



**Course Syllabus:** CSC 1202 Introduction to Communications and Info. Networks

**Class hours:** SAT MON WED 9- 10 AM

**Instructor:** Nouf AlJaffan

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**Office:** Room 24, 2<sup>nd</sup> floor, B building.

**Office Hours:** SAT (8-9 AM, 12-1 PM) and TUS (9-11 AM)

**Main course objectives:** At the end of this semester, students will understand the basic concepts of data communication, networking standards & protocols.

Week	Basic and support material to be covered	Homework/reports and their due dates
(2)	Introduction To Networks Types & Applications , Network ISO model , IEEE Model , Networks Standard organization	
(3)	Data Transmission Concepts , Signals & Data , bandwidth , Bit rate , Data impairments	
(4)	Physical layer , Network channel , wired & wireless channels , Data coding & Modulation , Type of signals & Modulation Techniques	
(5)	Physical layer , Network channel , wired & wireless channels , Data coding & Modulation , Type of signals & Modulation Techniques	First Quiz -
(6)	Physical layer , Network channel , wired & wireless channels , Data coding & Modulation , Type of signals & Modulation Techniques	First examination on MON
(7)	Data link layer, Transmission Modes , Network Topology , Interfacing Techniques & Standards , Error Detection Techniques	
(8)	Data Link Protocols , Stop &Wait , Go Back N , Selective Repeat , HDLC Protocol s	
(9)	Spring Break	
(10)	LAN Concepts , Topology , Applications , Devices , LAN MAC protocols	Second Quiz
(11)	WAN Networking , Switching Techniques , Wan Standards , Sample Of WAN : ATM	Second examination on Mon
(12)	Internet Concepts: Application Services , TCP/IP Protocols , DNS , Web protocols	
(13)	Internet Concepts: Application Services , TCP/IP Protocols , DNS , Web protocols	
(14)		Project Evaluation



**Reference:**

- Handouts and lecture notes.
- Data communication and networking, by: Behrouz A Forouzan, 3rd edition or higher, ISBN-10: 0073250325, ISBN-13: 978-0073250328

**Grades:**

15% Mid      15% Mid two      15% Mid three      15% Lab assessment      40% Final Exam

**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. If you absent for medication or other mitigating reason, you must provide documentary evidence **within 72 Hours** to justify your absence.
- 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. If your absent does not meet the stated criteria, you will be given a zero for the exam. Otherwise, your absence will be deemed to be with good cause and you will be automatically re-entered to sit the missed examination at the end of the semester.
- 5- Lab work requires your attendance. It is **not a group work** therefore you need to study before the lab time to be able to finish the required assignments. Please keep a flash memory with you to save your work.
- 6- **Cheating will be dealt with harshly.** At best you will receive a 0. At worst you will be referred to the office of student affairs for academic misconduct.