King Saud University

College of Applied Studies and Community Service

Natural Science and Engineering Program

Second Semester 1436/1437 A.H.

**CSC 1202**

**Introduction to Communications and Information Networks**

**Instructor:**

Boshra AlQureashi.

**Contact Information:**

**Office hours:** Sunday ( 10-11) , Tuesday (10-11).

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**Credit Hours:** 3 hours (3 Lecture)

**Course Description**:

Networks development, function elements and types, communication systems, communication transmission media, switching techniques: circuit switching, packet switching; Networks connectivity and information routing, Networks protocols, international standards, Internet and Intranets components and their operational methodologies, internet services and high speed networks.

**Prerequisites:**None.

**Reference:**

* Handouts & lecture notes
* Text Book : Data communication and networking, by: Behrouz A Forouzan, 3rd edition or higher, ISBN-10: 0073250325, ISBN-13: 978-0073250328

**Lecture Time:**

Sunday 9-10, Tuesday 9-10, Thursday 9-10.

**Grades:**

**15%** Mid-1 **15%** Mid-2**15%** Quizzes **7%** Attendance+HW **8%** Research

**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** | **Exams** |
| 2 | Introduction to Networking |  |
| 3 | Network Topology |  |
| 4 | The OSI Reference Model | **First Quiz Tuesday Feb9** |
| 5 | The OSI Reference Model |  |
| 6 | Transmission media |  |
| 7 | Packetizing-Multiple Access Methods-Error Detection | **(Mid 1) Tuesday**  **21/5/1437 H , Mars 1** |
| 8 | Ethernet and Token Ring LAN Networks | **Second Quiz Tuesday Mar8** |
| 9 | Mid Term Break |  |
| 10 | Expanding Networks |  |
| 11 | Network Protocols |  |
| 12 | IP Addressing | **Third Quiz Tuesday Apr5** |
| 13 | IP Addressing | **(Mid 2) Tuesday**  **5/7/1437 H , April 12** |
| 14 | Internet and Intranet |  |
| 15 | revision |  |