COURSE SYLLABUS

Course Title:	Special Topics: Computer Forensics and Investigations	**Date submitted:**	April, 2012
Department:	Business and Technology		
Curriculum:	Computer Information Systems		

Course Code: (eg. ACC 101)	CST*298	**Prerequisites:**
Course Type:	X	
A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: Internship M: Seminar P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/Clinical/Lab Z: Combined Lecture/Studio		None.
Elective Type:	G	
AH: Art History E: English FA: Fine Arts G: General HI: History HU: Humanities LA: Liberal Arts FL: Foreign Language M: Math S: Science SS: Social Science		

Course Descriptors: Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.

Credit Hours:	3	**Corequisites:**
Developmental: (yes/no)	No	
Lecture:	1.5	
Clinical:	0	
Lab:	1.5	None.
Contact Hours: Studio	0	
Other:	0	
TOTAL:	3	**Other Requirements:**
Class Maximum:	24	None.
Semesters Offered:	F/Sp	

Ability Based Education (ABE) Statement

Tunxis faculty and staff have identified a set of specific abilities (skills and knowledge) that students should develop in a successful and well-rounded education. We believe that ten of these abilities, the general-education abilities, are necessary for all students to be successful at work, in future education, and as citizens. In most college-levels course at Tunxis, students will be assessed on at least one general-education ability as well as abilities that are specific to the course. Students in professional programs will also be assessed on abilities that are important to that profession. (In some externally accredited programs, general-education abilities may not be assessed in every course, but all abilities will be assessed by the time the student completes the program.)

On some assignments, students will receive feedback on the degree to which they have mastered certain abilities. When this happens, students will receive a rating of 1 (Not Satisfactory), 2 (Satisfactory), or 3 (Distinguished) and an explanation for the rating. The goal will be to let students know where they stand at a specific time and what they need to do in order to improve in these abilities. We are convinced that development of these abilities, and the general-education abilities in particular, is critical to students' success in all aspects of life.

Catalog Course Description:	This course introduces students to the field of computer forensics. Topics to be covered include data acquisition, analyzing evidence, and investigations. Students will complete hands-on computer-based exercises and lab simulations. Students will learn how to work with different operating systems so that forensic extraction is relevant for legal review or to be used as testimonial evidence.
Topical Outline: List course content in outline format.	**1.** Computer Forensics **2.** Computer Investigations **3.** Data Acquisitions **4.** Computer Forensics Tools **5.** Working with Windows Systems **6.** Working with Macintosh and Linux Systems **7.** Computer Forensics Analysis **8.** Email Investigations **9.** Cell Phone and Mobile Device Forensics **10.** Ethics and High-Tech Investigations
Outcomes: Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.	**Upon successful completion of this course, the student will be able to do the following:** **COURSE:** 1. demonstrate an understanding of computer forensics and investigations 2. demonstrate an understanding of conducting forensic investigations with difference operating systems 3. use current computer forensics tools as needed in given situations 4. apply data gathering and analysis techniques in a simulated computer forensic investigation
	PROGRAM: *(Numbering reflects Program Outcomes as they appear in the college catalog)* None.
	GENERAL EDUCATION: *(Numbering reflects General Education Outcomes as they appear in the college catalog)* 2. **Critical Thinking** - identifies and explains relationships, draws and justifies reasonable inferences and conclusions; demonstrates evidence of insight through reflection 4. **Technological Literacy** - appropriately and effectively uses technology to accomplish assigned tasks
Evaluation: List how the above outcomes will be assessed.	**Assessment will be based on the following criteria:** Hands-on computer exercises Lab simulations ePortfolio Project

Instructional Resources: 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.	**Required:** No additional resources are needed **Desired:**
Textbook(s)	Check with Program Coordinator for approved textbook and lab simulation software.