

1202 عال (مقدمة في شبكات الاتصالات)

شعبة: 708

عدد ساعات المقرر: 3 ساعات

| عضو هيئة التدريس              | أوقات المحاضرات               | الساعات المكتبية | المكتب                               | البريد الإلكتروني/ الموقع   |
|-------------------------------|-------------------------------|------------------|--------------------------------------|---|
| أسيل الهدلق<br>Aseel Alhadlaq | الأربعاء ٨-٩<br>- الخميس ٨-١٠ | الخميس ١٠-١٢     | مبنى 26 الدور<br>الأول م 7<br>جناح أ | البريد الإلكتروني:<br><a href="mailto:asalhadlaq@ksu.edu.sa">asalhadlaq@ksu.edu.sa</a><br>الموقع<br><a href="http://fac.ksu.edu.sa/asalhadlaq">http://fac.ksu.edu.sa/asalhadlaq</a> |

### 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.

### Grade Distribution

|                   |    |
|-------------------|----|
| Quizzes           | 10 |
| Mid1              | 20 |
| Mid 2             | 20 |
| Project           | 10 |
| Final Examination | 40 |

### Exams and quizzes:

|           |           |
|-----------|-----------|
| Quiz 1    | 8/3/2017  |
| Midterm 1 | 23/3/2017 |
| Quiz 2    | 27/4/2017 |
| Midterm 2 | 11/5/2017 |
| Project   | 17/5/2017 |

### Course Material:

- Handouts & lecture notes

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

## 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:

| Week | Topics  |
|------|---|
| 1    | Introduction  |
| 2    | Introduction to Networking                          |
| 3    | Network Topology                                    |
| 4    | The OSI Reference Model                             |
| 5    | The OSI Reference Model                             |
| 6    | Transmission media                                  |
| 7    | Packetizing-Multiple Access Methods-Error Detection |
| 8    | Expanding Networks                                  |
| 9    | Mid-Term Break                                      |
| 10   | Network Protocols                                   |
| 11   | IP Addressing                                       |
| 12   | Network Protocols                                   |

|    |          |
|----|----------|
| 13 | WAN      |
| 14 | Internet |
| 15 | revision |
| 16 | revision |

WISH YOU ALL LUCK AND SUCCESS