

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

CAMPUS:	TERRY	
DEPARTMENT:	Computer Information Systems	
COURSE NUMBER AND TITLE:	CIS 263 Database Warehousing & Mining	
INSTRUCTOR NAME:	TELEPHONE:	E-MAIL:
PREREQUISITES:	CIS 262	
COREQUISITES:	None	
COURSE HOURS AND CREDITS:	4 Credits - 3 Hours Lecture/Week 2 Hours Lab/Week	
COURSE DESCRIPTION	This course offers advanced database administration to one of the enterprise level relational databases such as Oracle and will focus on data warehousing, data mining and data drilling.	
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. Explain the terminology and explain the basic concepts of data warehousing. (CCC1,5,6; PGC 1,5,6)
2. Identify the technology and tools to implement a data warehouse.(CCC 3,6; PGC 4,5,6)
3. Describe the process to implement a data warehouse.(CCC1,2,5; PGC (1,2)
4. Explain business, logical and dimensional modeling.(CCC1,2,6; PGC 4,5,6)
5. Describe the components of the data mining process.(CCC 1,2,5,6; PGC 3,6)
6. Explain the problems solved by data mining.(1,2,7; PGC 1,3)
7. Describe data mining standards.(CCC1,4; PGC 5,6)

Measurable Performance objectives

1. Explain the terminology of data warehousing
 - 1.1. Explain the basic concepts of data warehousing.
 - 1.2. Describe business analysis and design stage of data warehousing.
2. Explain the technology and tools to implement a data warehouse.
 - 2.1 Identify the data warehouse modeling issues.
 - 2.2 Describe the data structures for data warehousing.
3. Describe the process to implement a data warehouse.
 - 3.1 Explain how to identify data sources.
 - 3.2 Identify extraction techniques and methods.
 - 3.3. Describe the project management plan.
4. Describe business, logical and dimensional modeling.
 - 4.1 Describe a data mine and data repository. the data mining process.
 - 4.2 Explain how to translate the dimensional model to the physical model..
 - 4.3 List data mining algorithms.
5. Explain the problems solved by data mining.
 - 5.1 Describe data mining administration
 - 5.2 Describe data modeling building and testing models

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3.

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 meet 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