Core Course Descriptions

AGBE—Agricultural Business and Economics
(Offered through the Department of Agricultural Sciences.)

AGBE 2317 Fundamentals of Agricultural Economics. (AGRI 2317) (3 3 0) Prerequisite: minimum of 15 semester hours. Introduction to fundamental economic principles and their application to problems of agricultural firms.

ANSC—Animal Science
(Offered through the Department of Agricultural Sciences.)

ANSC 1319 Principles of Animal Science. (AGRI 1319) (3 2 2) Introduction to the livestock industry and application of genetics, physiology, endocrinology, meat science and nutrition to breeding, selection, feeding and management of farm animals. Course fee $12.

ANTH—Anthropology
(Offered through the Department of Life, Earth and Environmental Sciences.)

ANTH 2351 Cultural Anthropology. (3 3 0) Examination of nature and activities of contemporary cultures throughout the world. Fall, spring.

ARTS—Art
(Offered through the Department of Art, Theatre and Dance.)

ARTS 1303 Art History I. (3 3 0) Survey of painting, sculpture, architecture and minor arts from prehistoric times to the 14th century. Fall, spring. Course fee $15.

ARTS 1304 Art History II. (3 3 0) Survey of painting, sculpture, architecture and minor arts from the 14th century to present. Fall, spring. Course fee $15.

BIOL—Biology
(Offered through the Department of Life, Earth and Environmental Sciences.)

BIOL 1406 Basic and Contemporary Biology I. (4 3 2) Introduction to principles and concepts of biological sciences. Contemporary problems in biology are integrated into discussion of principles and concepts in the lecture and experiments demonstrate principles and concepts in the lab. Fall, spring, summer I. Course fee $15.

BIOL 1407 Basic and Contemporary Biology II. (4 3 2) Prerequisite: 1406. Continuation of discussion of basic principles, and concepts of biology sciences in the lecture coupled with experiments to demonstrate principles and concepts in the lab. Fall, spring, summer II. Course fee $15.

BIOL 1408 Biology for Non-Science Majors I. (4 3 2) Fundamental principles of living organisms, including physical and chemical properties of life. Organization, function, evolutionary adaptations and classification. Concepts of reproduction, genetics, ecology and the scientific method are included. Fall, spring. Course fee $15.

BIOL 1409 Biology for Non-Science Majors II. (4 3 2) Prerequisite: 1408. Continuation of scientific understanding of life with emphasis on animal and plant utilization of Earth resources to sustain life trough change, adaptation and information exchange. Fall, spring. Course fee $15.

BIOL 1411 Botany. (4 3 2) Introduction to botanical principles, including structure and functions of leaves, stems, roots, seeds and fruits. Basic cell chemistry, plant and community ecology, taxonomy, reproduction, natural selection and plant biotechnology with laboratory investigations and observations of cells, leaves, stems, roots, plant physiology and ecology. Fall, spring. Course fee $15.

BIOL 1413 Zoology. (4 3 2) General zoological principles, including life histories and classification of invertebrates and vertebrates with laboratory investigations of various zoological principles and study of representative organisms. Fall, spring. Course fee $15.

CHEM—Chemistry
(Offered through the Department of Mathematics, Chemistry and Physics.)

CHEM 1405 General Chemistry I. (4 1 2) Introductory course for non-chemistry majors. Fundamental concepts of chemistry, including atomic structure, chemical bonding, chemical reactions and states of matter. Not open to students who have credit in 1411. It is recommended that MATH 1314 be taken concurrently or earlier. Selected laboratory experiments. Fall, spring. Course fee $35.

CHEM 1411 Chemistry I. (4 3 2) Prerequisite: MATH 1314 or 1324. Chemical laws and theory for science, engineering and pre-professional majors. Selected laboratory experiments. Fall, spring, summer I. Course fee $35.

CHEM 1412 Chemistry II. (4 3 2) Prerequisite: 1411. Continuation of 1411. Solutions, chemical equilibrium, ionic equilibria, acids and bases, thermodynamics and chemistry of selected elements. Selected laboratory experiments. Fall, spring, summer II. Course fee $35.

