

Kingdom of Saudi Arabia  
Ministry Of Higher Education  
Majmaah University  
Deanship of Quality assurance  
and Human Development



## **Course Specification**

**CIS 445**

*Computer Network (2)*

1431/1432

## **Course Specification**

Institution: AL Majmaah University
College/Department : al Zulfi collage of science

**A- Course Identification and General Information**

1. Course title and code: Computer network (2) / CIS 445
2. Credit hours: 4
4. Name of faculty member responsible for the course: Sami Smadi
5. Level/year at which this course is offered: 6 <sup>th</sup>
6. Co-requisites for this course (if any): CIS 345
7. Location if not on main campus

**B- Objectives**

<p>1. Summary of the main learning outcomes for students enrolled in the course.  On completion of this course the students are expected</p> <ol style="list-style-type: none"> <li>1. To know what is networks and how it operates</li> <li>2. To have knowledge of the different types of network exists.</li> <li>3. To have knowledge of protocols.</li> <li>4. To know how to design and implement a network.</li> <li>5. To know how to secure a network.</li> </ol>
--

**C- Course Description** (Note: General description in the form to be used for the Bulletin or Handbook should be attached)

1. Topics to be Covered		
List of Topics	No of Weeks	Contact hours
IP Addressing and Routing Protocols	2	6
Wireless and Mobile Networks	3	9

<b>Network Security</b>	3	9
Multimedia networking & Quality Of Service	2	6
Advanced TCP Algorithms	2	6
Advanced Topics	2	6

2. Course components (total contact hours per semester):

Lecture: 42	Tutorial: 14	Laboratory: 28	Practical/Field work/Internship	Other:
-------------	--------------	----------------	---------------------------------	--------

3. Additional private study/learning hours expected for students per week. (This should be an average for the semester not a specific requirement in each week)

4. Schedule of Assessment Tasks for Students During the Semester

#### **D- E Learning Resources.**

1. Required Text(s)

Computer NetWorks 4th Ed., Andrew S. Tanenbaum, Prentice Hall 2003

2. Essential References

Data Communication and Networking 2nd Ed., Behrouz A. Forouzan

3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List)

4- Electronic Materials, Web Sites etc

5- Other learning material such as computer-based programs/CD, professional standards/regulations

#### **E- Assessment**

First Exam 15%

Second Exam 15%

Practical 10%

Final 60%