

Dixie State University Concurrent Enrollment Course Descriptions 2017-2018

Courses are taught:

- *On Dixie State University's main campus*
- *DSU North Plaza Building*
- *Taylor Health Science Building (across from IHC Medical Center)*
- *DSU Hurricane Education Center*
- *On individual high school campuses*
- *Online*

ACCT 1010 – Applied Business Accounting

For non-accounting majors, introduces basic bookkeeping practices through the complete accounting cycle for hospitality and service companies. 2.0 Credit Hours

ACCT 2010 – Financial Accounting

Required of students pursuing majors and emphases in School of Business, and open to other interested students. Introduces basic concepts of financial accounting, covering complete accounting cycle for service and merchandise companies, including depreciation, and inventory. A \$25.00 accounting fee is required. 3.0 Credit Hours

ART 1010 - Intro to Art

Fulfills the General Education requirement for Art and is an approved Global and Cultural Perspectives course. Includes identification of major art forms, brief survey of art history, investigation of art criticism, introduction of various media, and identification of elements and principles of art. 3.0 Credit Hours

ASL 1010 – Beginning American Sign Language I

For beginning students interested in American Sign Language. Emphasizes principles, methods, and techniques of communicating manually with deaf individuals. Teaches basic receptive and expressive skills, overviews basic grammatical structure in signing, and explores deaf culture. A variety of teaching methods are employed, including drills, videos, and work in pairs. This course partially qualifies students to receive an Associate of Arts degree or Bachelor of Arts degree for some majors. Successful completers are prepared to take ASL 1020 (1020 is not covered under Concurrent Enrollment funding). Placement in foreign language classes is at the discretion of the Department Chair. 4.0 Credit Hours

BIOL 1010 – General Biology

Fulfills General Education Life Sciences requirement. Not for science majors, this course focuses on general principles of Biology, including cell theory, genetics, evolution, and interrelationships of living things, using a variety of teaching methods including lecture/discussion, laboratory, overheads, videos, quizzes, and exams. Co-requisite: BIOL 1015, required for concurrent enrollment credit. 3.0 Credit Hours

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BIOL 1015 – General Biology Lab

Lab course designed to accompany BIOL 1010. Students will have hands-on experience in a laboratory setting, including the use of microscopes, measurement and simple data analysis, observations of osmosis and diffusion, and other group activities in order to appreciate the true essence of science and the scientific process of acquiring knowledge through inquiry. A \$75.00 lab fee is required when this class is taught on the University campus. Co-requisite: BIOL 1010. 1.0 Credit Hour

BIOL 1610 – Principles of Biology I

Fulfills General Education Life Sciences requirement. Introductory course required of all Biology majors, including pre-health science, pre-nursing, pre-veterinary, pre-medical, pre-dental, and other pre-professional students. Emphasizes the scientific method; cell processes, including basic chemistry, cellular level structure, and function; and the principles of inheritance, evolution and ecology. Fulfills prerequisite to most other Biology courses. Co-requisite: BIOL 1615. 4.0 Credit Hours

BIOL 1615 – Principles of Biology I Lab

Lab portion of BIOL 1610. An \$80.00 lab fee is required when taught on the University campus. Co-requisite: BIOL 1610. 1.0 Credit Hour

CHEM 1010 – Intro to Chemistry

Fulfills General Education Physical Science requirement for students majoring in Business, Communication, Fine Arts, Humanities, and other non-Science disciplines. Emphasizes basic chemical concepts within daily life. Co-requisite: CHEM 1015 is required for Concurrent Enrollment credit. 3.0 Credit Hours

CHEM 1015 – Intro to Chemistry

Lab portion of CHEM 1010. A \$50.00 lab fee is required when taught on the University campus. Co-requisite: CHEM 1010. 1.0 Credit Hour

