**CSC 1202**

**Introduction to Communications and Information Networks**

**Autumn 2016**

**Section 212**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Contact :** | **Office** | **Office hours** | **Lecture times** | **Lecturer** |
| Email : [oalfageeh@ksu.sa](mailto:oalfageeh@ksu.sa)  Website : <http://fac.ksu.edu.sa/oalfageeh> | # 2 ground floor building # 26 | Sunday : 11-1  Tuesday : 11-12 | Tuesday : 9-10  Thursday : 8- 10 | Ommalhasan AlFageeh |

**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.

**Credit Hours:** 3 hours

**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

**Grades Distribution:**

|  |  |
| --- | --- |
| **Quizzes** | **15** |
| **Med1** | **20** |
| **Med2** | **20** |
| **Attendance & homework** | **5** |
| **Final Exam** | **40** |

**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**  **( the beginning of the week / Hijri calendar)** | | **topics** | **Exams** |
| 1 | 17-21 |  |  |
| 2 | 24-12 | Introduction to Networking |  |
| 3 | 1-1 | Network Topology |  |
| 4 | 8-1 | The OSI Reference Model | **First Quiz**  **(Tuesday)** |
| 5 | 15-1 | The OSI Reference Model |  |
| 6 | 22-1 | Transmission media |  |
| 7 | 29-1 | Packetizing-Multiple Access Methods-Error Detection | **(Mid 1 )**  **(Thursday)** |
| 8 | 6-2 | Ethernet and Token Ring LAN Networks |  |
| 9 | 13-2 | Mid Tearm Break |  |
| 10 | 20-2 | Expanding Networks |  |
| 11 | 27-2 | Network Protocols | **Second Quiz**  **(Tuesday)** |
| 12 | 5-3 | IP Addressing |  |
| 13 | 12-3 | IP Addressing | **(Mid 2)**  **(Thursday)** |
| 14 | 19-3 | Internet and Intranet |  |
| 15 | 26-3 | Revision |  |
| 16 | 3-4 | Revision |  |
| 17 | 10-4 | Finals |  |
| 18 | 17-4 | Finals |  |
| 19 | 24-4 | Finals |  |
| 20 | **Mid Year Break** | | |