CRIJ—Criminal Justice
(Offered through the Department of Political Science and Criminal Justice.)

CRIJ 1301 Introduction to Criminal Justice. (FOSCI 1301) (3 3 0) History and philosophy of criminal justice and ethical considerations, crime defined, its nature and impact, overview of criminal justice system, law enforcement, court system, prosecution and defense, trial process and corrections.

DANC—Dance
(Offered through the Department of Art, Theatre and Dance.)

DANC 1241 Ballet I. (2 0 3) Developing skills in ballet technique for the beginner. May be repeated for credit. Course fee $5 per credit hour.

DANC 2241 Ballet II. (2 0 3) Prerequisite: 1241 or consent of instructor. Designed for the student who has basic knowledge of ballet and wishes to increase artistic, intellectual and physical skills. May be repeated for credit. Course fee $5 per credit hour.

DANC 2303 Introduction to Dance. (3 3 0) Introduction to dance designed for the general student. Artistic, historical, social and cultural investigation of dance. (A non-studio, non-performance course, DANC 1310 is not intended for credit for dance majors.)

ECON—Economics
(Offered through the Department of Accounting, Economics and Finance.)

NOTE: ECON 2301 and 2302 are prerequisites for 3000-level and above economics courses.

ECON 2301 Principles of Macroeconomics. (3 3 2) Survey of macroeconomic principles and their application to U.S. and global concerns. Course will also deal with multicultural aspects of domestic and international economics. Fall, spring, summer. Course fee $15.

ECON 2302 Principles of Microeconomics. (3 3 2) Survey of microeconomic principles and their application to current problems and policies. Fall, spring, summer. Course fee $15.

ECON 2371 American Economic History. (3 3 0) Survey of American economic history with emphasis on the United States' role in the world economy. Topics include early...
Core Course Descriptions

economic systems, immigration, entrepreneurs, labor unions, the war economy, the Great Depression, monetary systems, fiscal governance, and the emergence of a global economy. Spring. Course fee $20.

ENGL—English
(Offered through the Department of English, Philosophy and Modern Languages.)

ENGL 1301 Composition and Reading. (3 3 0) Fundamentals in power and control over language and critical thinking. Fall, spring, summer. Course fee $20.

ENGL 1302 Composition and Reading. (3 3 0) Prerequisite: 1301. Expository writing skills, fundamentals of the academic research process, including library sources and documentation; research reports. Fall, spring, summer. Course fee $20.

ENGL 2311 Introduction to Professional and Technical Communication. (3 3 0) Prerequisite: 1301 and 1302. Introduction to rhetorical techniques associated with workplace correspondence. Students prepare materials in the general areas of correspondence, short reports, instructions and descriptions. Summer, fall.

ENGL 2321 British Literature. (3 3 0) Prerequisite: 1302 or 2311. Selected significant works of British literature arranged around a common theme.

ENGL 2326 American Literature. (3 3 0) Prerequisite: 1302 or 2311. Selected significant works of American literature arranged around a common theme(s), period or culture.

ENGL 2331 World Literature. (3 3 0) Prerequisite: 1302 or 2311. Selected significant works of world literature arranged around a common theme.

ENGL 2341 Introduction to Literature. (3 3 0) Prerequisite: 1302 or 2311. Reading and discussion of representative works from major genres with the aim of providing competence in critical reading and analysis, knowledge of formal characteristics and appreciation of literary texts.

ENGL 2343 Literature and Ideas. (3 3 0) Prerequisite: 1502 or 2311. Interdisciplinary course designed to show how literature and other fields of knowledge interact.

GEOG—Geography
(Offered through the Department of History and Geography.)

GEOG 1302 People in Places (3 3 0) Analysis of the world’s culture regions. Population characteristics, settlement patterns, economic activity and politico-geographic problems. Course fee $5.

GEOG—Geology
(Offered through the Department of Life, Earth and Environmental Sciences.)