CHEM 1110 – Elementary General/Organic Chemistry

Fulfills a General Education Physical Science requirement for students majoring in Health Sciences, Family & Consumer Science, Natural Resources, or Agriculture. No appropriate for students majoring in Life Science, Physical Science, pre-Medical, pre-Dental or other pre-professional programs. First semester in a 2-course sequence covering fundamental laws and reactions of general inorganic and organic chemistry, including the basic organic functional groups. Successful completion satisfies prerequisite for CHEM 1120 (1120 is not covered under Concurrent Enrollment funding). Prerequisite: MATH 1010 (C grade or better), OR math ACT placement score of 23 or higher, OR Accuplacer math score of 89 or higher, OR SAT math score of 540 or higher. Co-requisite: CHEM 1115. 4.0 Credit Hours

CHEM 1115 – Elementary General/Organic Chemistry Lab

Lab portion of CHEM 1110. Co-requisite: CHEM 1110. A \$100.00 lab fee is required when taught on the University campus. 1.0 Credit Hour

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CHEM 1210 – Principles of Chemistry I

Fulfills a General Education Physical Science requirement for students majoring in Life or Physical Sciences, Engineering, and pre-professional programs (pre-medical, pre-dental, etc.). Provides theoretical and practical framework for further study in the sciences; emphasizes measurement, stoichiometry, the nature of the atom, chemical periodicity, the states of matter, thermodynamics, and bonding. Completion of prior Chemistry course is strongly recommended before enrolling in this course. Prerequisite: Math 1050 (grade C or better), OR an math ACT placement score of 25 or higher within two years of enrollment in this course; OR an Accuplacer Math placement score of 95 or higher within two years of enrollment in this course; OR an SAT Math placement score of 580 or higher within two years of enrollment in this course.
Co-requisite: CHEM 1215. 4.0 Credit Hours

CHEM 1215 – Principles of Chemistry I Lab

Lab portion of CHEM 1210. Co-requisite: CHEM 1210. A \$100.00 lab fee is required. 1.0 Credit Hour

COMM 2110 – Interpersonal Communications

Fulfills General Education Social & Behavioral Sciences requirement. Required of all Communication majors. Focuses on communication skills in a wide range of interpersonal areas appropriate to business or personal relationships, and involving initiating, developing, maintaining, and controlling the deterioration of relationships, with emphasis on listening, assertiveness, supportive climates, conflict, power management, and disclosure. Introduces the special needs of intercultural communication, and prepares students to effectively express ideas in one-to-one settings. 3.0 Credit Hours

CS 1400 – Fundamentals of Programming

Required of all students pursuing Computer and Information Technology degrees. Open to all students with a general interest in computer programming. Covers structured programming techniques and the syntax of a high level programming language through completion of programming projects of increasing difficulty. A \$25.00 class fee is required when taught on the University campus or by a campus instructor. 3.0 Credit Hours

CS 1410 – Object Oriented Programming

Required of all students pursuing Computer and Information Technology degrees. Open to all students with a general interest in computer programming. Introduces object oriented programming techniques through completion of programming projects of increasing difficulty. Prerequisite: CS 1400 (grade C- or higher). A \$25.00 class fee is required when taught on the University campus or by a campus instructor. 3.0 Credit Hours

DANC 1010 – Dance in Culture

Fulfills the General Education requirement for Art and is an approved Global and Cultural Perspectives course. 3.0 Credit Hours

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DES 1100 – Intro to Digital Design

Introduces software and principles related to digital design and visual communications, and the creation and reproduction of art. Teaches how to create and modify digital images, illustration, and page layout using current design software and printing techniques. A \$25.00 class fee is required when taught on the University campus. 3.0 Credit Hours

DES 1300 – Communication Design

For students pursuing a degree in Computer and Information Technology. Explores the elements of design form which advertising, computer graphics, and graphic arts are structured by building awareness and skill in creating designs, using the concepts of compositions, proportion, alignment, contrasts, white space, typography, eye movement, and element control, emphasizing the value of these concepts to communicate ideas. A \$25.00 class fee is required when taught on the University campus. 3.0 Credit Hours

DES 1610 – Screen Printing

For students interested in the printing industry. Includes printing on various substrates using photographically generated stencils, reproducing images with computers for positive reproduction using the process camera, multi-color screen printing on fabric, and assembling a design of text and graphic to be embroidered on apparel. 3.0 Credit Hours

