adaptation, economic strategies and the reinterpretation of cultural identity. Implications for American society. Pr.: ANTH 200, 204, or 210.

ART 100. 2-Dimensional Design. (3) I, II. Introduction to and laboratory practice in the principles and elements of design. Emphasis is placed on organizational command of the two-dimensional picture plane and issues of illusion. Six hours lab.

ART 190. Drawing I. (3) I, II. Fundamentals of drawing as applied to the realistic and expressive representation of objects through the use of a variety of media and approaches. Six hours lab.

ART 195. Survey of Art History I. (3) I, II. Historical development of art from pre-history through the Middle Ages.

BIOCH 110. Biochemistry and Society. (3) I. Biochemically oriented topics related to aspects of daily living. Development of knowledge and skills for understanding bioscience information in news media and the internet. Selected biochemical concepts with applications to humans, such as: chemical principles and biomolecules, nutrition/diets, growth and aging, disease, fermentation, drug action, medical diagnostics and forensics, and bioethics. Intended for nonscience majors.

BIOCH 111. Biochemistry and Society Laboratory. (1) I, S. Experiments to promote understanding of chemicals and reactions in living systems. Three hours lab a week. Intended for nonscience majors. Pr.: BIOCH 110 or conc. enrollment.

BIOCH 265. Introductory Organic and Biochemistry. (5) I, II. For students in human ecology, nursing, and other areas desiring an integrated organic and biochemistry course to provide an understanding of carbohydrates, proteins, lipids, and digestive and metabolic systems. Three hours lec. and six hours lab a week. Pr.: CHM 110.

BIOL 198. Principles of Biology. (4) I, II, S (Manhattan campus); II, S (Salina campus). An introductory course for majors and non-majors focusing on plants, animals and microbes. Specific areas covered include biological molecules, cells, genetics, energy flow, physiology, ecology, and evolution. Two two-hour studio sessions incorporating lec. and lab elements.

BIOL 330. Public Health Biology. (3) I. Fundamental concepts of human infectious and organic diseases with emphasis on disease etiology and mechanisms, collection of epidemiological data, and the influences upon, and consequences of, governmental public health policy. Two hours lec. and one hour rec. per week. Pr: BIOL 198.

CHINE 101. Chinese I. (4) I. Introduction to the fundamental linguistics and cultural characteristics of the Chinese language and its writing systems.

CHINE 102. Chinese II. (4) I. Continuation of Chinese I. Development of functional skills for familiar situations. Pr.: CHINE 101.

CHINE 201. Chinese III. (5) II. Continuation of Chinese II. Further development of functional skills. Intensive practice of spoken and written Chinese. Pr.: CHINE 102.

CHM 110. General Chemistry. (3) I, II, S (Manhattan campus); I, II (Salina campus). Principles, laws, and theories of chemistry; important metallic and nonmetallic substances. (An optional laboratory course, CHM 111, is available for an additional hour of credit). Three hours lec. a week. Pr.: MATH 010 or at least one year of high school algebra.

CHM 111. General Chemistry Laboratory. (1) I, II, S. A laboratory course to supplement the material of CHM 110. Three hours lab a week. Pr.: CHM 110 or conc. enrollment.

CHM 210. Chemistry I. (4) I, II, S (Manhattan campus); I, S (Salina campus). First course of a two-semester study of the principles of chemistry and the properties of the elements and their compounds. Three hours lec. and concurrent enrolment in CHM 210 Lab. Pr.: One year of high school chemistry and MATH 100 (or two years of high school algebra).

CHM 220. Honors Chemistry I. (5) I. First course of a two-semester study of chemical principles. Intended for students with a strong background in chemistry. Conc. enrollment in CHM 220 lab is required. Four hours lec. and three hours lab a week. Pr.: One year of high school chemistry and MATH 100 (or two years of high school algebra); ACT Composite of 26 or higher.

CHM 230. Chemistry II. (4) I, II, S. Second course of a two-semester study of the principles of chemistry and the properties of the elements and their compounds. Conc. enrollment in CHM 230 lab is required. Three hours lec. and three hours lab a week. Pr.: CHM 210.

CHM 315. Environmental Science: A Chemistry Perspective. (3) I. An analysis of important technological developments and their impact on society and on the earth's environment; ethical issues raised by technological advances. History, matter and energy, ecosystems, population issues, air pollution, water pollution, hazardous substances, environmental policies, and decision making are discussed. Pr.: CHM 210 or 250.

CHM 350. General Organic Chemistry. (3) I, II, S. A survey of types of organic reactions important to biological science, including pre-veterinary and certain agriculture and human ecology programs. Conc. enrollment in CHM 351 is urged. Three hours lec. a week. Pr.: CHM 230 or 250.

