

COURSE SYLLABUS



Education That Works For a Lifetime

Course Title:	Special Topics: Computer Information Systems Capstone Portfolio Experience	Date submitted:	May, 2007 (07-96)	
Department:	Business and Technology			
Curriculum:	Computer Information Systems			
Course Descriptors: Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.	Course Code: (eg. ACC 101) CSC*298	Prerequisites:		
	Course Type: L A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: M: Seminar Internship P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/Clinical/Lab Z: Combined Lecture/Studio	Permission of Program Coordinator		
	Credit Hours: 1	Corequisites:		
	Developmental: (yes/no) No	None		
	Lecture: 1			
	Clinical: 0			
	Lab: 0			
	Studio: 0			
	Contact Hours:	Other: 0	Other Requirements:	
	TOTAL: 1	Class Maximum: 24	Students should be enrolled in their final semester of classes.	
Semesters Offered: Spring, Fall				
Catalog Course Description:	Intended for students in their final semester of study in the Computer Information Systems degree programs. This course is a graduation requirement that assists students in developing a portfolio demonstrating competency of Tunxis Community College General Education and Computer Information Systems Program abilities. This experience is initiated at the beginning of the computer information systems curriculum and expanded on each semester. The capstone portfolio experience is completed by the student and evaluated by an interdepartmental committee during the last semester prior to graduation. Prerequisite: Permission of Program Coordinator.			
Topical Outline: List course content in outline format.	1. Introduction to the assessment portfolio 2. General Education abilities 3. Computer Information Systems Program Abilities 4. Organization of projects 5. Self-analysis of abilities 6. Posting and Presentation of portfolios			

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<p>Outcomes: Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.</p>	<p>Upon successful completion of this course, the student will be able to do the following:</p> <p>COURSE:</p> <ol style="list-style-type: none">1. Develop a portfolio demonstrating competency in the general education and CIS program outcomes2. Reflect, self-analyze, and communicate strengths, weaknesses, and areas of growth and accomplishment
	<p>PROGRAM: <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i></p> <p>APPLICATIONS SOFTWARE</p> <ol style="list-style-type: none">1. Produce a simple database design and implement database applications using standard query language2. Create, publish and maintain a web site <p>PROGRAMMING</p> <ol style="list-style-type: none">3. Solve computer-related problems.4. Apply the use of the Program Development Life Cycle5. Practical knowledge of a high-level programming language such as Java, C++, or Visual Basic <p>SYSTEMS ANALYSIS</p> <ol style="list-style-type: none">6. Analyze and design computer systems using the information system life cycle phases7. Synthesize computer information systems knowledge and skills in solving basic information processing systems problems <p>OPERATING SYSTEMS</p> <ol style="list-style-type: none">8. Understand the components of an operating system9. Install, administer, and maintain an operating system <p>NETWORKING</p> <ol style="list-style-type: none">10. Knowledge of industry standard networking and communication technology11. Analyze and evaluate a networking scenario and recommend appropriate solutions <p>GENERAL EDUCATION: <i>(Numbering reflects General Education Outcomes as they appear in the college catalog)</i></p> <ol style="list-style-type: none">1. Communication<ol style="list-style-type: none">1.1 Writing: Effectively communicates thoughts and ideas in writing1.2 Speech: Effectively communicates a verbal message1.3 Listening: Listens effectively and critically2. Critical Thinking<ol style="list-style-type: none">2.1 Selects and evaluates information2.2 Identifies and analyzes relationships2.3 Draws inferences and conclusions that are logical and supported by evidence2.4 Solves problems and makes decisions3. Information Literacy<ol style="list-style-type: none">3.1 Effectively uses, accesses, and evaluates information3.2 Understands the issues surrounding access to and use of information4. Technological Literacy<ol style="list-style-type: none">4.1 Uses software applications effectively and purposefully4.2 Assesses the potentials and limitations of technology

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	<p>5. <u>World Cultures and Perspectives</u></p> <p>5.1 Analyzes and evaluates the social, cultural, and political forces that shape the individual and society</p> <p>5.2 Examines and assesses the relationship between historical events and the contemporary world</p> <p>6. <u>Aesthetic Engagement and Creative Expression</u></p> <p>6.1 Evaluates and applies creative processes</p> <p>6.2 Identifies and evaluates the form, structure, and aesthetic qualities of artistic and literary works</p> <p>7. <u>Quantitative and Scientific Reasoning</u></p> <p>Quantitative Reasoning</p> <p>7.1 Demonstrate knowledge and comprehension of quantitative skills</p> <p>7.2 Applies knowledge to analysis of specific problems</p> <p>7.3 Analyzes and synthesizes quantitative information to solve problems</p> <p>7.4 Evaluates problem-solving processes</p> <p>Scientific Reasoning</p> <p>7.5 Applies empirical evidence and scientific argument and distinguishes between cause and effect</p> <p>8. <u>Values, Ethics, and Citizenship</u></p> <p>Ethics:</p> <p>8.1. Recognizes ethical issues, values, and standards, and describes the elements of ethical judgment</p> <p>8.2. Makes ethical decisions and formulates and evaluates arguments to justify such decisions</p> <p>8.3. Demonstrates ethical behavior and social responsibility</p> <p>Citizenship</p> <p>8.4 Demonstrates civic responsibility by engaging in community or civic service</p> <p>9. <u>Interpersonal and Team Skills</u></p> <p>9.1. Works in groups to define problems, elicits and respects the contributions of others, synthesizes diverse opinions, and seeks consensus</p>
<p>Evaluation: List how the above outcomes will be assessed.</p>	<p>Assessment will be based on the following criteria:</p> <p>1. Assessment Portfolio Project – this project will allow students to select and reflect on work that meets each of the General Education and CIS Program Abilities</p>
<p>Instructional Resources:</p> <p>List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.</p>	<p>Required: ePortfolio accounts for all CIS students</p> <p>Desired:</p>
<p>Textbook(s)</p>	<p>None</p>