EDUC 1010 – Intro to Education

Required prerequisite course for both the Elementary Education degree and the Secondary Education Teaching (SET) program. Provides an overview of vocational aspects of a teaching career including: certification requirements, foundations of education, current and historical issues in education, an overview of current trends in methodology, and classroom management. This class provides students with an opportunity to assess oneself as a prospective teacher. Various teaching methods are used including lecture, cooperative learning, inquiry methods, direct instruction and mastery learning. Students are required to do two full observation days in local K-12 school settings. 3.0 Credit Hours

ENGL 1010 – Introduction to Writing

Partially fulfills General Education English requirement. Designed to improve students' abilities to read, analyze, and write expository papers. Provides opportunities to write and revise a number of essays. Activities, library research, portfolios, writing to a style guide, and tests may also be used to prepare students to write college level papers. Successful completers (grade C or higher) will be prepared to take ENGL 2010. Pre or Co-requisite: LIB 1010 – Information Literacy; AND an English ACT placement score of 17 or higher AND an ACT Reading placement score of 17; OR an Accuplacer English placement score of 76 or higher AND an Accuplacer Reading placement score of 66 or higher; OR an SAT English placement score of 450 AND an SAT Reading placement score of 420 or higher. 3.0 Credit Hours

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ENGL 2010 – Intermediate Writing: Selected Topics

Partially fulfills General Education English requirement. Provides opportunities to analyze and write academic papers, including the research-supported essay, through writing and revising a number of essays. Other activities, such as portfolios, library research, and tests may be used to help students improve their writing of advanced-level papers. Successful students will demonstrate competence in the use of standard written English, in analyzing texts, in correctly paraphrasing, summarizing and quoting source material, and in appropriately citing the work of others. Prerequisites: ENGL 1010 with a C grade or higher and LIB 1010 (can be taken concurrently) or an ACT English score of 28 or a passing AP Language or Literature score of 3-5. Students must be seniors in high school. 3.0 Credit Hours

ENGL 2200 – Introduction to Literature

Fulfills a General Education Humanities requirement. For all students who would like to increase their enjoyment of literature. Provides basic understanding of novels, short stories, poems, plays, and essays. Students will learn to read analytically and write critically. 3.0 Credit Hours

ENGR 1000 – Intro to Engineering

For students considering an Engineering career. Introduces the functions and career paths for various branches of Engineering and the nature and challenges of the Engineering profession, including educational requirements of various fields, as well as history, ethics, and the engineering method. 2.0 Credit Hours

FIN 1750 – Personal Finance

Open to all students who spend money (or plan to spend money). Covers conceptual tools needed to function in an expanding economy that requires personal financial decisions such as spending, saving, borrowing, insurance, consumer product purchases and investing decisions, as well as development of a personal budget, following a stock, and a group exploration presentation. 3.0 Credit Hours

FSHD 1500 – Human Development Lifespan

Fulfills General Education and Behavioral Sciences requirement and is a Global and Cultural Perspectives (GLOCUP) course. Of particular interest to those interested in education and health. Utilizes theory and current practices in child development as they apply to the effects of culture and the bio-social cognitive, and psychosocial development through the lifespan. Diversity as well as global issues affecting human populations is integrated into each section of the course. Lecture-based course with strong laboratory involvement in the Dixie State University Preschool. 3.0 Credit Hours

GEO 1010 – Introduction to Geology

Fulfills General Education Physical Science requirement for non-Science majors. General survey of physical Geology, focusing on developing an appreciation for the region's scenic landforms and their origins, as well as Earth history and processes, natural resources, geological hazards, and landforms. GEO 1015 lab course is recommended but not required. Field trip required. A \$15.00 course fee is required. 3.0 Credit Hours

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GEO 1015 – Introduction to Geology Lab

A laboratory course to be taken concurrently with Geology 1010, not required. A \$50.00 lab fee is required. Co-requisite (as applicable): GEO 1010. 1.0 Credit Hour

