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| **King Saud University**  **College of Applied Studies and Community Service**  **Natural Science and Engineering Program** |  |

**Wide Area Networks and Internet**

**1403CT**

1st Semester 1438/1439

Instructor:Nour Alhariqi

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Office Hours: SUN: 12- 1 and by appointments

Credit Hours: 3 hours

pre-requisites: Local Area Networks (CT1303)

Course Description:

Students are introduced to: Wide Area Networks (WANs) definition; Types of WANs (Internet and ATMs); Internet protocols and applications; TCP/IP/UDP protocols; Transmission protocols; Internet and intranets components; Firewalls protocols; High speed networks protocols and applications; ATM protocols; and High speed networks.

Course objectives:

* Introducing the characteristics and architecture of wide area networks and Internet.
* Understanding the concepts of TCP/IP.
* Understanding the protocols and standards of wide area networks.
* Familiarizing with the switching and routing techniques.
* Providing the knowledge of the contemporary wide area networks.

Grading Policy:

First Mid 17.5% Date: TUS Nov 7 Week 8

Second Mid 17.5% Date: TUS Dec19 Week 14

Quizes 15% Date: Oct 24 Week 6 and Dec5 Week 12

Homework 10% Final Exam 40%

Class Rules:

* Please print lecture notes.
* Attendance is very important.
* If you are late you may attend but you will be considered absent.
* If you miss one of the major exams you will be not excused unless the instructor accepts your formal medical report and it will cover both Mids