CHM 351. General Organic Chemistry Laboratory. (2) I, II, S. One five-hour lab and one hour of lec. a week. Pr. or conc. enrollment: CHM 350.

COMM 120. Introduction to Human Communication. (3) I. An introduction to the traditions, foundations and contexts of human communication that are studied and practiced in society.

COMM 311. Business and Professional Speaking. (3) I, II. Principles and practice of speaking in an organizational setting. Areas of emphasis will be oral reports, interviewing, interpersonal communication, and working in groups. Pr.: COMM 105 or COMM 106.

COMM 321. Public Speaking II. (3) I, II. Advanced principles and practice of speech composition, audience adaptation, and delivery. Pr.: COMM 105 or COMM 106.

COMM 325. Argumentation and Debate. (3) II. Basic theories of argumentation with emphasis on the construction and criticism of well reasoned and supported positions. Pr.: COMM 105 or COMM 106.

COMM 326. Small Group Discussion Methods. (3) II. Basic concepts of small-group decision making. Projects emphasize participation in and analysis of communication in the small group. Pr.: COMM 105 or COMM 106.

COMM 526. Persuasion. (3) II. The study of communication as persuasion; examination of contemporary approaches to persuasion.

DAS 100. Freshman Seminar. (3) I. An introduction to the intellectual and cultural life of the university.

DAS 300. The Great Conversation: Primary Texts Certificate Core Course. (3) I. An interdisciplinary, team taught course, required for students enrolled in the Certificate in the Study of Arts and Sciences Through Primary Texts. This course can be taken by students not in the certificate, and for Honors credit.

DAS 333. Origins. (3) An interdisciplinary general education course examining how scholars in the sciences and humanities approach knowledge about the universe, the planet earth, and life itself. How did the universe begin? How did life begin and how does it evolve? How has the planet changed throughout its history? How were answers to these questions discovered? How do we construct narratives about these events, and how do those texts reveal our assumptions and values? .

DAS 582. Natural Resources/ Environ. Science Project. (3) I, II. A comprehensive project in NRES. Requires integration of information and understanding acquired in NRES secondary major courses. Students must prepare and present written and oral reports. Three hours rec. a week. Pr.: All writing and oral communications courses required for major. Pr. or conc.: 15 hours of approved courses in NRES secondary major. Cross-listed with GENAG 582 and DEN 582.

ECON 110. Principles of Macroeconomics. (3) I, II, S. Basic facts, principles, and problems of economics; determination of the level of employment, output, and the price level; the monetary and banking system; problems and policies of economic instability, inflation, and growth; principles of economic development; other economic systems. Pr.: Probability of a grade of C or higher (PROB \geq C) of at least 40 percent according to the economics component of the ACT Student Profile, a score of 18 or higher on the Math Placement Exam, or a grade of B or higher in MATH 010.

ECON 120. Principles of Microeconomics. (3) I, II, S. Basic facts, principles, and problems of economics including study of the determination of prices; the determination of wages, rent, interest, and profit; theory of the firm; monopoly and government regulation; international economic relations. Pr.: Probability of a grade of C or higher (PROB \geq C) of at least 40 percent according to the economics component of the ACT Student Profile, a score of 18 or higher on the Math Placement Exam, or a grade of B or higher in MATH 010.

ECON 524. Sports Economics. (3) An economic analysis of professional and amateur sports. Pay determination of professional athletes, monopsony power of owners, discrimination, the importance of leagues, competitive balance, antitrust issues, collective bargaining, the financing of sports, stadiums, and current economic issues in sports. Pr.: ECON 120. May not be counted toward economics major.

ECON 536. Comparative Economics. (3) II. The transition by Russia, Ukraine, Eastern and Central Europe, and Central Asia to market economics; economic reform in China, India, and other countries; and Marxian critiques of capitalism. Pr.: ECON 110 or 120.

ECON 555. Urban and Regional Economics. (3) I. An examination of the determinants of the economic performance of urban and regional economies, including theory, problems, and policy. Pr.: ECON 120.

ECON 682. Development Economics. (3) I, II. Factors influencing the economic modernization of the less-developed countries. Emphasis on capital formation, investment allocation, structural transformation, population growth, development planning, and the international economics of development. Pr.: ECON 110.

ENGL 220. Fiction into Film. (2) I, II, S. Critical analysis of literary texts and their film adaptations.

ENGL 231. Medieval and Renaissance. (3) I, II, S. Middle Ages to mid 1600s. As do all courses in this sequence (ENGL 231-234), course examines Western culture through literature, philosophy, religion, art, and music. The four courses may be taken individually and in any order.

ENGL 234. Modern. (3) I, II, S. 19th century to the present. As do all courses in this sequence (ENGL 230-234), course examines Western culture through literature, philosophy, religion, art, and music. The four courses may be taken individually and in any order.

