KEANnow! Early College Opportunity Program
Course Descriptions for Summer Session II & Fall Semester 2011

ACCT 2200 Principles of Accounting I: This course is an introduction to accounting concepts and principles used in the preparation of financial reports, the techniques of debit and credit, trial balances, adjustments and statements. (3 Credits)

ACCT 2210 Principles of Accounting II: This course continues the topics of instruction introduced in Acct 2200. Prerequisites: ACCT 2200. (3 Credits)

AH 1700 Art from Prehistory through the Middle Ages: A study of important works of painting, sculpture and architecture from the prehistory to the Renaissance with emphasis of stylistic analysis, relationships to cultural, historical setting. (3 Credits)

AH 1701 Art from Renaissance through the Modern World: A study of important works of painting, sculpture and architecture from the prehistory to the Renaissance with emphasis of stylistic analysis, relationships to cultural, historical setting. (3 Credits)

ANTH 1800 Cultural/Anthropology: Examination of the structures and functions of culture systems globally and overtime employing theories, methods and concepts of anthropology. (3 Credits)

ASTR 1100 Intro to Astrology: A study of our solar system and the sidereal universe, with an emphasis on the nature of astronomical investigation. (3 hr lec/3 hr lab) (4 Credits)

BIO 1000 Principles of Biology: An introduction to the structure and function of living cells and organisms and their interdependencies and adaptations to the environment. (3 hr lec/3 hr lab) (4 Credits)

BIO 22000 Cell Biology: Intro to fundamental concepts of biological organization with emphasis on the molecular and cellular level. (4 Credits)

CDD 1101 American Sign Language I: Introductory course to American Sign Language includes exposure to and practice with ASL terms, concepts, fingerspelling, and interactions with the Deaf community. (3 Credits)

CDD 1101 American Sign Language II: A continuation of American Sign Language I (3 Credits)

CHEM 1083 Chemistry I: A thorough discussion of the fundamental principles of general and inorganic chemistry such as atomic structure, ionic and covalent bonding, chemical calculations, thermodynamics and gases. Mathematical relationships and problem solving are stressed. It is essential that the student have competence in elementary algebra. (3 hr lec/3 hr lab/1 hr recitation) (4 Credits)

COMM 1402 Speech Communication as Critical Citizenship: Understanding and practicing speech communication as a central value of a civil society. It is this value that provides the frame for producing, presenting, interpreting and evaluating oral messages in small group and public speaking contexts. (3 Credits)

CPS 1032 Microcomputer Applications: This course is a study of the microcomputer and its role in the development and organization of data in files and databases for information generation. (3 Credits)

ECO 1020 Principles of Economics I: The American economy; aggregate economics with emphasis on relationships of income, consumption, savings, investment, money & banking economic growth and the role of government. (3 Credits)

ECO 1021 Principles of Economics II: The allocation of resources and distribution of income through the price systems with emphasis on the American economic system. (3 Credits)

ENG 1030, 1031 & 1032 College Composition: Expository and persuasive writing for academic purposes. Emphasis upon writing as a reflective, social process: writing across the curriculum; critical thinking and the development of a personal intellectual perspective and style of expression. (3 Credits)
**ENG 2206 British Literature:** Major writers, periods, genres, styles, and ideas in British literature from Beowulf through Milton. (3 Credits)

**ES 1000 Observing the Earth:** A study of the earth and its processes from the perspective of observations and measurement, observing technology and systems, applications of observations and data to problem solving. (3 Credits)

**FA 1000 Introduction to Art:** This course is about exploration of the theories and techniques of art and the creative process through direct experience with material and ideas. (3 Credits)

**FIN 1300 Personal Finance:** Evaluation and structure of a lifetime personal finance program. Financial strategies, alternatives and problems for small investors. Insurance, real estate, estate planning, portfolio investments. (3 Credits)

**GEOG 2010 World Geography:** World geography from the point of view of how physical features, resources, climates and economical and political systems help to shape human culture. (3 Credits)

**GEOG 1200 Introduction to Geology:** Processes at work upon and within the earth; earth history, rocks, minerals and fossils; historical development of geology as a science. (3 hr. lec/3 hr. lab). (4 credits)

**HIST 1000 History of Civil Society in America:** Introduction to American history through the growth of values shaping American society, with comparisons to cross-cultural case studies. Historical antecedents of modern America, with special focus on the interrelationships between institutions and individuals that have shaped the idea of civil society in the United States, and the applicability of the American experience to understanding other historical contexts. (3 Credits)