GEOG 1401 Earth Science I. (4 3 2) Solar system, stars, earth-sun relations and earth materials, processes, landscapes, structures, resources and history with selected laboratory exercises and experiments to demonstrate earth science principles. Students may not receive degree credit for both GEOG 1401 and 1403 or NSCI 2371. Fall, spring. Course fee $15.

GEOG 1402 Earth Science II. (4 3 2) Introductory study of atmosphere, oceans, weather and climate, vegetation and soils with selected laboratory exercises and experiments to demonstrate earth science principles. Fall, spring. Course fee $15.

GEOL 1403 Physical Geology. (4 3 2) Natural environment of man, including materials, structure and processes of the earth with selected exercises and experiments to demonstrate principles of physical geology. Students may not receive degree credit for both GEOL 1401 and 1403 or NSCI 2371. Fall. Course fee $15.

GEOL 1404 Historical Geology. (4 3 2) History of the earth and its life with selected exercises and experiments to demonstrate principles of historical geology. Spring. Course fee $15.

HIST—History
(Offered through the Department of History and Geography.)

HIST 1301 America, 1492-1877. (3 3 0) Survey in American history; discovery, exploration and colonization; establishment of independence and the new nation, and problems of new government in securing respect at home and abroad; expansion; economic and social development; nationalism versus sectionalism; Civil War and Reconstruction. Fall, spring. Course fee $10.

HIST 1302 America Since 1877. (3 3 0) Settlement of the last West; economic revolution; social, economic and political consequences of industrialism; emergence of the United States as a world power; development of American culture. Fall, spring. Course fee $10.

HIST 2301 Texas History Survey. (3 3 0) Survey of Texas history, from prehistoric times to the present. Fall.

HIST 2311 Western Civilization. (3 3 0) Chief political, social and intellectual developments of Western civilization from decline of the Roman empire to the present. Fall, spring.

HIST 2372 Contemporary World in Perspective. (3 3 0) Contemporary world situations in their historical perspective. Fall, spring. Course fee $10.

HUMA—Humanities
(Delegated offering through the Department of Music. Online only.)

HUMA 1315 Art, Dance, Music, Theatre Interaction. (3 3 0) Selected topics from visual and performing arts and how, through their diversity, they interact, promoting an understanding of creativity. Live performance and studio experience. Fall, spring, summer I.

IDM—Information and Decision Management
(Offered through the Department of Information and Decision Management.)

IDM 1105 Computer Literacy. (1 1 0) Introduction of computing concepts and overview of related information technologies. Exploration of software applications, and their uses and impact on society and enterprises. Hands-on experience with applications software to show students how digital technologies are used in professional environments. Fall, spring. Course fee $10.

IDM 1301 Introduction to Information Science. (3 3 0) Beginning course emphasizing use of productivity software to develop technological skills for the Information Age. Focuses on enhancing personal productivity and communication through effective retrieval, evaluation, synthesis and presentation of information from the Internet and other sources. Fall, spring, summer. Course fee $20.
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MATH—Mathematics
(Offered through the Department of Mathematics, Chemistry and Physics.)

MATH 1314 College Algebra. (3 3 0) Prerequisite: 0303 or score of 85 or higher on Accuplacer Elementary Level Algebra. Relations, functions, equations and inequalities, exponents and radicals, logarithms, binomial theorem and probability. Fall, spring. Course fee $10.

MATH 1324 Mathematics for Business and Economics I. (3 3 0) Prerequisite: 0303 or score of 85 or higher on Accuplacer Elementary Level Algebra. Linear and quadratic equations and inequalities, systems of equations, functions and graphs, mathematics of finance, probability, exponents and logarithms. Fall, spring. Course fee $10.

MATH 1332 Mathematics for Liberal Arts. (3 3 0) Prerequisite: 0303 or score of 85 or higher on Accuplacer Elementary Level Algebra. Practical applications of mathematics with a goal of mathematical literacy. Emphasis on problem-solving and critical-thinking skills with topics that include mathematics of finance, compound interest, annuities and amortizations; counting principles with application to probability; statistical reasoning, modeling using linear, quadratic and exponential regression; advanced applications of geometry and algebraic models; voting methods. Course fee $10.