ENGL 270. American Literature. (3) I, II, S. Selected writers from various periods in American literary history. Designed for students not majoring/minoring in English.

ENGL 287. Great Books. (3) I, II. Introduction to world classics from past to present.

ENGL 297. Honors Introduction to the Humanities I. (3) I. Study of selected major works of history, literature, and philosophy of central importance in the Western cultural tradition. Emphasis on classroom discussion and writing interpretive essays. Limited to entering freshmen. Pr.: Consent of instructor. Same as HIST 297, MLANG 297, PHILO 297.

ENGL 355. Literature for Children. (3) I, II, S. Survey emphasizing the reading and evaluating of books for children. Required for certification in elementary education. Pr.: Sophomore standing.

ENGL 389. Latina/o Literatures. (3) I, II. Study of Latina/o literatures. Will apply to the diversity overlay for English majors. Repeatable once with change of topic.

ENGL 390. Fable and Fantasy. (3) I, II. Study of modern works in the fabulous or fantastic modes in relation to the traditions underlying them. Pr.: ENGL 100 or 110.

ENGL 420. Topics in Film. (3) I, II, S. Selected studies in film analysis. Repeatable once with change of topic. Pr.: ENGL 125 or 200.

ENGL 440. Themes in Literature. (3) I, II, S. Explores the literary treatment of important and recurring themes. Repeatable once with change of topic. Pr.: ENGL 125 or 200.

ENGL 445. Literary Kinds. (3) I, II. Examines the characteristics, the growth and development, or the uses of specified literary genres. Repeatable once with change of topic. Pr.: ENGL 125 or 200.

ENGL 525. Women in Literature. (3) I, II. Study of literary works by or about women. Repeatable once with change of topic. Pr: ENGL 125 or 200.

ENGL 545. Literature for Adolescents. (3) I, II. Selecting, reading, and evaluating books for adolescents. Required for those seeking middle school and high school certification in English. Pr.: ENGL 125 or 200.

ENGL 580. Selected World Literature. (3) I, II. Addresses writing by authors whose native origins lie outside Europe or the United States. Content may vary with instructor. May examine literature from several countries and regions, concentrate upon literature for one country or region, or focus on a topic which transcends national or regional boundaries. Works are written in or translated into English.

FREN 111. French I. (5) Introduction to the structure of modern French, emphasizing the spoken language with practice in the language laboratory.

FREN 112. French II. (5) Continuation of French I, completion of basic presentation of the structure of French. Emphasis on spoken language, use of language lab. Pr.: FREN 111 or equiv.

FREN 113. Beginning Accelerated French. (5) Course covering material from French 1 and 2 in one semester. Listening, speaking, reading, and writing. Includes one hour lab per week in language laboratory or other language opportunities outside of class time. For students with one or two years of previous French instruction or advanced learners of other languages who desire a faster pace.

FREN 211. French III. (5) Continuation of French II, presentation of more advanced elements of the French language. Emphasis on spoken language, use of the language lab. Pr.: FREN 112 or equiv.

FREN 213. French IV. (4) Continuation of French III, presentation of more advanced elements of the French language. Emphasis on spoken language, use of the language lab. Pr.: FREN 211 or equiv.

FREN 515. French and Francophone Culture. (3) A survey of French and Francophone culture from the Middle Ages to the present, including but not limited to, developments in art and architecture, music, and literature. Pr: FREN 213 or equivalent.

FREN 516. Readings in French. (3) Practice in reading a variety of literary, journalistic, and specialized texts from France and Francophone countries. Pr.: FREN 213 or equiv.

FREN 517. Commercial French. (3) Advanced grammar necessary for adequate oral and written expression in international business and diplomatic situations, including specialized terminology, conversation and discussion, and translation. Pr.: FREN 213 or equiv.

FREN 521. Introduction to French Literature II. (3) The reading and discussion of major works of French literature from the early nineteenth century to the present. Pr.: FREN 161 or equiv.

GEOG 100. World Regional Geography. (3) I, II. Introduction to geography structured on a framework of major world regions and countries. With the regional approach is an explicit discussion of the essential concepts of certain systematic specialties, such as political, social, economic, and urban geography.

GEOG 200. Human Geography. (3) I. A geographical assessment of the way human activities shape landscapes throughout the world. The course is especially appropriate for students interested in the social and behavioral sciences.

GEOG 221. Environmental Geography I. (4) I, II. A basic physical geography course emphasizing the atmosphere, weather, climate, and the biosphere. Includes human modification of atmospheric conditions, climate change, severe storms, and the association between global climate and plant distributions. Introduces map use, including isopleths and weather maps. Three hours lec. and one two-hour lab a week.