**HIST 1030 History of Western Civilization I:** Introduction to American history through the growth of values shaping American society, with comparisons to cross-cultural case studies. Historical antecedents of modern America, with special focus on the interrelationships between institutions and individuals that have shaped the idea of civil society in the United States, and the applicability of the American experience to understanding other historical contexts. (3 Credits)

**HIST 1062 Worlds of History:** An introduction to the history of world civilizations which gives students an understanding of the major developments in human civilization over the last millennia, encourages them to think historically by studying human change critically and analytically as it relates to the relationship of the past to both the present and the future. (3 Credits)

**INTD 1100 Introduction to Interior Design:** Studio experiences introducing the design utilization of interior spaces for residential, business, industrial, public and multi–use purposes. (3 Credits)

**MATH 1000 Algebra for College Students:** Rational Expressions, Radical and Exponential Expressions. Quadratic, rational and radical equations and inequalities Systems of Equations. Properties of Functions and their Graphs, polynomial functions, inverse functions. Conic sections. Binomial Theorem. (3 Credits)

**MATH 1010 Foundations of Mathematics:** An introduction to mathematical reasoning including problem-solving strategies sets and set operations, logic, geometry, and statistics. (3 Credits)

**MATH 1016 Statistics:** Descriptive and inferential statistics; graphic treatment of data, characteristics of distributions, statistical models, correlation, regression, estimation and hypothesis testing. Computer applications. (3 Credits)

**MATH 1054 Pre-Calculus:** Exponential and logarithmic functions. Trigonometric functions with emphasis on trigonometric identities and trigonometric analysis. (3 Credits)

**MATH 2110 Discrete Structures:** Sets, logic, relations, methods of proof, counting techniques, recursively defined relations, Boolean algebra, applications to computing. (3 Credits)

**MATH 2411 Calculus I:** Functions, limits and continuity, differentiation of algebraic and trigonometric functions, tangent and normal lines. Newton's method, optimization and related rate problems. (3 Credits)

**MATH 2412 Calculus II:** This course explores anti-derivatives, definite integrals and integration of algebraic and Transcendental functions. (3 Credits)

**MATH 2995 Matrix and Linear Algebra:** Systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, applications. (3 Credits)

**MATH 3451 Calculus III:** Indeterminate forms, vector algebra and calculus in the plane and 3-space, analytic space geometry, multi-variable functions, partial derivatives, gradients. (3 Credits)
MATH 3452 Calculus IV: Infinite sequences and series, convergence tests, series of functions, power series, Taylor series and polynomials, numerical approximations. Multiple integrals, integral transformations. Vector integral calculus, line and surface integrals, theorems of Green, Gauss and Stokes. Applications to the physical sciences. Computer applications. (3 Credits)

METR 1300 Intro to Meteorology: Introductory study of the atmosphere including historical perspectives, weather, Elements, instrumentation, fronts and air masses. (3 Credits)

MUS 1000 Music Survey: Intended to develop a more profound understanding and appreciation of art music. Develop the ability to think analytically about music, to evaluate it and respond to works of artistic expression by musicians with diverse backgrounds. (3 Credits)

MUS 1050 Music Fundamentals: Introduction to rudiments of music and notation. Developing an understanding of the music language and facility in music reading and aural perception, through class and individual vocal and instrumental practice and written work (3 Credits)

PHIL 1100 Introduction to Philosophy: Survey of major issues in philosophical thought and their implications for sciences, ethics, religion and politics. (3 Credits)

PHYS 2091 General Physics I: Algebraic-trigonometry based sequence to give the student an understanding of the laws and principles of physics. (4 credits)

PS 1010 Introduction to Politics: The concepts, terminology, problems and analytical approaches of the field of political science. (3 Credits)

PS 2100 American Government & Politics: The basic political principles and institutions and modes of citizen involvement in the American political system. (3 Credits)

PSY 1000 General Psychology: Introduction to the scientific study of behavior, biological bases of development and behavior, learning, motivation, perception, cognition, personality, abnormal behavior, measurement of behavior and social behavior. (3 Credits)

REL 1700 Introduction to Religions of the World: Survey of Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam, emphasizing the origin, tenets, developments and cultural and social influence. (3 Credits)

SOC 1000 Introduction to Sociology: This course is about the study of social life, society, and the individual within a global and multicultural context. (3 Credits)

SOC 2000 Introduction to Social Justice: A sociological examination of social justice focusing on selected case studies at the local, national, and global levels. The study of the meaning of social justice, the manifestations and sociological explanations of injustice, and strategies for achieving a more just social world. (3 Credits)

THE 1100 Acting I: The Actor Prepares: Survey of basic acting skills including individual exercises as well as partnered scene work. (3 Credits)