DELAWARE TECHNICAL & COMMUNITY COLLEGE
COLLEGEWIDE COURSE SYLLABUS

CAMPUS:	TERRY
DEPARTMENT:	Computer Information Systems
COURSE NUMBER AND TITLE:	CIS 238 Database Design and Programming
INSTRUCTOR NAME:	**TELEPHONE:** **E-MAIL:**
PREREQUISITES:	MAT 015 and CIS120 or CIS222 or CIS 118
COREQUISITES:	None
COURSE CREDITS AND HOURS:	4 Credits – 3 Hours Lecture/Week 2 Hours Lab/Week
COURSE DESCRIPTION	This course is an introduction to database programming using Structured Query Language (SQL). The student will have a working knowledge of the databases necessary to apply and manage the key features such as creating, updating, and reporting in order to make informed business decisions
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 SQL language. (CCC 1, 6; .PGC 4,1)
2. Design, Create, and Update a Database. (CCC 2, 6; PGC 1, 4)
3. Design and Create Reports from a query. (CCC 2, 6; PGC 1, 4)

Measurable Performance objectives

1. Demonstrate an understanding of SQL language. (CCC 1,6; .PGC4,1)

    1-1. Describe a relational database systems and SQL.

    1-2. Explain SQL commands.

    1-3. Specify system objects and processes

    1-4. Specify the basic structure of the Select statement and its options.

    1-5. Create the basic building blocks of an SQL database

2. Design, Create and Update a Database (CCC 2, 6: PGC 1,4)

    2-1. Create, modify, rename, and delete data base tables

    2-2. Demonstrate how to query a database.

    2-3. Demonstrate how to create multiple queries and views.

    2-4. Interpret SQL extensions and stored procedures.

3. Design and Create Reports from a query (CCC 2,6; PGC 1,4)

    3-1. Demonstrate how to create and modify reports.

    3-2. Identify how to maintain database security

    3-3. Explain Database Administration

    3-4. Define the constraints to protect data integrity in database tables.

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 programs (the programs will be evaluated using a published programming standard), 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