GEOG 300. Geography of Tourism. (3) II. The geography of tourism is concerned with the structure, form, use, and conservation of the landscape as well as with such spatial conditions as the location of tourist areas and the movements of people from place to place. This course addresses such concepts as the economic, environmental, social, and cultural impacts of tourism as well as examining the tourist geography of each of the world's regions, focusing on the major tourist areas.

GEOG 302. Cartography and Thematic Mapping. (3) I. Introduction to cartographic history, theory and principles, thematic map design, symbolization, map perception, color theory, typography, and digital cartographic research. Laboratory work will familiarize students with the latest cartographic software that will be used to produce a series of thematic maps. The course will consist of two hours of lecture and two hours of lab per week. Pr.: STAT 325 (or equiv.).

GEOG 310. Geography of Kansas. (3) I. Perceptions of Kansas, and a regional analysis of the state including discussion of climate, landforms, soil, water, and minerals as well as patterns of settlement, population, agriculture, industry, transportation, and urban development.

GEOG 321. Environmental Geography II. (4) I, II. A basic physical geography course emphasizing the atmosphere, weather, climate, and the biosphere. Includes human modification of atmospheric conditions, climate change, severe storms, and the association between global climate and plant distributions. Introduces map use, including isopleth and weather maps. Three hours lec. and one two-hour lab per week. Pr.: GEOG 221.

GEOG 340. Geography of Natural Resources. (3) I. The distribution, significance, and environmental consequences of world agriculture, fishing, forestry, and mining, emphasizing the principles which account for the spatial variation in the extraction and consumption of natural resources.

GEOG 508. Geographic Information Systems I. (3) II. Examination of the major concepts, theories, and operations in geographic information systems (GIS). Topics include: the nature of geo-referenced data, data acquisition, and spatial database management, coordinate systems and maps, data structure, and the basic GIS operations that are available for spatial analysis. The course will consist of two hours of lecture and two hours of lab a week. Pr.: GEOG 302 or instructor permission.

GEOG 622. Geography of South America. (3) A broad survey of the physical and human patterns of the South American culture area, past and present, with emphasis on the changing landscape features in the successive patterns of human occupancy and globalization.

GEOL 100. Earth in Action. (3) II (Manhattan Campus); I, II (Salina Campus). The earth's physical, structural, and dynamic features; the most common minerals and rocks; processes affecting the earth. Three hours rec. a week.

GEOL 102. Earth Through Time. (3) I, II. An introduction to the immensity of geologic time and a review of the history of the earth and the life upon it. Three hours rec. a week. Pr.: GEOL 100.

GEOL 103. Geology Laboratory. (1) I, II, S (Manhattan Campus); I, II (Salina Campus). Field and laboratory investigation of minerals, rocks, and fossils; use of maps; environmental studies, erosion, transportation, sedimentation. Two hours lab a week. Pr.: GEOL 100, 102, 105, or 125 or conc. enrollment.

GEOL 105. Oceanography. (3) I, II, S. The oceans: their boundaries, contents, and processes. Three hours rec. a week.

GEOL 115. Environmental Geology. (3) I. Major reservoirs of Earth and the hydrologic cycle; minerals and rocks on the surface and in subsurface environments; minerals and rock-water interactions; compositional variations of waters; surface and ground water pollutions; atmospheric pollutions; waste disposal problems.

GEOL 125. Natural Disasters. (3) I, II. Discussion of geological phenomena such as earthquakes, volcanic eruptions, landslides, and floods, with particular emphasis on their causes, effects, and significance as hazards. Three hours rec. a week.

GEOL 506. Environmental Studies. (2) I, II, S. Physical and chemical qualities of natural environments and health from a geologic perspective- detection and prediction of environmental changes, identification of sources of pollutants and their movements in soils, rocks, and waters. Pr.: GEOL 100.

GRMN 121. German I. (5) Introduction to the structure of modern German. Practice of the spoken language with additional experience in the language lab.

GRMN 122. German II. (5) Continuation to the introduction of modern German. Practice of the spoken language, additional experience in reading and with a variety of additional media. Pr.: GRMN 121 or equiv.

GRMN 221. German III. (5) Conclusion of the introduction to modern German. Continued practice of the spoken language, reading and additional experience with a range of audio and visual media. Pr.: GRMN 122 or equiv.

GRMN 223. German IV. (4) Review of select points of German language structure accompanied by practice in conversation, speaking, reading, and writing, as well as additional experience with audio and visual media. Pr.: GRMN 221 or equiv.

