King Saud University

College of Applied Studies and Community Service

Natural Science and Engineering Program

First Semester 1437/1438 A.H.

**GC312**

**Database Management Systems**

**Instructor:**

Boshra AlQureashi.

**Contact Information:**

**Office hours:** Sunday ( 9-10) , Monday(10-11), Thursday(9-10).

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**Credit Hours:** 4 hours (2+2+1)

**Course Description**:

Databases represent a fundamental subject in computer science and information technology today. Databases are used everywhere in organizations to manage data assets. The objective of this course for the students are:

Apply Advanced data modeling concepts: Advanced Relational data modeling, Object-Oriented data modeling; Apply Database Design Theory, Produce The Physical design of databases ,Check Database Integrity; Apply Concurrency Control: concurrency problems, concurrency approaches; Apply Database Recovery, Recovery solutions and approaches; Implement Database Security, Select the appropriate DBMS

**Lecture Time:**

Sunday 10-11,Monday 8-10, Wednesday 1-3.

**Grades:**

**20%** Mid-1 **20%** Mid-2 **5%** lab  **15%** quiz **40%** Final Exam

**Course Rules:**

1. Please check the instructor's **website** for course material and announcements.

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. Midterms and quizzes attendance is very important. You cannot be excused unless the instructor accepts your formal medical report.

**Course Plan:**

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| **Week** | **Topics** | **Exam** |
| **1** | **-** |  |
| **2** |  |  |
| **3** |  |
| **4** |  |  |
| **5** |  | **Q1 Sunday Oct 16** |
| **6** |  |  |
| **7** |  | **Mid 1** Sunday  **Oct 30 – 29/1/1438** |
| **8** |  |  |
| **9** | **Mid Term Break** |  |
| **10** |  |  |
| **11** |  | **Q2 Monday Nov 28** |
| **12** |  | **Mid 2** Monday  **Dec 5 – 6/3/1438** |
| **13** |  | **Q3 Monday Dec 12** |
| **14** |  |  |
| **15** |  |  |
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