



CT1313: Database Design

Spring, 2015

Instructor Information:

Name: Khulud Alsultan

Email: kalsultan1@ksu.edu.sa

Website: <http://fac.ksu.edu.sa/kalsultan1>

Office: Building 26 / Lab 3

Office hours: Sunday, Tuesday, and Thursday 09:00 to 10:00

Tuesday 01:00 to 02:00

Monday 12:00 to 01:00

Class Schedule:

Sunday 10:00 to 12:00

Monday 10:00 to 11:00

Monday 11:00 to 12:00 (Lab)

Course Description:

This course is an overview of database systems, at the end of course, student should be able to use one type of database management systems, have necessary background for designing and implementing databases of moderate complexity, implement a relational database schema using SQL, write queries in relational database.

Grading Policy:

Final Exam: 40

Mid-Term I: 15

Mid-Term II: 15

Project: 10

Quizzes: 10

Homework, Participation, and Lab: 10

References:

- SQL: A Beginner's Guide", by Robert Sheldon R. Elmasri and S. B. Navathe (2004). Fundamentals of Database system.
- Database Systems Concepts, Silberschatz, Korth, Sudarshan, 5TH edition Mc Graw Hill.
- In addition to the above, the lecturer will provide the students with handouts and lecture notes.

Course Academic Calendar:

Week	Date	Lecture Topics	Lab
1	05/04	Introduction	Review
2	12/04	Relational Algebra	Lab1
3	19/04	SQL Overview	Lab2
4	26/04	SQL Creating and Managing Tables	Lab3 + Quiz#1
5	03/05	Including Constraints	Lab4
6	10/05	Manipulating Data	Lab5
7	17/05	Writing Basic SQL Select Statements	Lab6+ Quiz#2 +Project Milestone 1 due
8	24/05	Restricting and Sorting Data	Mid-Term I (Monday 25/5)
9	02/06	Spring Break	Spring Break
10	09/06	Single-Row Functions	Lab7 + Quiz#3
11	16/06	Aggregating Data Using Group Functions	Lab8 + Project Milestone 2 due
12	23/06	Displaying Data from Multiple Tables	Lab9 + Quiz#4
13	30/06	Disk Storage Index Structures for Files	Mid-Term II (Monday 1/7)
14	07/07	Revision	Lab 10
15	14/07	Project Discussion	Project Milestone 3 due
16	21/07	Revision	Revision
17	28/07	Final Exam Week	
18	06/08	Final Exam Week	
19	13/08	Final Exam Week	

Email and Homework Policy:

- Homework due dates will be during tutorial class.
- Late homework will not be accepted, you have to send homework before OR during class time.
- If you would like to send me email, please add your full name and course name to the subject line.

Class Policy:

- Attendance is very important, if you absent more than 25% of lectures , you will be not able to get final exam
- If you come late, you can attend the lecture, but if you come late for three times, you will be considered absent.
- If you miss one of the major exams, you will be not excused unless the instructor accepts your formal medical report.
- This course requires constant studying if you have any questions do not hesitate to come and ask me at any time or email me.