HIST 297. Honors Introduction to the Humanities I. (3) I. Study of selected major works of history, literature, and philosophy which have been of central importance in the Western cultural tradition. Considerable emphasis is placed on classroom discussion and writing interpretive essays. Limited to entering freshmen students. Pr.: Consent of instructor. Same as ENGL 297, MLANG 297, PHILO 297.

HIST 511. Environmental History. (3) I, in alternate years. An introduction to environmental history as an academic specialization through selected reading and topical lectures. The course emphasizes the study of people in nature through time; it stresses people's response to environmental change through three broadly defined periods: pre-industrial, modern industrial, and contemporary. Pr.: Sophomore standing.

HIST 554. History of the South. (3) II, in alternate years. Topical analysis of important issues in Southern history. Compares the plantation myth of popular films with interpretations by important historians. Emphasis on plantation agriculture, slavery, race relations, class, and gender in the Old South. Post-Civil War topics include federal Reconstruction efforts, segregation, economic reform, and the modern Civil Rights movement. Pr.: Sophomore standing.

HIST 570. Europe in the Seventeenth Century. (3) I, in alternate years. Surveys the economic, social, political and intellectual history of western Europe in the seventeenth century, a period marked by economic depression, international conflict, and domestic revolutions as well as by cultural achievement. Emphasizes the complex interaction among social groups; the rise of a European state system; the development of constitutional monarchy in England and absolute monarchy in France; and the change in values generated by the scientific revolution. Pr.: Sophomore standing.

KIN 220. Biobehavioral Bases of Physical Activity. (3) I, II. Current perspectives from the biological and behavioral domains of Kinesiology will be used to explore the significance of physical activity for optimal health. Topics include physiology of physical activity, social and behavioral epidemiology of physical activity and health, control and biomechanics of human movement. Three hours of lecture and two hours of laboratory experiences.

MC 110. Mass Communication in Society. (3) I, II, S. A historical, social, legal, economic, and technological study of mass communication and its role and impact in society. Open to majors and non-majors.

MLANG 297. Honors Introduction to the Humanities I. (3) Intersessions only. Study of selected major works of history, literature, and philosophy which have been of central importance in the Western cultural tradition. Considerable emphasis is placed on classroom discussion and writing interpretive essays. Limited to entering freshman students. Pr.: Consent of instructor. Same as ENGL 297, HIST 297, PHIL 297.

MSCI 200. Self/Team Development. (V) II. Ethics-based military leadership skills that develop individual abilities and contribute to building effective teams. Oral presentations, advanced first aid, land navigation and basic military tactics. Two classroom hours; a required leadership lab; optional, but encouraged, participation in three one-hour physical fitness sessions. Participation in a weekend exercise.

MUSIC 100. Music Fundamentals. (3) I, II, S. Elementary instruction in the theory of music. Limited to non-music majors.

MUSIC 170. History of Rock and Roll. (3) A study of Rock and Roll from its origins through today, focusing on the development of rock styles from its roots in blues, folk, country, and pop. Expansion of listening experience through study of song forms, musical instruments of rock, and the socio-political significance of song lyrics. Examinations, research paper required.

MUSIC 245. Introduction to American Music. (3) II. An introduction to the functions of music in American society and the elements of music, including a survey of the development of various types and styles of music in America.

MUSIC 250. Introduction to Music. (3) I, II, S. Elements of music as represented in selected masterpieces of the standard concert repertory, designed to heighten the perception and the enjoyment of the listener who has limited musical knowledge. For non-music majors only.

MUSIC 420. History of Jazz. (3) I. Survey of jazz styles and personalities. For music majors and non-majors. Pr.: MUSIC 160, 250, or equiv.

PHILO 100. Introduction to Philosophical Problems. (3) I, II, S (Manhattan campus); II (Salina campus). An introduction to some of the main problems of philosophy, such as the nature of morality, knowledge, mind and body, political authority, and the existence of God.

PHILO 110. Introduction to Formal Logic. (3) I, II, S. Systematic study of deductive reasoning (and possibly inductive reasoning) using the techniques of modern logic. Examines different types of valid inference, the logical structure of English sentences, and the validity of arguments generally. Involves the development and use of a symbolic system which models logical relations among sentences.

PHILO 130. Introduction to Moral Philosophy. (3) I, II, S (Manhattan campus); II (Salina campus). Philosophical issues arising in and about morality, such as the nature of moral judgments, moral knowledge, moral justification, and the relation of morality to religion. Topics might be approached by a study of contemporary moral problems, by reading of classical philosophical texts, or by both methods.

PHILO 135. Introduction to Social and Political Philosophy. (3) I, II, S. Examines rival theories of justice and applies them to current debates about economic inequality, gender, race, and sexual orientation. Combines some influential historical texts with contemporary philosophical literature on current political issues.

