

GENERAL EDUCATION COURSE DESCRIPTIONS

COMMUNICATION (9 credit hours required). ENGL 1010 and 1020 must be passed with a C- or better.

ENGL 1010: Expository Writing. Emphasis on learning to adapt composing processes to a variety of expository and analytic writing assignments.

ENGL 1020: Research and Argumentative Writing. Emphasis on analytic and argumentative writing and on locating, organizing, and using library resource materials in the writing.

COMM 2200: Fundamentals of Communication. Principles and processes underlying human communication. Emphasis on public oral communication including research, critical thinking, organization, presentation, and listening.

HISTORY (6 credits) Choose two

HIST 2010: Survey of United States History I. Survey of the political, economic, social, cultural, and diplomatic phases of American life in its regional, national, and international aspects. Discusses the era from the beginning to 1877.

HIST 2020: Survey of United States History II. Survey of the political, economic, social, cultural, and diplomatic phases of American life in its regional, national, and international aspects from 1877 to the present.

HIST 2030: Tennessee History. The role of the state in the development of the nation.

HUMANITIES (9 credits) One course must be Literature, the other two selected must be with different prefixes

ANTH 2210: Introduction to World Prehistory. Cultural change over the past four million years as interpreted through archaeology. The development of hunting and gathering through the origins of agriculture and the appearance of the world's first civilizations.

ART 1030: Art Appreciation. An introduction to art structure and styles of art; relationships between past ideas and current trends.

ART 1920 Art History Survey I. Survey of the arts of the Western tradition from the Paleolithic era through the Gothic period.

DANC 1000: Introduction to Dance. Dance as an expressive art form, a symbolic language, and an integral aspect of world cultures.

HIST 1010: Survey Western Civilization I. A survey of Western humanity from the earliest cultures to 1715.

HIST 1020: Survey Western Civilization II. A survey of Western humanity since 1715.

HIST 1110: Survey World Civilization I. A global approach to history, with cultural interchange as a major thematic focus; reasons for the rise and decline of civilizations.

HIST 1120: Survey World Civilization II. The impact of Western expansion upon the indigenous civilizations of Asia, Africa, and the Americas; their mutual interchange in the creation of the modern world.

MUS 1030: Introduction to Music. Perceptive listening to music of various styles and cultures including popular and world musics and Western classical concert music.

PHIL 1030: Introduction to Philosophy. Basic philosophical problems suggested by everyday experience integrated into a coherent philosophy of life through comparison with solutions offered by prominent philosophers.

THEA 1030: Introduction to Theatre. Overview of theatre as an art form. Appreciation and understanding of the production process.

Literature Courses (choose one):

ENGL 2030: The Experience of Literature. The reading of a variety of literary types which illuminate themes and experiences common to human existence.

ENGL 2020: Themes in Literature and Culture. Traces a specific theme or idea through a number of literary texts that reflect different historical and cultural contexts.

HUM 2610: Foreign Literature in Translation. Representative works of French, German, and Hispanic authors in English translation. No foreign language proficiency required.

MATHEMATICS (3 credits) Choose one

MATH 1010: Mathematics for General Studies. Logic, sets, algebraic reasoning, probability, statistics, and consumer mathematics.

MATH 1530: Applied Statistics. Descriptive statistics, probability, and statistical inference. The inference unit covers means, proportions, and variances for one and two samples, and topics from one-way ANOVA, regression and correlation analysis, chi-square analysis, and nonparametrics.

MATH 1630: College Mathematics for Managerial, Social, and Life Sciences. Prerequisites: Two years of high school algebra and a Math Enhanced ACT greater than 25 or MATH 1710. Topics include solving systems of linear equations, linear programming, mathematics of finance, set theory, and probability theory. *Required for College of Business majors.*

MATH 1710: College Algebra. Topics include functions-linear, quadratic, exponential, and logarithmic; analysis of graphs; linear systems; inequalities; counting principles; and probability. *Graphing calculator required. Required for Recording Industry majors.*

MATH 1720: Plane Trigonometry. Prerequisite: Strong background in algebra recommended. Trigonometric functions of the acute and general angle, circular functions, graphs of trigonometric and inverse functions, identities, solutions of right and general triangles, equations, complex numbers, and vectors.

