

**DELAWARE TECHNICAL & COMMUNITY COLLEGE
COLLEGEWIDE COURSE SYLLABUS**

CAMPUS: TERRY

DEPARTMENT: Computer Information Systems

COURSE NUMBER AND TITLE: CIS 261 – Database Implementation

INSTRUCTOR NAME: **TELEPHONE:** **E-MAIL:**

PREREQUISITES: CIS 107, CIS 118 or CIS238

COREQUISITES: None

COURSE HOURS AND CREDITS: 4 Credits - 3 Hours Lecture/Week
2 Hours Lab/Week

COURSE DESCRIPTION This course is an introduction to database administration and management with exposure to one of the enterprise level relational databases, such as Oracle. The course will cover database architecture and internal mechanisms. The student should understand basic database relational concepts and language. The course provides preparation for professional certifications such as the Oracle certification exam (#120-041)

TEXT: Department approved textbook(s)...

MATERIALS: None

METHOD OF INSTRUCTION: Lecture, demonstration, laboratory assignments and evaluations.

MANUAL(S): None

DISCLAIMER: None

College wide Core Course Performance Objectives

The student will be able to:

1. Demonstrate an understanding of a Database Architecture. (CC6, 1.PGC4, 1)
2. Demonstrate an understanding how to create a database with tables. (CC 1, 6, 1, 2 PGC 4, 1)
3. Be able to Update a Database. (CC6, 2 PGC 4, 1)
4. Explain Data management. (CC 2, 6 PGC 1, 4)

Measurable Performance objectives

1. Be able to describe a Relational Database Systems.
2. Be able to explain the architecture overview.
3. Be able to demonstrate storage concepts and setting
4. Be able to Create, Modify, rename, and delete Data base Tables
5. Demonstrate knowledge of security management.
6. Demonstrate how to use performance monitoring...
7. Be able to backup and recover a database...
8. Be able to identify how to maintain Database Security
9. be able to explain querying a Database

Evaluation Criteria/Policies

1. Students will demonstrate proficiency on all measurable performance objectives at least to the 75% level to successfully complete the course.
2. The letter grade will be determined using the College Grading System:

Grade	Point Value	Explanation
A	92 - 100	Student meets the measurable objectives in an outstanding manner.
B	83 - 91	Student meets the measurable objectives in an above average manner.
C	75 - 82	Students meets the measurable objectives.
R	0 - 74	Student does not meet the measurable objectives.

3. In order to achieve the maximum benefit from this course of instruction, the student is responsible for attending scheduled classes, completing all readings and instructor handouts, and completing all computer assignments.
4. Each student is required to complete all assignments and examinations. Students who miss classes are expected to get missed assignments from the instructor and missed lecture notes from another student. Any student having difficulty will be expected to seek individual instructional aid from the instructor by appointment.
5. The instructor will announce the schedule for two written tests. Your final grade in this course will be based on the following:

Two tests 50%

Assignments/projects 50%

Students should refer to the Student Handbook for information on Academic Standing Policy, Academic Honesty Policy, Student Rights and Responsibilities and other policies relevant to their academic progress