PHILO 297. Honors Introduction to the Humanities I. (3) I. Study of selected major works of history, literature, and philosophy which have been of central importance in the Western cultural tradition. Considerable emphasis is placed on classroom discussion and writing interpretive essays. For students in an honors program. Pr.: Consent of instructor. Same as ENGL 297, HIST 297, MLANG 297.

PHYS 101. The Physical World I. (3) I, II, S (Manhattan campus); S (Salina campus). The courses The Physical World I and II are designed to present an overview of the physical sciences for students who have little or no previous physical science. The Physical World I is principally physics and atomic theory. The observations and phenomena are simple and basic. Three hours lec. a week. Not available for credit to students who have credit in PHYS 106.

PHYS 106. Concepts of Physics. (4) I. An introductory course in physics which emphasizes the topics of physics normally presented to elementary school children. A qualitative approach with integrated laboratory, this course is recommended for students preparing for careers as elementary school teachers. Not available for credit to students who have completed PHYS 101.

PHYS 191. Descriptive Astronomy. (3) II. A qualitative study of the sun and planets, stars and galaxies; a survey of what is known about the universe and how it is known.

POLSC 110. Introduction to Political Science. (3) I, II, S by Telenet. Introduction to politics, public policy, and governmental processes from a political science perspective, studying political power, political thought, public opinion, groups, parties, institutions, public law, careers in politics, and related topics.

POLSC 301. Introduction to Political Thought. (3) An introduction to the major themes and leading writers in political philosophy and a discussion of their application to modern politics. This course emphasizes learning how to read and appreciate classic texts. Pr.: Sophomore standing.

POLSC 325. United States Politics. (3) The national government with emphasis on constitutional principles, basic structure, functions, and the political process.

POLSC 326. United States Politics, Honors. (4) I, II, S. The national government with emphasis on constitutional principles, basic structure, functions, and the political process. Pr: Membership in an honors program.

POLSC 333. World Politics. (3) II. Introduction to the study of politics among nations-states and other world actors, including a survey of major contemporary problems of world politics and focusing on the pursuit of power, order, wealth, and safe environment.

POLSC 344. Introduction to Comparative Politics. (3) I, II. Comparative analysis of politics in both "developed" and "developing" countries. Though some attention will be given to abstract and theoretical concepts, the emphasis will be on the actual political process in the countries selected for study.

PSYCH 110. General Psychology. (3) I, II, S. An introductory survey of the general content areas of psychology, including methods, data, and principles.

PSYCH 202. Drugs and Behavior. (3) I, II. Effects of drugs on human performance, cognition, and physiological processes will be discussed and the empirical evidence surveyed and critically evaluated in relation to both use and abuse of drugs in society. Pr.: PSYCH 110.

PSYCH 280. Psychology of Childhood and Adolescence. (3) I, II. Survey of behavioral development from birth through adolescence. Pr.: PSYCH 110.

SOCIO 211. Introduction to Sociology. (3) I, II, S (Manhattan campus); I, II (Salina campus). Development, structure, and functioning of human groups; social and cultural patterns; and the principal social processes.

SOCIO 510. Social Welfare as a Social Institution. (3) I, II. The development and present status of social welfare in meeting changing human needs and the requirements in other parts of our social system; the analysis of present-day philosophy and functions of social welfare. Same as SOCWK 510. Pr.: SOCIO 211.

SOCIO 665. Women and Crime. (3) I. Nature and extent of criminal offending among women and women offenders' interactions with legal and criminal justice systems; women's victimization, including rape and intimate violence; women workers in the criminal justice system, specifically in law, policing, and prison work. Pr.: SOCIO 561 or 545 or other Women's Studies courses at the 500-level or above.

SOCWK 510. Social Welfare. (3) I, II. The development and present status of social welfare in meeting changing human needs and the requirements in other parts of our social system; the analysis of present-day philosophy and the functions of social welfare. Same as SOCIO 510. Pr.: One course in each of the following areas: Sociology, Economics, and Political Science.

SPAN 161. Spanish I. (5) I (Salina campus). Introduction to Spanish language and Hispanic culture for students with no previous Spanish experience. Listening, speaking, reading and writing. Includes 1 hour per week in language laboratory or other language opportunities outside of class time. Heritage speakers of Spanish see SPAN 365.

SPAN 162. Spanish II. (5) II (Salina campus). Continuation of Spanish I, devoted to Spanish language and Hispanic culture. Listening, speaking, reading and writing. Includes 1 hours per week in language laboratory or other language opportunities outside of class time. For students with fewer than two years of high school Spanish. Heritage speakers of Spanish see SPAN 365. Pr.: SPAN 161 or equiv.