MATH 1730: Pre-Calculus. Prerequisite: MATH 1710 or successful completion of high school precalculus course. An integrated and rigorous study of the algebra and trigonometry needed to successfully attempt calculus. Emphasis on functions, their analysis and their applications. Level of algebraic sophistication developed above that found in MATH 1710. Topics include exponentials and logarithms, analysis of graphs, and word problems.

MATH 1810: Applied Calculus I. Prerequisite: Eligibility to take MATH 1710. Introduces mathematical modeling applied to real-world problems. Sets, functions, inverse models, limits, continuity, first and second order model building, single variable differentiation, implicit differentiation, inverse problems (exponential and log models). First and second derivatives used to study the behavior of real-world applications.

MATH 1910: Calculus I: Prerequisite: MATH 1710 and 1720 or MATH 1730. An introduction to calculus with an emphasis on analysis of functions, multidisciplinary applications of calculus, and theoretical understanding of differentiation and integration. Topics include the definition of the derivative, differentiation techniques, and applications of the derivative. Calculus topics related to trigonometric, exponential, and logarithmic functions also included. Course concludes with the fundamental theorem of calculus; the definition of antidifferentiation and the definite integral; basic applications of integrations; and introductory techniques of integration.

NATURAL SCIENCES (8 credits) *The two courses selected must have different prefixes.*

ASTR 1030/1031: Exploring the Universe. A general introduction to astronomy through an overview of planets, stars, systems of stars, and the overall structure of the universe.

BIOL 1030/1031: Topics in Biology. Biological principles and processes and their importance to humans.

BIOL 1110/1111: General Biology I. Primarily for Biology majors and minors and other science-oriented students. Biological principles and processes including introduction to the nature of science, cells, genetics, evolution, viruses, bacteria, protists, and fungi.

BIOL 2010/2011, 2020/2021: Human Anatomy and Physiology I and II. Meets requirements for many pre-health professional programs including nursing. Structure and function of humans covered. *Required for Nursing majors.*

CHEM 1030/1031: Chemistry for Consumers. Language, development, structure, and role of chemistry as it relates to knowledge and activities of the educated person. Examples will be taken from medicine and human health, environmental pollution, energy and its costs, etc.

CHEM 1010/1011: Introductory General Chemistry I. For students with no prior courses in chemistry; to be taken before CHEM 1110. Fundamental concepts of chemistry: measurements, matter, chemical bonds, chemical reactions, nuclear chemistry, states of matter, solutions, and electrolytes.

CHEM 1110/1111: General Chemistry I. Fundamental concepts of atomic structure, molecular structure and bonding, chemical reactions, stoichiometric relationships, periodic properties of the elements, thermochemistry, and properties of gases.

GEOL 1030/1031: Introduction to Earth Science. The earth and its relationship to its space and environment emphasized. Forces and processes which combine to mold the face of the earth and its atmosphere, as well as the internal constitution of the earth.

GEOL 1040/1041: Physical Geology. The origin, composition, and structure of the solid earth: rock-forming minerals; igneous, sedimentary, and metamorphic rocks; earthquakes and plate tectonics; surface processes; geologic time.

PGEO 1030: Physical Geography. The physical earth as the home of humans. The global earth in space, tools of the discipline, the atmosphere, the hydrosphere, and the biosphere. Field trips may be required. Combined lecture/laboratory sessions [under one course number].

PHYS 1110 Discovering Physics. Prerequisite: MATH 1710 or 1730 or 1630. Students are led to uncover the fundamental concepts of physics in a hands-on approach that involves observations, measurements, forming hypotheses and validation of their ideas in groups of their peers. Combined lecture/laboratory sessions [under one course number].

