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

**Wide Area Networks and Internet Lab**

**NET 306**

1st Semester 1438/1439

Instructor:Nour Alhariqi

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Office Hours: SUN: 12-1 and by appointment

Credit Hours: 2 hours (4 hours labs)

Co-requisites: NET 305 - Wide Area Networks and Internet Technologies Course objectives:

The primary focus of this course-lab is on accessing wide area networks (WAN). The goal is to develop an understanding of various WAN technologies to connect small- to medium-sized business networks. The aims of the course are the following:

• Introduces WAN converged applications and quality of service (QoS)

• Introduce Point-to-Point Protocol (PPP)

• Introduce Frame Relay technologies

• Discuss WAN security and types of threats

• Introduce Access-Control Lists and their use to accomplish security

• Introduce Network Address Translation and DHCP protocol

• Give simplified enterprise networks troubleshooting procedure

Grading Policy:

First Mid 20% Date: Wed Nov 8 Week 8

Second Mid 20% Date: Wed Dec20 Week 14

Evaluations 10%

Homework 10% Final Exam 40%

Reference:

Lecture notes Lab worksheets

Class Rules:

* Please print lecture notes and lab worksheets.
* Please check your email at evening before the lecture day.
* 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