SPAN 261. Spanish III. (5) Continuation of Spanish sequence, devoted to Spanish language and Hispanic culture. Listening, speaking, reading, writing, and review of language structures. Includes one hour per week in language laboratory or other language opportunities outside of class time. Heritage speakers of Spanish see SPAN 365. Pr.: SPAN 162 or 165 or equiv.

SPAN 361. Spanish IV. (4) Culmination of intermediate Spanish sequence and bridge to upper-level classes. Application of listening, speaking, reading, writing skills to cultural and literary topics. Includes one hour per week of language opportunities outside of class time. Heritage speakers of Spanish see SPAN 365. Pr.: SPAN 261 or equiv.

STAT 100. Statistical Literacy in the Age of Information. (3) This course is intended for majors in non-quantitative fields. Focus will be on the development of an awareness of statistics at the conceptual and interpretative level, in the context of everyday life. Data awareness and quality, sampling, scientific investigation, decision making, and the study of relationships are included. Emphasis will be on the development of critical thinking through in-class experiments and activities, discussions, analyses of real data sets, written reports, and collaborative learning. Computing activities will be included where appropriate; no previous computing experience required. Pr.: MATH 100. Cannot be taken for credit if credit has been received for any other statistics course.

STAT 325. Introduction to Statistics. (3) I, II (Manhattan campus); I, II, S (Salina campus) A project-oriented first course in probability and statistics with emphasis on computer analysis of data. Examples selected primarily from social sciences, natural sciences, education and popular culture. Descriptive statistics, probability, sampling, tests of hypothesis and confidence intervals for means and proportions, design and analysis of simple comparative studies, chi-square tests for association, correlation and linear regression. Cannot be taken for credit if credit has been received for STAT 340 or STAT 350. This course replaces both STAT 320 Elements of Statistics and STAT 330 Elementary Statistics for Social Sciences, effective Spring 2007.

STAT 340. Biometrics I. (3) I, II, S. A basic first course in probability and statistics with textbook, examples, and problems aimed toward the biological sciences. Frequency distributions, averages, measures of variation, probability, confidence intervals; tests of significance appropriate to binomial, multinomial, Poisson, and normal sampling; simple regression and correlation. Cannot be taken for credit if credit has been received for STAT 320, 330, or 350. Pr.: MATH 100.

STAT 350. Business and Economic Statistics I. (3) II. A basic first course in probability and statistics with textbook, examples, and problems pointed toward business administration and economics. Frequency distributions, averages, index numbers, time series, measures of variation, probability, confidence intervals, tests of significance appropriate to binomial, multinomial, Poisson, and normal sampling; simple regression and correlation. Pr.: MATH 100. Cannot be taken for credit if credit has been received for STAT 325, or 340.

THTRE 261. Fundamentals of Acting. (3) Theory and practice of fundamental skills and techniques of acting. Major emphasis is on freeing and training the individual's imagination, intellect, body, and voice through designed exercise and performed scenes. Three hours rec. per week.

THTRE 270. Introduction to Theatre. (3) A comprehensive introduction to theatre: basic elements of theater and theater production, theater history, dramatic literature, multicultural theater traditions and perspectives, and the theatre experience.

THTRE 361. Intermediate Acting. (3) Intersession only. Emphasis upon expanding the actor's capabilities through more advanced scene work and character study. Pr.: THTRE 261 and consent of instructor.

***THTRE 565. Principles of Directing.** (3) Principles, processes, and techniques of directing for the theatre. Pr: THTRE 261. [*UGE Equivalent Course: Approved only as an upper-division, major-specific UGE course with significant advanced writing. Check with instructor before enrolling.]

THTRE 664. Creative Drama. (3) The development of creative imagination and personal well-being through theatre games, improvisation, storytelling, and puppetry for use in educational and recreational settings. Pr.: Junior standing.

THTRE 665. Drama Therapy with Special Populations. (3) I, II. The therapeutic uses of drama in the development of creative imagination, self expression, and social relatedness with special populations such as clients who have developmental disabilities, physical disabilities, health issues, or are aging. Pr.: Junior standing.

WOMST 105. Introduction to Women's Studies. (3) I, II, S. An interdisciplinary introduction to academic and community-based thinking about women's lives: (1) how gender inequality in society restricts women's development, limits their contributions to the dominant culture, and subjects women to systematic violence and (2) strategies with which women gain power within existing institutions and develop new models of social relations. Particular attention will be paid to issues of race, ethnicity, class and sexuality.

WOMST 450. The Stories of a Young Girl. (3) II. An interdisciplinary examination of female adolescence, focusing in particular on the way it is depicted in literature. Pr.: ENGL 100 or 110.

COLLEGE OF BUSINESS ADMINISTRATION

ACCTG 231. Accounting for Business Operations. (3) I, II S. An introduction to the operating activities of businesses and the roles that accounting information plays in planning, evaluating, and recording those activities. An introduction to financial statements is included. Pr.: Sophomore standing and MATH 100.

