

King Fahd University of Petroleum and Minerals
Computer Engineering Department
COE 353 - Fundamentals of Computer Communication
Syllabus for Term 072

Course Description

Fundamentals of digital communication, voice and data transmission equipment, protocols and software, communication channels, data coding and modulations, multiplexing modems, transmission media, data transmission codes, Local Area Networks, Wide Area Networks, planning and designing of communication network, wireless networking, network security.

Instructor

Name: *Mr. Masud-ul-Hasan*

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Office Hours

S.M.W. 11:00AM – 11:50AM or by appointment

Textbook

James E. Goldman & Phillip Rawles, *Applied Data Communications: A Business-Oriented Approach*, 4th Edition, John Wiley & Sons.

Topics to be covered

1. Data communication industry
2. Data communication concepts
3. Basic Data Communication Technology
4. Local Area Networks (LANs) architecture
5. Voice Communication Concepts and Technology
6. Wireless Networking
7. Wide Area Networks
8. Network Security

Lectures

Section 02: S.M.W. 10:00 to 10:50 AM Room 24-149

Grading Policy

Quizzes	25%	Dates will be announced during the lectures	
1 st Major Exam	20%	6:00 PM	Mon. 17 th March, 2008
2 nd Major Exam	20%	6:30 PM	Mon. 12 th May, 2008
Final Exam	30%	7:30 AM	Mon. 9 th June, 2008 (comprehensive)
Attendance	5%		

Attendance

- Regular attendance is the university requirement. Attendance will be taken at the beginning of every class.

- Whenever the number of unexcused absences **exceeds 20%** of the held classes, the DN grade will be reported without any formal warning as per the university rule.
- For every unexcused absence, there will be 0.5% grade deduction.
- Three late attendances will result one absence.

Class Discussion

Participation in class discussion is very much encouraged. Asking questions during lectures helps both the instructor and the students. The instructor gets the feedback and the students get the point clarified. Students are encouraged to study book for the preparation of course rather than lecture slides.

Grading Issues

All the grading issues must be resolved within a week after the return of graded material.

Make Ups

Sorry, no make up exams/quizzes will be given.

General Notes

- Cheating is not allowed. Severe measures will be taken by the instructor.
- Mobile phones **must** be turned off or made silent during the class time and exams.