HIST 1700 – American Civilization

Fulfills the General Education American Institutions requirement. Surveys the historical, constitutional, and economic growth of the United States from colonial times to the present. Employs lectures, discussion, audio-visual materials, and various other instructional methods. Successful students will demonstrate a reasonable understanding of the history, principles, form of government, and economic system of the United States, as well as an appreciation of the American heritage and the responsibilities of American citizens. Prerequisite: An ACT Reading placement score of 17 or higher; OR an Accuplacer Reading placement score of 66 or higher; OR an SAT Reading placement score of 415 or higher. 3.0 Credit Hours

HIST 2700 – U.S. History to 1877

If both HIST 2700 and HIST 2710 are successfully completed, fulfills the General Education American Institutions requirement. If course is not used for American Institutions requirement, it can be used to fulfill the General Education Social and Behavioral Sciences requirement. Chronological survey of the first half of the American experience, beginning with the Paleo-Indian cultures and emphasizing American Independence development of the Constitution, the emergence of Jacksonian democracy, and the causes of the Civil War, through post-Civil War reconstruction. Includes social, political, economic, cultural, and diplomatic developments throughout this period. Prerequisite: An ACT Reading placement score of 17 or higher; OR an Accuplacer Reading placement score of 66 or higher; OR an SAT Reading placement score of 415 or higher. 3.0 Credit Hours

HIST 2710 – U.S. History Since 1877

If both HIST 2700 and HIST 2710 are successfully completed, fulfills the General Education American Institutions requirement. If course is not used for American Institutions requirement, it can be used to fulfill the General Education Social & Behavioral Sciences requirement. Chronological survey of the second half of the American experience, beginning with the collapse of post-Civil War Reconstruction and emphasizing the growth of the U.S., emergence as a world power, and domestic reform of the twentieth century, through contemporary issues. Includes the social, political, economic, cultural, and diplomatic developments throughout this period. Prerequisite: An ACT Reading placement score of 17 or higher; OR an Accuplacer Reading placement score of 66 or higher; OR an SAT Reading placement score of 415 or higher. 3.0 Credit Hours

HLOC 1000 – Medical Terminology

Strongly recommended for students entering health professions; open to all students. Emphasizes memorization of word roots, suffixes, and prefixes of both Greek and Latin origin, as well as proper pronunciation and spelling of medical terms. Material is organized according to body systems; some basic anatomy and physiology is included. 2.0 Credit Hours

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HUM 1010 – Intro to Humanities

Fulfills a Literature/Humanities General Education requirement and is an approved Global and Cultural Perspectives course. For students in all disciplines with an interest in exploring the interrelationship of art, literature, music, philosophy, architecture, sculpture, and other art forms. Enhances appreciation and understanding of all forms of creative human expression. Includes readings, films, group discussions, lectures, and written responses to the humanities through papers and exams. Successful students will demonstrate skill on exams and in discussing, reading and writing about the humanities. 3.0 Credit Hours

IT 1100 – Intro to Linux/Unix

Required of all Computer and Information Technology majors, and open to students with a general interest in computer operating systems. Introduces operating system concepts, including file systems, process management, user management, and security. Students will install and configure LINUX and MAC OSX. A \$25.00 course fee required. 3.0 Credit Hours

IT 1200 – A+ Computer Hardware/Windows OS

This course covers installation, repair and maintenance of computer hardware. It also discusses installation, repair and maintenance of the Microsoft Windows operating system. This course prepares the student to take the CompTIA A+ certification exams. A \$25.00 course fee required. 3.0 Credit Hours

IT 2400- Intro to Networking

Required of all Computer Science and Computer and Information Technology majors, and open to students with a general interest in computer networking. Introduces fundamental concepts of computer networks, including physical, transport, and application layers through completion of assignments predicting and measuring the behavior of computer networks under various conditions. Course fee required. Prerequisite: IT 1100 with C- grade or higher. A \$25.00 course fee required. 3.0 Credit Hours

