

**Department Master Syllabus
Camden County College
Blackwood, New Jersey**

Course Title: Database Administration Principles

Course Number: CIS-239

Department/Program Affiliation: Computer Information Systems

Date of Review:

(This Department Master Syllabus has been examined by the program/department faculty members and it is decided that no revision is necessary at this time.)

Date of Last Revision: February, 2018

(This Department Master Syllabus has been examined by the program/department faculty members and it is decided a change requiring a revision is necessary at this time.)

Credits: 3

Contact Hours: Lecture 3 Lab 0 Other 0

Prerequisites: CIS-237

Co-requisites: None

Course Description In this course, the student will prepare for the Microsoft Technology Associate Exam 98-364 – Database Administration Fundamentals. This model and design tools will be exemplified by the use of the MS SQL Server and its developer's tools. This course is taught in a room with computers to allow the students benefit by being able to interact with the material, however, there are no graded or mandatory student computer exercises required during the lecture.

Course Student Learning Outcomes: Cognitive, Psychomotor, Affective Domains)

Upon completion of this course, the student will be able to:

1. **To identify core database concepts** as assessed by tests, class participation, homework assignments.
2. **To create database objects** (tables, views, stored procedures) as assessed by tests, class participation, projects, homework assignments.
3. **To manipulate data** (INSERT, UPDATE, DELETE) as assessed by tests, class participation, and homework assignments
4. **To explain data storage** as assessed by tests, class participation, projects, homework assignments.

5. **To administer a database** (security, backup/restore) as assessed by tests, projects and homework assignments.

Course Outline:

1. Understanding Core Database Concepts
2. Creating Database Objects
3. Manipulating Data
4. Understanding Data Storage.
5. Administering a Database

Course Activities:

The classroom activities will include formal and informal lectures where new material and assigned problems will be explained. Students will have the opportunity to contribute to the discussion and to ask questions about the material. Projects will be done outside of the regularly scheduled classroom hours.

Assessment of Student Learning Outcomes: The student will be evaluated on the degree to which student learning outcomes are achieved. A variety of methods may be used such as tests, class participation, projects, homework assignments, etc.

Course Materials:**Textbook(s):**

Exam 98-364 MTA Database Administration Fundamentals
Paperback – July 12, 2011
by Microsoft Official Academic Course (Author)
ISBN-13: 978-0470889169 ISBN-10: 0470889160
Edition: 1st

Supplemental Materials: TBA