MATH 2412 Pre-calculus Math. (4 4 0) Prerequisite: ACT score of 24 or SAT 560 or above on math section or MATH 1314. Coverage of algebraic and trigonometric concepts necessary for calculus. Fall, spring. Course fee $10.

MATH 2413 Calculus I. (4 4 0) Prerequisite: 1316, 2412, or ACT score of 27 or SAT 620 or above on math section. Limits, continuity, differentiation of algebraic and trigonometric functions, applications of derivative, differentials, indefinite and definite integrals. Fall, spring. Course fee $10.

MCOM—Mass Communication
(Offered through the Department of Communication.)

MCOM 1307 Introduction to Mass Communication. (3 3 0) Structure, characteristics, functions and support of mass communication in modern society, including radio, television, newspapers, magazines, film, and related areas of advertising and public relations. Fall, spring, summer. Course fee $5.

MUEN—Music Ensemble
(Offered through the Department of Music.) Course fees variable.

MUEN 1026 Marching Band. [MUEN Major; FOSJC 1,2,0,2,5] Marching band for the length of football season and concert band for the remainder of the fall semester. Open to all University students. (Contact the Department of Music and Dance in July for details about early band.) Required of all wind and percussion instrument majors (optional for keyboard majors) to fulfill major ensemble requirements in the fall semester. Fall.

MUSI—Music
(Offered through the Department of Music.)

MUSI 1208 Literature I. [FOSJC 2,2,0] Should be taken concurrently with 1372. Introductory survey of music literature of Romantic, Classic, Medieval and Renaissance periods. Fall.

MUSI 1209 Literature II. [2,2,0] Prerequisite: 1208 or consent of instructor. Should be taken concurrently with 1372. Introductory survey of music literature of the Baroque period, Impressionism, Post-Romanticism, 20th-century and Non-Western music. Spring.

MUSI 1306 Introduction to Music in World Culture. (3 3 0) Not for credit to music majors. Non-technical course for the general college student designed to lead to basic understanding and increased enjoyment of the world’s music. Taught in a multimedia format with lectures and guided listening sessions supplemented by video, filmstrips and live performances. Fall, spring, one summer session; online.

PHIL—Philosophy
(Offered through the Department of English, Philosophy and Modern Languages.)

PHIL 1301 Introduction to Philosophy. (3 3 0) Introduction to the problems and methods of philosophical inquiry. Fall, spring.

PHIL 2303 Logic. (3 3 0) Introduction to logic emphasizing analysis, construction and critique of arguments. Spring.

PHIL 2374 Ethics. (3 3 0) Introduction to theories, problems and methods of traditional and contemporary philosophical ethics. Fall.

PHED—Physical Education
(Offered through the Department of Sports and Exercise Sciences.)

PHED 1111 Lifetime Wellness. (1 1 1) Overview of the seven dimensions of wellness and lifestyle management across the life span. Strategies for responsible decision-making related to health care, physical well-being, stress management, sexual health and safety. Specific activities appropriate to fulfillment of objectives will be included.

PHYS—Physics
(Offered through the Department of Mathematics, Chemistry and Physics.)

PHYS 1401 General Physics I. (4 3 2) Prerequisite: MATH 1314. Classical mechanics, including Newton’s Law’s and the mathematical description of motion. Selected laboratory experiments. Fall, spring, summer I. Course fee $25.

PHYS 1402 General Physics II. (4 3 2) Prerequisite: 1401. Particles and their interactions, waves and modern physics. Selected laboratory experiments. Fall, spring, summer II. Course fee $25.

PHYS 1411 Planetary Astronomy. (4 3 2) Introduction to planetary astronomy. Largely non-mathematical description of our solar system, including planets, asteroids, meteors and comets. Includes laboratory which will involve outdoor observations on clear nights with cloudy nights devoted to indoor experiments and activities to illustrate physical processes in astronomy. Fall. Course fee $25.

