

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
COLLEGE OF INDUSTRIAL MANAGEMENT

Department of Accounting & Management Information Systems
Dhahran, Saudi Arabia

MIS 311 – Business Data Management (062)

Instructor	Tel.	Location	E-mail
Dr. Mohammad Saad Al-Ahmadi	7226	24/291	alahmadi@kfupm.edu.sa

Class Times: Section 01 UT 8:30-9:45 am and Section 02 10:00-11:15 am

Office Hours: UT 11:30 am - 1:00 pm

Course Objectives

After completing this course successfully, students should:

1. Be able to explain the advantages and disadvantages of the database as opposed to the traditional file approach to data processing.
2. Have a good understanding of the terminologies and concepts associated with DBMS.
3. Have a good understanding of the various kinds of databases and the support they provide to different levels of management.
4. Be able to undertake and successfully complete logical database design tasks.
5. Be able to use SQL with confidence to implement a relational database, and to maintain and access data in relational databases using SQL.
6. Have a good understanding of the concepts associated with transaction management and concurrency control
7. Have an understanding of issues related to database planning, database administration, and roles of the Data Base Administrator.

Textbook: Rob, P. & Coronel, C., Database Systems: Design, Implementation and Management, published by Course Technology – Thomson Learning, Sixth Edition, 2003.

Course Websites: <http://webcourses.kfupm.edu.sa>
<http://faculty.kfupm.edu.sa/misac/alahmadi>
<http://www.course.com/downloads/mis/robcoronel>

Assessment:

Item	%
First Major Exam	10
Second Major Exam (10% on theoretical concepts and 10% on SQL)	20
Online Discussion Questions (Homework)	10
Two Practical Quizzes (5% each)	10
Class Work (mainly small quizzes and participation)	10
Group Project	10
Self Learning Project	5
Final Exam	25
Total	100

i. Course Policy:

1. The course will be implemented in hybrid mode. That is the course will be delivered partly face to face and partly online.
2. Issues discussed in the textbooks, assignments, and online course materials are subject to be in the quizzes/exams. No make up exams will be given.
3. All reading assignments (chapters and handouts) are to be read prior to class on the day they are assigned. You are expected to participate actively in the discussions in the classes and online discussion topics.
4. Assignments/Projects must be submitted on the due date.
 - Completed assignments should be uploaded from the WebCT environment.
 - Assignments or projects must be done by using appropriate package (like MS Word processor, CASE, and MS ACCESS tools) and be submitted on the due date. You must only use 12 points font in writing your assignments on the word processor. You must always endeavor to provide a complete and satisfactory solution, but if you are unable to do so, at least deliver the work you have managed to complete on time. No late submissions will be accepted.
 - A lower grade will be the consequence of failing to make the deliveries. Whilst you may discuss with your colleagues in answering the assignment, the final submission must be your own effort. You will receive extremely little or no assistance from the instructor for completing the assignments.
 - ***Cheating*** will result in an “F” grade in the course, and further disciplinary action will be pursued.
5. Class Attendance
 - According to the University regulations all students are expected to attend each and every class and laboratory sessions. **Exceeding the limit of unexcused absences will result in a DN grade in the course.** For details, refer to the Undergraduate Bulletin.
 - The course include a series of Laboratory sessions on SQL

ii. Students' Role:

In the online course, students' role and their study habits will be different in the sense they will be doing self-reading and try to understand the given contents by themselves with little explanation help from the instructor side. In this way, they will be more self-dependent cognitively.

iii. Instructor's Role:

The instructor role will be as a facilitator, in that he gives guidance, directions, answer students' questions, initiate online discussion topics.

iv. WebCT Implementation:

The following information will be provided to the students through WebCT environment.