LIB 1010 – Information Literacy

Fulfills general Education Information Literacy requirement by introducing students to college-level research in an online course. Students will learn to determine the extent of information needed; access the needed information effectively and efficiently; evaluate information and its sources critically; incorporate selected information into one's knowledge base; use information effectively to accomplish a specific purpose; understand the economic, legal, and social issues surrounding the use of information; and access and use information ethically and legally. Competency-based course, graded Pass/Fail. Pre or Co-requisite: ENGL 1010 or 2010; AND an ACT English writing score of 16 or higher; OR an Accuplacer English writing score of 70 or higher; OR an SAT English writing score of 380 or higher. 1.0 Credit Hour

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****To qualify for any level of CE math class as a high school student, the student must have taken Secondary Mathematics 1, 2 & 3 with a C average grade or higher in each class. All prerequisite ACT or Accuplacer (College Placement Tests) scores need to be less than two years old.**

MATH 1010 – Intermediate Algebra

Prepares students for courses that fulfill the General Education Math requirement. Concepts emphasized in this course include the properties of the real number system, sets, functions, graphs, algebraic manipulations, linear and quadratic equations, systems of equations, and story problems. Students will be expected to reason mathematically and solve mathematical problems. Successful completion of the course gives students good preparation for college-level math courses. Successful completers satisfy prerequisite for MATH 1030, MATH 1040, MATH 1050, and Mathematics prerequisite for BIOL 2030, CHEM 1120, PHYS 1010, and STAT 2040. Prerequisite: Secondary Mathematics 1, 2 & 3 AND a C average grade or higher in each; OR an ACT Math placement score of 18 or higher; OR an Accuplacer Math placement score of 54 or higher. Course only offered as concurrent enrollment credit on the high school campuses by qualified instructors. 4.0 Credit Hours

MATH 1030 – Quantitative Reasoning

Fulfills General Education Mathematics requirement for students in Fine Arts, Liberal Arts and other degrees. Focuses on development of analytical problem solving skills through the application of various mathematical concepts to real-life problems. Topics of study include: modeling with algebra; geometry; logic; financial math; right triangle trigonometry (indirect measurement); probability and statistics. Students are cautioned to check degree and/or transfer requirements before taking this course. Prerequisite: Secondary Mathematics 1, 2 & 3 (C average grade or higher in each); OR an ACT Math placement score of 23 or higher; OR an Accuplacer Math placement score of 89 or higher; OR MATH 1010 (grade C or higher). A \$15 class fee required if taught on the University campus. 3.0 Credit Hours

MATH 1040 – Introduction to Statistics

Fulfills General Education Mathematics requirement for students majoring in Communications, Social & Behavioral Sciences, Fine Arts, or Liberal Arts. Introduction to basic concepts and methods used in statistical data analysis; includes descriptive statistics, sampling, and inferential methods while emphasizing problem solving and critical thinking. Microsoft Excel is used to perform statistical calculations, organize and analyze data, and construct graphs. Required for Utah Level 2 Math Endorsement. (Students are cautioned to check degree and/or transfer requirements before taking this course.) Successful completers satisfy Mathematics prerequisite for PSY 3000. Prerequisite: Secondary Mathematics 1, 2 & 3 (C average grade or higher in each); OR an ACT Math placement score of 23 or higher; OR an Accuplacer Math placement score of 89 or higher; OR MATH 1010 (grade C or higher). A \$15 class fee required if taught on the University campus. 3.0 Credit Hours

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MATH 1050 – College Algebra/Pre-Calculus

Fulfills General Education Mathematics requirement for students majoring in Business, Elementary Education, Health Sciences, Science, and other majors. Reviews fundamental algebra; explores polynomial and rational functions; introduces exponential and logarithmic functions and applications; trigonometric functions dealing with graphs, identities, and equations, including inverse functions. Required for Utah Level 2 and Level 3 Math Endorsements. Satisfies prerequisites for MATH 1060, MATH 1100, MATH 1210 (also needs MATH 1060), and MATH 2010, and Mathematics prerequisite for BIOL 3150, and CHEM 1210. Prerequisite: Secondary Mathematics 1, 2 & 3 (C average grade or higher in each) AND an ACT Math placement score of 23 or higher; OR an Accuplacer Math placement score of 89 or higher; OR MATH 1010 (grade C or higher). A \$15 class fee required if taught on the University campus. 4.0 Credit Hours

