



المملكة العربية السعودية
جامعة الملك سعود
كلية المجتمع في الرياض
قسم علوم الحاسب
برنامج علوم الحاسب

Course Title:	COMP 241 Computer Networks
Credit Hours:	3 Hours (2 hrs. Lecture + 2 hrs. Lab)
Pre-requisite:	COMP 123 Operating Systems
Course Level:	Level – 4

Time Table and Office hours

	Sat	Sun	Mon	Tue	Wed
Lecture	-	8-10 AM	-	8-10 AM	-
Office Hours	Any time available	Any time available	Any time available	Any time available	Any time available

Course Description

This course provides an introduction to the computer networks. The course includes the following topics:

1. The principles of computer networks.
2. Network protocols.
3. The OSI , TCP models.
4. The network topologies.
5. Ethernet fundamentals and switching.
6. Network media and cabling.
7. The routing principles.
8. Network subnetting
9. Network troubleshooting.

Course Objectives

At the end of this course students should know:

1. The principles of computer networks.
2. Networking devices.
3. Network bandwidth.
4. Network protocols.
5. The OSI , TCP models.
6. The network topologies.
7. The main features of LAN and WAN.
8. Ethernet technologies.
9. Ethernet switching.
10. Networking media and cabling.
11. The routing principles.

should comprehend:

12. IP addressing, Sub netting.
13. Network Administration.
14. Network troubleshooting.

15. Network configuration.

And should be able to:

16. Determine the amount of loss of the signal.

17. Install a small LAN.

18. Test cables of a computer network.

Course Contents:

WEEK	TOPICS
1	Introduction to Networking
2	Networking Fundamentals
3	Networking Media
4, 5	Cable testing
6, 7	LANs & WANs
8, 9	Ethernet Fundamentals
10	Ethernet Topologies
11, 12	Ethernet Switching
13, 14, 15	TCP/IP Protocol & Addressing
	Routing Fundamentals & Subnetting
16	<u>Final Exam</u>

Grading Policy

First Exam(30/04/1434H)	Second Exam(18/06/1434H)	Student activates	Final Exam
15 marks	15 marks	30 marks	40 marks

Attendance Policy

All students must have a minimum of 75% attendance, failing which may result in debarring from the course.

Required Textbook and learning resources

- **Computer Networks by Andrew S. Tanenbaum. Third edition. Prentice Hall, 2003**
- **<http://lms.ksu.edu.sa>**
- **<http://faculty.ksu.edu.sa/amoon>**

Contact Me

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