King Saud University

College of Applied Studies and Community Service

Natural Science and Engineering Program

First Semester 1438/1439 A.H.

**1203 CSC**

**Introduction to Database**

**Instructor:**

Boshra AlQureashi.

**Contact Information:**

**Office hours:** Sunday (12-1), Wednesday (10-11), Building 26 , lab 4

**Email:** balqrashi@ksu.edu.sa

**Website:** http://fac.ksu.edu.sa/balqrashi

**Credit Hours:** 3 hours (2+2)

**Course Description:**

These topics will be covered during the course:

* + Introduction to Databases
  + Database Environment
  + Entity Relationship
  + Enhanced Entity Relationship Modeling
  + The Relational Model
  + Data Manipulation Language
  + Data Definition Language
  + Normalization

**Course Learning Outcomes**:

This course requires the student to demonstrate the following:

* + Define program-data independence, data models for database systems, database schema and database instances.
  + Identify Structure Query Language statements used in creation and manipulation of database.
  + Identify the modeling methodologies including conceptual(through Entity Relationship), logical, and physical  model.
  + Develop and evaluate a real database application using a database management system.
  + Improve teamwork management and communication skills.

**Reference:**

* Handouts & lecture notes
* Text Book :
  + - Elmasri and Navathe, “Fundamentals of Database Systems”, 6th Edition, Addison-Wesley, 2011.
    - Thomas Connolly, Carolyn Begg, “Database Systems: A Practical Approach to Design, Implementation and Management”, 5th Edition, Addison-Wesley, 2009.

**Lecture Time:**

Wednesday , Thursday 11-1

**Grades:**

* First Mid 20%
* Second Mid 15%
* Quizzes 15%
* Assignments & tutorial 10%
* Final Exam 40%

**Course Rules:**

1. Please check the instructor's **website** for course material and announcements and Don’t forget to update your phone number in edugate !and your academic email
2. Attendance is very important, if you miss class more than **25%** you are not allowed to enter the final exam.
3. Late attendance is not considered. You may attend but you’re considered absent.
4. Copied assignment will be marked by zero.
5. Late assignment will not be accepted.
6. Midterms and quizzes attendance is very important. You cannot be excused unless the instructor accepts your formal medical report.
7. If you absent for medication or other mitigation reason, you must provide documentary evidence in the next lecturer to justify your absence.
8. You must provide documentary evidence within 72 hours after the exam period to justify your absence.
9. If your absent does not meet the stated criteria, you will be given a zero for the exam.
10. Otherwise, your absence will be deemed a good cause and you will be automatically re-enterd to set the missed examination at the end of the semester in the whole course.

**Course Plan:**

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| **Week** | **Exams** |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 | **First Quiz Thursday Oct 19 - 29/1/1439** |
| 6 | **(Mid 1) Thursday 6/2/1439 , Oct 26** |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 | **Second Quiz Thursday Nov 23 - 5/3/1439** |
| 11 |  |
| 12 | **(Mid 2) Thursday 19/3/1439 , Dec 7** |
| 13 | **Third Quiz Thursday Dec 14 - 26/3/1439** |
| 14 |  |