ACCTG 241. Accounting for Investing and Financing. (3) I, II, S. Extends the concepts of planning and evaluation to the business activities of acquiring, disposing, and financing productive assets. Financial statement analysis will be covered. Pr.: ACCTG 231.

MANGT 641. Management of Quality. (3) I. Development of quality as a management philosophy through the study of ideas from contemporary quality philosophies of Deming, Juran, and Taguchi. Statistical process control charting as a process and quality improvement tool and product and process design as important components of quality. Pr.: MANGT 421.

MKTG 400. Marketing. (3) I, II, S. A general study of marketing principles which lead to the development of marketing strategy. A review of environmental influences and key analytical tools used in formulating marketing plans. Product or service design, distribution, pricing, and promotional programs. Pr.: ECON 110 and 120, junior standing.

COLLEGE OF EDUCATION

EDLST 212. Introduction to Leadership Concepts. (2-3) I, II. This course is organized to provide students with a broad overview of leadership theories, an introduction to ethical decision making, examination of personal leadership styles, and current societal issues for leaders. Pr.: None.

COLLEGE OF ENGINEERING

DEN 210. History of Building and Construction. (3) I. An introduction to the art and science of building. Historical review from ancient to contemporary including related construction methods, equipment, and systems. Three hours rec. a week.

DEN 325. Introduction to Personal and Professional Development. (1) I, II. Overview of major topics related to personal and professional development, including communication, leadership, teamwork, total quality management, and ethics. One hour lec. and one hour activity a week. Pr.: Sophomore standing.

DEN 582. Natural Resources/Environmental Sciences Project (NRES). (3) I, II. A comprehensive project in NRES. Requires integration of information and understanding acquired in NRES secondary major courses. Students must prepare and present written and oral reports. Three hours rec. a week. Pr.: ENGL 415, COMM 105. Pr. or conc.: 15 hours of approved courses in NRES secondary major. Cross listed with DAS 582 and GENAG 582.

COLLEGE OF HUMAN ECOLOGY

FSHS 110. Introduction to Human Development. (3) I, II S. A study of life span human development through an individual's awareness and understanding of his or her own physical, social, and psychological growth and relationships with family, peers, and others.

FSHS 350. Family Relationships and Gender Roles. (3) I, II, S. Effects of family interaction upon individual development and gender roles; consideration of premarital, marital, and parent-child relationships. Pr.: FSHS 110 or PSYCH 110 or SOCIO 211.

FSHS 670. Working with Parents. (3) II, S. Approaches to parenting and parent education with emphasis on programmatic implications of life-span developmental principles within a family context. Pr.: FSHS 110; and FSHS 350 or 550.

GERON 315. Introduction to Gerontology. (3) I, II, S. Multidisciplinary introduction to the field of aging. Examines social, psychological, developmental, organizational, and economic aspects of aging. Theoretical, methodological, and applied issues of aging related to contemporary American society. Pr.: None.

GNHE 310. Human Needs. (3) I, II. Examination of theories of human needs from a human ecological perspective, with emphasis on the impact of human, economic, and material resources. Analysis of developmental, ethical, cultural, and public policy factors that influence need satisfaction. Pr.: Sophomore standing or consent of instructor.

HN 132. Basic Nutrition. (3) I, II, S. Concepts of human nutrition applied to personal food choices and health.

HN 352. Personal Wellness. (3) I. Impact of the effect of personal actions on lifelong wellness. Practical methods of assessing, maintaining, and improving behaviors to reduce the risk of illness and disability. Emphasis on developing skills to make informed, responsible health decisions. Pr.: Sophomore standing.

COLLEGE OF TECHNOLOGY & AVIATION

BUS 251. Financial Accounting. (3) I, II, S. Study of business topics such as alternative forms of business organizations; typical business practices; legal instruments such as notes, bonds, and stocks; and financial statements and analysis. The main objective is to develop the ability to provide information to stockholders, creditors, and others who are outside an organization.

BUS 252. Managerial Accounting. (3) I, II, S. This course outlines the use of internal accounting data by managers in directing the affairs of business and non-business organizations. Pr.: BUS 251.

BUS 315. Supervisory Management. (3) I, II, S. An analysis of the responsibilities and work environment of a supervisor, with an examination of skills, practices, and concepts helpful in the development of effective relations with people in today's changing environment. Pr. ENGL 100 and SPCH 105 or 106.

HIST 320. History of Technology. (3) This course focuses on the development of technology from ancient times to modern day, with emphasis on technology and American society from colonial times to present. Students will prepare a portfolio project that will feature a research or service learning component. PR.: ENGL 100 .