

CIS 4365: Database Applications

Fall, 2012

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Meeting Times

1:30 pm-2:50 pm; BUSN 318

Office Hours

MW: 10:00 AM – 10:30 AM; 1:30 PM – 3:00 PM
TR: 12:00 PM – 1:30 Pm; 3:00 PM – 4:00 PM

Course Credit

The course is designed for students enrolled in CIS 4365 and earns 3 University credit hours. There are no prerequisites.

Course Description

This course has been carefully designed to develop a specific set of skills. Most individuals would consider it a 'technical course', but it is ***NOT*** a training exercise. It corresponds to the old adage "Give a man a fish and he will eat for a day; Teach him how to fish, and he will eat for a lifetime". We will be learning ***how*** to fish here. How to fish in any type of water for any type of fish (well, at least we will begin to).

Course Objectives

Listed below are some of the specific skill areas as well as the objectives which are designed to target learning:

COGNITIVE SKILLS
Objectives:
● To develop a Conceptual basis of Databases
● To understand Database usage in Business
● To understand the simplicity and complexity of Databases
● To conceptualize directions in technology for the future
● To synthesize material from a variety of sources
ANALYTICAL SKILLS
Objectives:
● To judge reliability, integrity, and accuracy of sources of information
● To determine the data types necessary to fulfill business requirements
● To design, analyze, and implement complete database projects
● To translate user needs into functional database tables
● To evaluate presentation of information
TECHNICAL SKILLS
Objectives:
● Learn basics of ERDs
● Learn basics of SQL
● Become familiar with a variety of database applications
● Become familiar with a variety of common database tools
● Design and develop a working database (or two)
CREATIVE SKILLS
Objectives:
● To learn to translate conceptual models into working databases
● To translate ambiguity into operationalized tables
● To translate complexity into simplicity
● To network electronically

Optional Course Materials

Modern Database Management
Hoffer, J., Prescott, M., and Topi, H.
Addison, Wesley, 1999

Grading Policy

The University of Texas at El Paso prides itself on its standards of academic excellence. In all matters of intellectual pursuit, UTEP faculty and students must strive to achieve excellence based on the quality of work produced by the individual. Students are expected to uphold the highest standards of academic

integrity. Any form of scholastic dishonesty is an affront to the pursuit of knowledge and jeopardizes the quality of the degree awarded to all graduates of UTEP. It is imperative, therefore, that the members of this academic community understand the regulations pertaining to academic integrity and that all faculty insist on adherence to these standards. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Proven violations of the detailed regulations, as printed in the Handbook of Operating Procedures (HOP), and available in the Office of the Dean of Students, and the homepage of The Dean of Students (DOS) at www.utep.edu, may result in sanctions ranging from disciplinary probation, to failing grade on the work in question, to a failing grade in the course, or to suspension or dismissal, among others.

The following scale will be used for grading purposes:

- A** 90 - 100 Excellent Work
- B** 80 - 89 Above Average
- C** 70 - 79 Standard
- D** 60 - 69 Sub-Standard
- F** 0 - 59 Unacceptable

"C" work is considered to be doing just what is asked of you which would be standard work. "B" work or above average work is doing more than is asked of you. "A" work shows careful thought, time, and effort put into your work.

Student Responsibility:

Individual students must operate with integrity in their dealings with faculty and other students; engage the learning materials with appropriate attention and dedication; maintain their engagement when challenged by difficult learning activities; contribute to the learning of others; and perform to standards set by the faculty. Class attendance is mandatory. **WARNING:** The letter grade "W" will be assigned automatically to students who withdraw through the last day to drop. No "W" grades will be assigned after that date. An incomplete will be given **ONLY** in case of illness or other extraordinary event. Make sure you inform me of such instances as quickly as possible. If you cease attending you will receive a grade based on the number of points scored up to that time.

If you feel you may have a disability that requires accommodations, contact the Disabled Student Services Office at 747-5148, go to Union Bldg., East, Room 106, or e-mail dss@utep.edu

Course Calendar

The class schedule is structured in order for you to efficiently manage your schoolwork with your other responsibilities. The Schedule given below is *tentative*, and is dependent upon actual class progress (I would rather cover less material and make sure that you fully understand what you have covered). Additional information about the topics to be covered can be found by clicking on the week in which they scheduled

Week	Topic	Items Due/Comments
1	Introduction	FAMILIARIZE YOURSELF WITH THIS WEBSITE !!! Get next set of lecture slide Course Enrollment
	Database Foundations Relational DBMS	
3	Database Foundations Relational DBMS	Database Foundations Reference Relational DBMS Reference
4	Entity Relationship Diagrams	Group Project Membership
5	Entity Relationship Diagrams	
6	TEST 1 Quiz Review	ERD Reference
7	SQL	SQL Reference Research Paper Outline Reviews
8	SQL	Group Project Description
9	SQL	
10	TEST 2 Getting Started in Oracle Database Design	Midterm Comments
11	Database Design	Initial Project
12	Database Design	Database Design Reference
13	Database Administration Presentation Scheduling	Group Project Update
14	Database Administration	Database Administration Reference Executive Summaries
15	TEST 3	
16	Group Presentations	Final Comments Presenting Team Evaluations Group Member Evaluations

* **Actual Course schedule depends on the progress of the class.**

Keep an eye on this Schedule for any changes that might take place.

** **Only if you have chosen this option**

Additional Notes:

1. I don't Expect to run exactly on schedule. Some sections may take more time, some may be completed earlier. If we do fall behind, I will extend the due date for for some assignments. I will let you know in class.
2. Unless otherwise instructed, all items due will be due at at the beginning of class on **Friday**