PHYS 2010/2011: Non-Calculus-Based Physics I. Kinematics, forces, momentum, angular motion, calorimetry, and sound waves.

PHYS 2110/2111: Calculus-Based Physics I. A calculus-based introduction to mechanics and wave motion.

PSCI 1030/1031: Topics in Physical Science. Language development, structure, and role of physical science as it relates to the knowledge and activities of the educated person.

PSCI 1130 Contemporary Issues in Science. (Same as CHEM 1130) Co-requisite: PHYS 1131. Lecture portion of a course emphasizing the application of basic concepts in science to topics of contemporary interest to the general citizenry. Basic science related to selected topics will be covered. Specific topics will vary.

PSCI1131 Activities for Contemporary Issues in Science. (Same as CHEM 1131) Co-requisite: PHYS 1130. Laboratory and activity portion of a course emphasizing the application of basic concepts in science to topics of contemporary interest to the general citizenry. Includes laboratory activities, group-oriented problem-solving using computers, class discussion of selected contemporary issues in science. Two two-hour laboratory sessions.

SOCIAL AND BEHAVIORAL SCIENCES (6 credits) *The two courses selected must have different prefixes.*

AAS 2100: Introduction to African-American Studies. Introductory interdisciplinary course which examines the African-American experience from enslavement through the present; social, religious, political, and cultural interactions evolving from that experience.

ANTH 2010: Cultural Anthropology. A comparative examination of the cultural organization of human behavior in societies around the world. Practical applications and the importance of intercultural understanding stressed.

ECON 2410: Principles of Economics, Macroeconomics. Economic concepts of national income and its fluctuations, inflation, unemployment, role of the banking system, monetary/fiscal policies, and international topics.

ECON 2420: Principles of Economics, Microeconomics. Economic concepts of consumer and firm behavior; the pricing of goods, services, and productive factors; international topics; and an overview of the American economy

GEOG 2000: Introduction to Regional Geography. Examination of world regions using the geographical perspective, identifying the main physical and cultural features, using maps.

GS 2010: Introduction to Cross-Cultural Experiences. Establishes a broad-based foundation for understanding varying perspectives and values in a culture other than one's own. Differing global and international views on cultural and environmental issues past, present, and future. The student's cultural background will be used for comparative purposes.

HLTH 1530/1531: Health and Wellness. Explores the role and importance of health and wellness in the lives of individuals and society in general. Laboratory venues will allow opportunities for assessment of lifestyles, decision-making, and research data on health and wellness.

JOUR/EMC/RIM 1020: American Media and Social Institutions. Three credits. Analysis of the content and context of the American mass media to understand how they affect individuals and society. Emphasis on practical knowledge of the workings of the media from a general perspective.

P S 1005: Introduction to American Politics. Constitutional principles, functions, and administration of American federal government; Congress, the Presidency, and the Supreme Court.

P S 1010: Introduction to Global Politics. Comparative theories and institutions of government. Law, constitutions, power, political socialization, ideologies, and the media.

PSY 1410: General Psychology. Introductory survey course. Includes biological foundations, learning principles, intelligence, motivation, personality, behavior disorders, and psychotherapy.

RS 2030: Religion and Society. Introduces the academic study of world religions with an emphasis on the ways religion both influences and is influenced by society and human behavior.

SOC 1010: Introductory Sociology. Covers the central concepts, theories, and methods of sociology. Focuses on social processes and institutions in modern societies.

SOC 2010: Social Problems. Three credits. A survey of issues defined as problems by society; examines programs and agencies that address them. Problems addressed include poverty, crime, environment, energy, health, etc.

WGST 2100: Introduction to Women's Studies. Designed to inform and enlighten students about the lives and history of diverse women and the social construction of gender. Areas of study may include work, the family, health, sexuality, violence in women's lives, images of women, and feminist activism.