

MISY3330 – Database Management – Spring 2011

Section	Time	Place
001	MWF 11:00 a.m. – 11:50 a.m.	LIB 135D

Professor:	Joseph S. Mollick Ph. D.	Phone: 825-2853
Office:	254 Faculty Center	http://faculty.tamucc.edu/jmollick/
Office Hours:	MWF 8-9 a.m.; MWF 10-11 a.m.. (no appointment necessary to meet during office hours)	

Prerequisites: Junior or senior standing

Course Objectives:

Upon completion of this course, students should:

- learn the concepts of Entity-Relationship (ER) model and Unified Modeling Languages (UML)
- be able to design and draw a model for a database application
- learn the concepts of Normalization and appreciate why it is important to the database design
- appreciate the benefits and realize the constraints and limitations of database management systems
- gain an experience on how database systems can be constructed using commercial DBMS products
- develop technical writing, teamwork, and presentation skills
- learn concepts of data warehouses and data mining
- learn concepts of database administration
- learn how to conduct research on issues related to database management

Text & Materials:

<http://www.pearsonhighered.com/educator/product/Database-Concepts/9780136086536.page>

- Title: [Database Concepts. 4th edition, 2010](#). Author: David M. Kroenke and David J. Auer
- **Publishing Co.: Prentice Hall** ISBN# 13: 978-0-13-608653-6

Assignments, Project and Research Paper:

Clear guidelines on assignments, the project and the research paper will be given in due course via the class web site located at <http://faculty.tamucc.edu/jmollick/> Students are expected to check the class web site for updated information on assignments and the project. The project will require students to design and develop a database for an organization. The research paper will require students to answer a research question related to database management using relevant literature review and or statistical analysis of empirical data.

Attendance & Participation:

In order to achieve the objectives of this course, students are expected to attend all classes. Students are encouraged to participate in the class as much as possible. Attendances might be checked from time to time. The degree of participation will also be taken into consideration when your final grade is determined. Any suggestions on how to improve the course are always welcome.

Examination and Grading:

Topics	Description	Points
Assignments:	Assignment 1 – The Relational Model	20
	Assignment 2 – Data Normalization	20
	Assignment 3 – Data Queries	20
Project	My Company System <ul style="list-style-type: none">• Proposal (20)• Application (50)• Presentation (10)• Documentation (20)	100
Tests & Paper other	Test 1: Chapters 1, 2 and 3	250
	Test 2: Chapters 4 and 5	250
	Research Paper	100
	Test 3: Chapters 6,7and 8	200
	Attendance, participation and quizzes	40
Total		1000

Tentatively, your grading criteria will be as follows:

Grade	Points required
A	900 and above
B	800-899
C	700-799
D	600-699
F	Less than 600

Code of Ethics

This course as all other ones offered by the College of Business is covered by the COB Student Code of Ethics (available online at www.cob.tamucc.edu) Provisions and stipulations in the code are applicable to all students taking College of Business courses regardless of whether or not they are pursuing a degree awarded by the COB.

Disability Issues:

I would like to hear from anyone who has a disability that may require some modification of seating, testing, or other class requirements so that appropriate arrangements may be made. Please see me after class or during my office hours.

Date	Day	Tentative Schedule for Spring 2011 MISY-3330.001 DATA BASE MANAGEMENT MWF 11:00-11:50 AM LIB-135D	
12-Jan-11	W	Understanding the Course	Dues, Case
14-Jan-11	F	Chapter 1: Getting Started	
17-Jan-11	M	Holiday- No class	
19-Jan-11	W	Chapter 1: Getting Started	
21-Jan-11	F	Chapter 1: Getting Started	
24-Jan-11	M	Chapter 2: The Relational Model	
26-Jan-11	W	Chapter 2: The Relational Model	
28-Jan-11	F	Chapter 2: The Relational Model	
31-Jan-11	M	Chapter 2: The Relational Model	
2-Feb-11	W	Chapter 2: The Relational Model	
4-Feb-11	F	Chapter 2: The Relational Model	Project Proposal due
7-Feb-11	M	Chapter 2: The Relational Model	Paper topic due
9-Feb-11	W	Chapter 3: Structured Query Language	
11-Feb-11	F	Chapter 3: Structured Query Language	
14-Feb-11	M	Chapter 3: Structured Query Language	
16-Feb-11	W	Chapter 3: Structured Query Language	
18-Feb-11	F	Chapter 3: Structured Query Language	
21-Feb-11	M	Chapter 3: Structured Query Language	
23-Feb-11	W	Chapter 3: Structured Query Language	
25-Feb-11	F	Chapter 3: Structured Query Language	
28-Feb-11	M	Test 1 (Ch 1, 2, 3)	
2-Mar-11	W	Chapter 4: Data Modeling and the Entity-Relationship Model	
4-Mar-11	F	Chapter 4: Data Modeling and the Entity-Relationship Model	
7-Mar-11	M	Chapter 4: Data Modeling and the Entity-Relationship Model	
9-Mar-11	W	Chapter 4: Data Modeling and the Entity-Relationship Model	
11-Mar-11	F	<i>Chapter 5: Database Design</i>	
14-Mar-11	M	Spring Break No class	
16-Mar-11	W	Spring Break No class	
18-Mar-11	F	Spring Break No class	
21-Mar-11	M	<i>Chapter 5: Database Design</i>	
23-Mar-11	W	<i>Chapter 5: Database Design</i>	
25-Mar-11	F	<i>Chapter 5: Database Design</i>	
28-Mar-11	M	Chapter 4: Data Modeling and the Entity-Relationship Model	
30-Mar-11	W	Chapter 4: Data Modeling and the Entity-Relationship Model	
1-Apr-11	F	<i>Chapter 5: Database Design</i>	
4-Apr-11	M	<i>Chapter 5: Database Design</i>	
6-Apr-11	W	<i>Chapter 5: Database Design</i>	
8-Apr-11	F	Test 2 (Ch 4, 5)	
11-Apr-11	M	Chapter 6: Database Administration	
13-Apr-11	W	Chapter 6: Database Administration	
15-Apr-11	F	Chapter 6: Database Administration	
18-Apr-11	M	Chapter 7: Database Processing Applications	
20-Apr-11	W	Chapter 7: Database Processing Applications	
22-Apr-11	F	Chapter 7: Database Processing Applications	
25-Apr-11	M	Chapter 8: Database Processing for Business Intelligence Systems	
27-Apr-11	W	Chapter 8: Database Processing for Business Intelligence Systems	Paper Due
29-Apr-11	F	Present Paper in class; Present Project	Project Due
2-May-11	M	Test 3 Chapters 6,7 8	
4-May-11	W	Reading Day-- No class	