MATH 1060 – Trigonometry

Fulfills General Education Mathematics requirement. Continuation of MATH 1050, involving further discussion of trigonometry and its applications, analytic geometry including conic sections, systems of equations and inequalities, and partial fractions, as well as introducing discrete algebra including sequences and series and the binomial theorem. Required for Utah Level 2 and Level 3 Math Endorsements. Successful completion fulfills prerequisite for MATH 1210 (along with 1050), and Mathematics prerequisite for PHYS 2010. Prerequisite: Secondary Mathematics 1, 2 & 3 (C average grade or higher in each) AND Math placement score of 25 or higher; OR an Accuplacer Math placement score of 95 or higher; OR MATH 1050 (grade C or higher). A \$15 class fee required. Taught on the University campus only. 3.0 Credit Hours

MATH 1080 – Pre-calculus with Trigonometry

Fulfills General Education Mathematics requirement. Provides in-depth review of pre-calculus and trigonometry before entering trig based calculus by reviewing concepts taught in MATH 1050 and MATH 1060. Successful completion fulfills prerequisite for MATH 1210, and Mathematics prerequisite for PHYS 2010. Prerequisite: Secondary Mathematics 1, 2 & 3 (C average grader or higher in each) AND Math placement score of 25 or higher; OR an Accuplacer Math placement score of 95 or higher; OR MATH 1050 (grade C or higher); OR MATH 1010 (grade B or higher). A \$15 class fee required. Taught on the University campus only. 5.0 Credit Hours

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MATH 1210 – Calculus I

Fulfills General Education Mathematics requirement. Students will gain a basic understanding of calculus, the mathematics of motion and change, including limits and continuity, differentiation, applications of differentiation, integration, applications of integration, derivatives of exponential functions, logarithmic functions, inverse trigonometric functions, hyperbolic functions, and related integrals. Students must have a working knowledge of college algebra and trigonometry, and a graphing calculator is strongly recommended. Required for Utah Level 2, 3, and 4 Math Endorsements, and for students majoring in Computer Science. Successful completion fulfills prerequisite for MATH 1220, and Mathematics prerequisite for ENGR 2010 and PHYS 2210. Prerequisite: Secondary Mathematics 1, 2 & 3 (C average grader or higher in each) AND MATH 1050 AND MATH 1060 (both grade C or higher); OR MATH 1080 (grade C or higher); OR an ACT Math placement score 26 or higher; OR an Accuplacer Math placement score of 105 or higher. A \$15 class fee required. 5.0 Credit Hours

MATH 1220 – Calculus II

Fulfills General Education Mathematics requirement. Continuation of MATH 1210, covering length, area of a surface of revolution, moments and centers of mass, integration techniques, sequences and series, parameterization of curves and polar coordinates, vectors in 3-space, quadric surfaces, and cylindrical and spherical coordinates. Required for Utah Level 3 and 4 Math Endorsements. Successful completion fulfills prerequisite for MATH 2210, and Mathematics prerequisite for ENGR 2250, ENGR 2300, and PHYS 2210. Prerequisite: Secondary Mathematics 1, 2 & 3 AND MATH 1210 (grade C or higher). A \$15 class fee required. Taught on the University campus only. 4.0 Credit Hours

MATH 2210 – Multivariable Calculus

Fulfills General Education Mathematics requirement. Continuation of MATH 1220. Includes partial derivatives, gradient vectors, Lagrange multipliers, multiple integrals, line integrals, Green's Theorem, surface integrals, the Divergence Theorem, and the introduction of MathCAD Calculus. Prerequisite: Secondary Mathematics 1, 2 & 3 AND MATH 1220 (grade C or higher). A \$15 class fee required. Taught on the University campus only. 3.0 Credit Hours

MDIA 1380 – Intro to Television Production

For Media Studies majors, but open to all students interested in television production. Covers basic tools of television studio production and processes involved in creating a television program, including basic terminology and the duties of studio production technical positions. Corequisite: MDIA 1385. 2.0 Credit Hours

MDIA 1385 – Intro to Television Production Lab

Lab portion of MDIA 1380 (requires 6 lab hours per week). Corequisite: MDIA 1380. A \$30 lab fee required. 1.0 Credit Hour

