

COURSE SYLLABUS

Course Title:	Operating Systems		Date submitted:	May 2019 (AAC: 19-25)
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)	CST*210	Prerequisites:	
	Course Type:	X	C- or better in Programming Logic and Design with Visual Basic (CSC*126)	
	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			
	Elective Type:	G		
	E: English FA: Fine Arts FL: Foreign Language G: General HI: History HU: Humanities LAS: Liberal Arts & Sciences M: Math S: Science SS: Social Science			
	Credit Hours:	3	Corequisites:	
	Developmental: (yes/no)	No	None	
	Lecture:	3		
	Clinical:	0		
	Lab:	0		
Studio:	0			
Contact Hours:	Other:	0		
	TOTAL:	3	Other Requirements:	
	Class Maximum:	24	None	
	Semesters Offered:	F/S		
Catalog Course Description:	Provides a theoretical and practical study of today's operating systems. This course will analyze what operating systems are, what they do, how they do it, and how they compare with each other. Topics such as memory management, process management, device management, and user interfaces will be explored.			
Topical Outline: List course content in outline format.	1. Overview – What is an Operating System? 2. History of Operating Systems 3. Memory Management 4. Process Management 5. Concurrent Processes 6. Device Management 7. File Management 8. System Management 9. User Interfaces			

	<p>10. The Windows Operating Systems 11. Unix/Linux Operating Systems</p>
<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: COURSE:</p> <ol style="list-style-type: none"> 1. demonstrate an understanding of file, processor, memory, device and system management schemes 2. apply memory management schemes to current operating systems <p>PROGRAM: <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i> Computer Information Systems Associate Degree Program OPERATING SYSTEMS:</p> <ol style="list-style-type: none"> 8. understanding the components of an operating system 9. install, administer and maintain an operating system <p>GENERAL EDUCATION: <i>(Numbering reflects General Education Outcomes as they appear in the college catalog)</i></p> <ol style="list-style-type: none"> 2. Critical Analysis/ Logical Thinking - Students will be able to organize, interpret, and evaluate evidence and ideas within and across disciplines; draw reasoned inferences and defensible conclusions; and solve problems and make decisions based on analytical processes. Demonstrates: Identifies the issue(s); formulates an argument; explains and analyzes relationships clearly; draws reasonable inferences and conclusions that are logical and defensible; provides support by evaluating credible sources of evidence necessary to justify conclusions. Does Not Demonstrate: Identifies few or no issues; formulates an argument without significant focus; provides an unclear explanation of analysis and relationships; drawing few reasonable inferences and conclusions that are illogical and indefensible; provides little to no support using credible sources of evidence necessary to justify conclusions.
<p>Evaluation: List how the above outcomes will be assessed.</p>	<p>Assessment will be based on the following criteria:</p> <ol style="list-style-type: none"> 1. demonstrate understanding of course topics through various modes of assignments (programs, research projects, case studies, etc.) 2. written examinations to demonstrate an understanding of terminology, concepts, skills, and their application 3. at least one project or case study will be uploaded to ePortfolio
<p>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.</p>	<p>Required: None Desired: None</p>
<p>Textbook(s)</p>	<p>Refer to current academic year printout.</p>