

COURSE SYLLABUS

Course Title:	SQL Server Administration		Date submitted:	Spring 2014 (AAC: 14-28)
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)	CSA*260	Prerequisites:	
	Course Type:	X	Database Design I (CSC*231)	
	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:	2		
	Clinical:	0		
	Lab:	1		
Studio:	0			
Contact Hours:	Other: 0			
	TOTAL: 3	Other Requirements:		
	Class Maximum: 24 Semesters Offered: F/S	None		
Catalog Course Description:	Introduces students to Microsoft SQL Server. Students will gain practical experience performing database administration tasks using SQL Server. Topics such as installation, maintenance and administration, object security, query analyzer, backup and recovery will be covered.			
Topical Outline: List course content in outline format.	1. SQL Server Overview 2. Installing and Upgrading SQL Server 3. Managing Database Files 4. Managing Security 5. Performing Administrative Tasks 6. Backing Up Databases 7. Restoring Databases 8. Monitoring SQL Server Performance 9. Transferring Data 10. Introduction to SQL Server Replication 11. Advanced Replication 12. Maintenance and Troubleshooting with SQL Server			
Outcomes: Describe measurable skills or knowledge that	Upon successful completion of this course, the student will be able to do the following:			
	COURSE:			

<p>students should be able to demonstrate as evidence that they have mastered the course content.</p>	<ol style="list-style-type: none"> 1. Utilize the key components of SQL Server 2. Implement a database schema with SQL Server Enterprise Manager 3. Create and manage databases, files and transaction logs 4. Effectively administer SQL Server using Enterprise Manager and Transact- SQL 5. Retrieve and modify data with SQL Tools 6. Replicate data between databases 7. Resolve resource contention problems 8. Utilize SQL server recovery models to backup and restore databases <p>PROGRAM: <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i> Computer Information Systems Associate Degree APPLICATIONS SOFTWARE</p> <ol style="list-style-type: none"> 1. Produce a simple database design and implement database applications using standard query language <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. <p>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.</p> <p>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>
<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. Students will complete hands-on exercises and homework assignments to demonstrate skills. 2. Written examinations to demonstrate an understanding of major facts, procedures and theories. <p>At least one assignment will be uploaded to ePortfolio.</p>
<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: Computer lab Desired: None</p>
<p>Textbook(s)</p>	<p>Refer to current academic year printout.</p>