MGMT 1650 – Supervision Management

Provides preparation in functions of organizations, communications, personnel management, leadership, motivation, employee appraisal, productivity, and career paths. Students will exercise management decision-making skills and problem solving techniques in group discussion by using up-to-date case analysis. 3.0 Credit Hours

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MGMT 2600 – Entrepreneurship

Covers the advantages and disadvantages of owning and/or operating a business; includes necessary steps necessary in starting a small business. Students will construct a business prospectus to provide “hands on” exposure to the world of business. 3.0 Credit Hours

MKTG 2550 – Marketing Essentials

Required of students pursuing a General Marketing degree; and open to other interested students. Covers the vocabulary and the basic understanding of the marketing concepts, including an overview of the process of target marketing, marketing opportunities, product and distribution decisions, integrated marketing communications and pricing policies, with an emphasis on practical decisions for small businesses. 3.0 Credit Hours

MUSC 1010 – Introduction to Music

Fulfills General Education Fine Arts requirement. An introductory survey of the elements, style periods, and standard repertoire of Western traditional art music. Emphasis given to improving the student’s listening skills. Includes lecture, demonstration, and discussion of representative musical examples and historical background on composers and musical genres. Assignments may include attendance at specific concerts, written projects, and individual listening. Students who successfully complete this course will gain a broader knowledge of musical elements and how they are characteristically used in each major style period, along with developing better listening skills through perception, understanding, and practice. 3.0 Credit Hours

NFS 1020 – Scientific Foundations of Nutrition

Fulfills General Education Life Science requirement. Open to all students who have an interest in human nutrition and how it relates to individual dietary requirements. May be of particular interest to students with an emphasis in Health Sciences, Education, or related fields. Various periods during the life cycle - infancy, childhood, adolescence, pregnancy, and the later years-- and their specific nutrient needs will be analyzed as well as the basic nutrients and how they are absorbed and used by the body. Other areas of focus will include nutrition for athletes, eating disorders, weight control, and food safety. Includes lecture, multi-media, applied nutrition group activities, guest lecturers, and computer analysis of personal diet. Students will record and analyze their own diet. 3.0 Credit Hours

NURS 1005 – Certified Nurse Assistant

Prepares students in the knowledge, skills, and responsibilities required for certification as a nursing assistant by the state of Utah. Co-requisite: NURS 1007. A \$40 course fee required. 4.0 Credit Hours

NURS 1007 – Certified Nurse Assistant (Clinical)

Clinical portion of NURS 1005. Provides hands on clinical training in the long-term care setting to reinforce nurse assistant skills learned in classroom and laboratory. A minimum of 24 clinical hours required. Co-requisite: NURS 1005. 0 Credit Hours

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PHYS 1010 – Elementary Physics

Fulfills General Education Physical Science requirement for students not majoring in Physics, other Sciences, or Engineering. Covers the basic concepts of physics in an historical perspective, providing many practical examples that demonstrate the role of physics in their everyday life. The PHYS 1015 lab is required for classes taught on high school campuses for Concurrent Enrollment credit. Prerequisite: MATH 1010 (grade C or higher); OR an ACT Math placement; OR an Accuplacer Math placement score of 89; OR an SAT Math placement score of 525 or higher. (School districts and the University Concurrent Enrollment Office have agreed to allow students to register for this class if they have successfully completed a high school level biology, chemistry or math class as noted on a high school transcript. Please meet with your high school counselor regarding this requirement.) 3.0 Credit Hours

PHYS 1015 – Elementary Physics Lab

Lab portion of PHYS 1015. Co-requisite: PHYS 1010. If class is taken on the DSU campus, a \$50.00 lab fee is required. 1.0 Credit Hour

PHYS 1040 – Elementary Astronomy

Fulfills General Education Physical Science requirement intended for students not majoring in Physics, other Sciences, or Engineering. Covers a general study of the solar system, including the formation of the solar system and a brief description of its parts. Also covers a brief history of astronomy and a general study of the known universe. Prerequisite: MATH 1010 (grade C or higher); OR an ACT Math placement score of 23 or higher; OR an Accuplacer Math placement score of 89 or higher; OR an SAT Math placement score of 525 or higher. Co-requisite: PHYS 1045. 3.0 Credit Hours