- Course Syllabus
- Course Calendar
- Conceptual Units
- Practical Lessons
- Practical Videos
- Practice Quizzes and Review Questions
- Communications Tools
- Grades & Progress
- Announcements
- Assignments
- Glossary
- Help Center

v. Study Guidelines:

Students are required to go through the material provided to them on WebCT regularly and refer to the textbook. The practice quizzes, review questions, online discussions will enhance students' understanding of the course materials. The practical units will consist of some hands-on video sessions which are provided on the WebCT. The weekly study guide is given in the course schedule in Section vii. The following study guidelines can be helpful in a successful coverage of the course.

- Carefully follow the course syllabus of the MIS311 Online Course designed by the course instructor.
- Use the WebCT tool to access the units of the course.
- Read the conceptual units and then answer the concept check questions and the given units' quizzes online. Answering the concept check questions and the units' quizzes help increase understanding and memorization of the units details.

- Read the concepts of the practical units, and to increase understanding and memorization of the units details go through the given demonstrations and solved exercises, and then work out the unsolved exercises.
- Attend all quizzes, practical tests, and examinations scheduled by the course instructor. Participate in class paper writing and online discussion topics. The assessment and learning activities are designed to increase your knowledge and skills of the course materials.

vi. Course Exam Dates:

- Final Exam Tuesday 7:00 PM, June 5, 2007
- Other exam dates are listed in the semester plan in the next section.

vii. Semester Plan* :

Week	Date	Topics Covered	Readings
1	18-Feb-07 - 20-Feb-07	Course Overview & Introduction to DBMS and File System	Chapter 1 & Concept Unit 1
2	25-Feb-07 - 27-Feb-07	Data Models	Chapter 2 & Concept Unit 2
3	4-Mar-07 - 6-Mar-07	Relational Model	Chapter 3 & Concept Unit 3
4	11-Mar-07 - 13-Mar-07	Relational Model	Chapter 3 & Concept Unit 3
5	18-Mar-07	First Major Exam and First Practical Quiz from 8:30 - 10:30 p.m. in OAB	Chapters 1, 2, and 3
	18-Mar-07 - 20-Mar-07	SQL (Lecture and Lab Practice) Self Learning Project available online	Chapter 6 & Concept Unit 6
6	25-Mar-07 - 27-Mar-07	SQL (Lecture and Lab Practice) Group Project available online	Chapter 6 & Concept Unit 6
7	1-Apr-07 - 3-Apr-07	SQL and Advanced SQL (Lecture and Lab Practice)	Chapter 7 & Concept Unit 7
8	8-Apr-07 - 10-Apr-07	SQL and Advanced SQL (Lecture and Lab Practice)	Chapter 7 & Concept Unit 7
9	12-Apr-07 - 15-Apr-07	Midterm Vacation	
	17-Apr-07	Database Design (ER Modeling)	Chapter 4 & Concept Unit 4

Week	Date	Topics Covered	Readings
10	22-Apr-07 - 24-Apr-07	Database Design (ER Modeling)	Chapter 4 & Concept Unit 4
11	29-Apr-07 - 1-May-07	Database Design (Data Normalization)	Chapter 5 & Concept Unit 5
12	6-May-07	Self Learning Project Due	
	6-May-07 - 8-May-07	Database Design and DB Life Cycle	Chapter 8 & Concept Unit 8
	9-May-07	Second Major Exam from 8:30 – 10:30 p.m. in OAB	Chapters 6 & 7
13	13-May-07	Practical Quiz #2 on ER Modeling and Database Design	Mainly Ch# 4 (&5)
	15-May-07	Transaction Management & Concurrency Control	Chapter 9 & Concept Unit 9
14	20-May-07 - 22-May-07	Transaction Management & Concurrency Control	Chapter 9 & Concept Unit 9
	22-May-07	Group Project Due	
15	27-May-07 - 29-May-07	Database Administration	Chapter 15 & Concept Unit 10
16	3-Jun-07	Database Administration	Chapter 15 & Concept Unit 10
17	4-Jun-07 - 14-Jun-07	Final Exams MIS311 Final Exam: Tuesday 7:00 PM, June 5, 2007	Chapters 4, 5, 8, 9, and 15

* Tentative plan – it might be slightly modified during the semester