PHYS 2425 Engineering Physics I. (4 3 2) Prerequisite: MATH 2414 or concurrent enrollment. Mathematical treatment (calculus) of mechanics, energy and waves. Selected laboratory experiments. Spring. Course fee $25.
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PHYS 2426 Engineering Physics II. (4 3 2) Prerequisite: 2425 and MATH 2414. Mathematical treatment (calculus) of electricity, magnetism and optics. Selected laboratory experiments. Fall. Course fee $25.

POSC—Political Science
(Of Offered through the Department of Political Science and Criminal Justice.)

POSC 2305 American National Government. [GOVT 2305] (3 3 0) Origins, structure and functions of national government of the United States and principles which underlie American democracy. Fall, spring. Course fee $5.

POSC 2306 American State and Local Government. [GOVT 2306] (3 3 0) Principal aspects of state and local government in the United States with special reference to Texas. Fall, spring. Course fee $5.

POSC 2370 Constitutional American Government. (3 3 0) American national government from a constitutional perspective. Examination of traditional topics of American government focusing on Supreme Court cases. Topics include democratic theory, federalism, interest groups, elections and voting, Congress, the presidency, the judiciary, civil liberties and foreign policy.

PSES—Plant, Soil and Environmental Science
(Of Offered through the Department of Agricultural Sciences.)

PSES 1301 Principles of Horticulture. [HORT 1301] (3 2 2) Horticultural plants, including turfgrass, fruit, vegetable, nut, flowering and ornamental plants and their propagation, culture, harvest, storage and utilization. Course fee $12.

PSES 1307 Principles of Plant Science. [AGRI 1307] (3 2 2) Fundamentals of agricultural plants with emphasis on plant structure, nutrition, breeding, function and soil characteristics as related to production of economic plants. Course fee $12.

PSYC—Psychology
(Of Offered through the Department of Psychology, Sociology and Social Work.)

PSYC 2301 General Psychology. (3 3 0) Introduction to psychology as a science. Year round.

SCOM—Speech Communication
(Of Offered through the Department of Communication.)

SCOM 1315 Basic Speech Communication. [SPCH 1315] (3 3 0) Emphasis on basic principles of communication with special application to public speaking. Fall, spring, summer I, summer II, winter intersession, May intersession. Web based. Course fee $5.

SCOM 1318 Interpersonal Communication. [SPCH 1318] (3 3 0) Psychological, physical and cultural barriers to interpersonal communication with emphasis on overcoming these barriers in order to improve interpersonal communication. Fall, spring, web-based.

SCOM 1321 Business and Professional Communication. [SPCH 1321] (3 3 0) Communication skills and theories most relevant to students in contemporary business and professional fields. Focus on developing skills in interviewing, small-group communication and public speaking. Fall, spring.

SCOM 2377 Intercultural Communication. (3 3 0) Investigates relationship between culture and communication, and strategies to overcome barriers in the communication process created by diverse social forms and belief systems. Cultural patterns and assumptions and how they relate to intracultural, cross-cultural, interethnic and international communication. Fall, spring.

SOCI—Sociology
(Of Offered through the Department of Psychology, Sociology and Social Work.)

SOCI 1301 Introduction to Sociology. (3 3 0) Fundamental concepts of sociology and introduction to analysis of social problems in both collective and individual aspects.

SOCW—Social Work
(Of Offered through the Department of Psychology, Sociology and Social Work.)

SOCW 2361 Introduction to Social Work. (3 3 0) Survey and analysis of social welfare and the social work profession. Philosophy, history, fields of service, practice settings, professional roles, current issues and future directions of social work.

SPAN—Spanish
(Of Offered through the Department of English, Philosophy and Modern Languages.)

SPAN 2312 Intermediate Spanish II. (3 3 0) Prerequisite: 2311 or equivalent. Strengthens skills in speaking, listening, reading, writing and grammar. Fall, spring, summer.

THRE—Theatre
(Of Offered through the Department of Art, Theatre and Dance.)

THRE 1310 Introduction to Theatre Arts. [DRAM 1310] (3 3 0) Not for credit to theatre majors. Various aspects of theatre arts: acting, theatre architecture, dramatic theory, theatre history and various areas of production. Fall, spring. Course fee $12.