PHYS 1045 – Elementary Astronomy Lab

Lab portion of PHYS 1040. Co-requisite: PHYS 1040. A \$50.00 lab fee is required. 1.0 Credit Hour

PHYS 2010 – General Physics I

Fulfills General Education Physical Science requirement for students majoring in some Science programs, pre-Medical, pre-Dental, and other pre-professional programs. Covers the basics of mechanics, heat, and sound. First course in a 2-course semester sequence required for further study in science fields (additional courses are not covered with concurrent enrollment funding). Prerequisite: Completion of MATH 1050 and 1060 (grade C or higher). Co-requisite: PHYS 2015. 4.0 Credit Hours

PHYS 2015 – General Physics I Lab

Lab portion of PHYS 2010. Co-requisite: PHYS 2010. A \$50.00 lab fee is required. 1.0 Credit Hour

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POLS 1100 – American Government

Fulfills the General Education American Institutions requirement. Surveys the founding of the U.S. Government, the U.S. Constitution, and the Legislative, Executive, and Judicial branches of government. Also covers politics and elections, international relations, and national security. Helps students acquire a greater understanding of the federal system and of federalism. Employs a wide variety of instructional methods including lectures, student reports, discussions, and audio-visual materials. Successful students will demonstrate a reasonable understanding of the history, principles, form of government, and economic system of the United States. Prerequisite: An ACT Reading placement score 17 or higher; OR an Accuplacer placement score of 66 or higher; OR an SAT Reading placement score of 415 or higher. 3.0 Credit Hours

PSY 1010 – General Psychology

Fulfills General Education Social and Behavioral Sciences requirement. For students in all disciplines who are interested in the fundamental scientific principles of behavior. Includes the study of learning, motivation, emotion, personality, mental disorders, treatment alternatives, and other related subjects as part of the course. Critical thinking will be explored in examining these aspects of behavior. Students will have frequent examinations and quizzes as part of the course requirements. 3.0 Credit Hours

PSY 1100 – Human Development through Lifespan

Fulfills General Education Social and Behavioral Sciences requirement. For all students who are interested in knowing how and why people change through the course of a lifetime. Covers biological, cognitive, and social changes from prenatal development to late adulthood. Studies scientific methods of collecting and interpreting data, analyzes developmental events from various perspectives, and focuses on applying this knowledge to one's own development. Utilizes textbook reading, tests, quizzes, and journal writing. Dual listed with FCS 1500 (students may take only one course for credit). 3.0 Credit Hours

THEA 1013 – Introduction to Theatre

Fulfills General Education Fine Arts requirement. Not a performance class. Emphasizes the appreciation skills needed to become a discriminating audience member of live theatre, including producing, play writing, directing, acting, designing and critiquing. Students must attend live theatre productions, and textbook readings, lecture, audio/video, demonstration, discussion, quizzes, tests, and exercises are also used. Students are required to attend live Dixie State College theatre productions. Successful completers will be more discerning and sensitive theatre audience members. 3.0 Credit Hours

THEA 1023 – Understanding Film

Fulfills General Education Humanities requirement. For all students who enjoy watching films. Explores film making techniques, aesthetic issues, film history, and the function of film criticism, using a variety of films from the Silent Era to the present. Students examine, discuss, and write about various aspects such as plot, theme, character, and setting in order to become more discerning film viewers. Combined lecture /lab. 3.0 Credit Hours

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WEB 1400 – Introduction to Internet Development

For students pursuing a degree in Computer and Information Technology. Hands-on experience in Internet development, including fundamental web development skills including HTML and CSS code, planning and organizing web sites, storyboarding, Internet development environments, and creating and organizing graphics for multiple types of online use. Also examines competitive online markets, technical issues, legal framework, as well as production issues associated with Internet development. A \$25.00 lab fee is required if taught on the University Campus. 3.0 Credit Hours