THE SCHOOL OF MANAGEMENT
THE UNIVERSITY OF TEXAS AT DALLAS

Business Data Communications
Syllabus

Fall 2002
BA4323

Instructor: Radha Mookerjee, Ph.D.
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Website: http://www.utdallas.edu/~radham
Office hours: Tue./Thurs: 10:30 – 12:00

Teaching Assistant
The TA for this course is Hulisi Ogut. He will be available to answer all questions regarding home work assignments. His contact information and office hours are given below.

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Text
The text for the course is *Business Data Communications and Networking* by **Jerry Fitzgerald and Alan Dennis**. Seventh Edition, 2002, John Wiley and Sons.

Course Objective
This class is designed to introduce the important field of data communications. Data communications is the transfer of information between computerized devices. In today's business environment, value is increased by knowledge, as well as by the speed of dissemination of knowledge. Understanding the principles, technologies and capabilities of data communications is therefore more important than ever in IT organizations.
This class will help you achieve the following objectives:

- Acquire a thorough understanding of data communications and networking requirements
- Understand communications technologies well enough to analyze and design business data network applications
- Evaluate, select, and implement communication options within organizations
- Consider management, security, and business related issues as they relate to the field

Grading

Exam I	20%
Exam II	20%
Exam III	20%
Homework	30%
Class Participation	10%
Total	100%

All changes in assignments or schedules will be posted on WebCT. It is your responsibility check for changes at least twice a week. It is also your responsibility to complete and submit Homework 0 to make sure that you can access your WebCT account.

If you are dialing into UTD to access E-mail or the World Wide Web, you may have trouble getting connected for various reasons. Make sure that you give yourself enough lead-time to complete assignments. Because you will almost always have access to these systems on campus, busy modems or other technical problems are not accepted as excuses for late assignments.

Exams

Exams will consist of multiple choice, fill-in-the-blanks questions, and short answer essays. Any exam grading disputes must be submitted in writing within two weeks of the results.
You are expected to bring a full page *Scantron sheet (1712 Pink Form)* for all exams. No other type of Scantron forms will be acceptable.

Participation

Students are expected to attend all classes and to have read the assigned material. A great deal of learning takes place when you articulate your views and ask questions in class. Thus, class participation is very beneficial (as well as required!). I will routinely call on students to participate in the discussion of issues.

Business Data Communications

Schedule

Date	Topic	Readings
08/26/02	Introduction to Data Communications	Chapter 1
08/28/02	Introduction to Data Communications (contd)	Chapter 1
09/03/02	**Homework 0 Due**	
09/04/02	Network Applications	Chapter 2
09/09/02	Network Applications (contd)	Chapter 2
09/11/02	The Physical Layer	Chapter 3
09/16/02	The Physical Layer (contd)	Chapter 3
09/18/02	The Physical Layer (concluded)	Chapter 3
09/23/02	The Data Link Layer	Chapter 4
09/25/02	The Data Link Layer (contd)	Chapter 4
09/30/02	The Data Link Layer (contd) **Homework 1 Due**	Chapter 4
10/02/02	**Exam I**	**Chapters 1, 2, 3, 4**
10/07/02	Network and Transport Layer	Chapter 5
10/09/02	Network and Transport Layer	Chapter 5 (contd.)
10/14/02	Network and Transport Layer (contd)	Chapter 5
10/16/02	Local Area Networks	Chapter 6
10/21/02	Local Area Networks (contd)	Chapter 6
10/23/02	Backbone Networks	Chapter 7
10/28/02	Backbone Networks (contd)	Chapter 7
10/30/02	Metropolitan and Wide Area Networks	
10/31/02	**Homework 2 Due**	
11/04/02	**Exam II**	**Chapters 5, 6, 7, 8**
11/06/02	The Internet	Chapter 9
11/11/02	Network Security	Chapter 10
11/13/02	Network Security (contd)	Chapter 10
11/18/02	Network Security (contd)	Chapter 10
11/20/02	Network Design	Chapter 11
11/25/02	Network Management	Chapter 12
11/27/02	Network Management (contd) **Homework 3 Due**	Chapter 12
12/02/02	**Exam III**	**Chapters 9, 10,11, 12**

Important Dates

Homework 0	Sep 03, 2002
Homework 1	Sep 30, 2002
Exam I	Oct 02, 2002
Homework 2	Oct 31, 2002
Exam II	Nov 04, 2002
Homework 3	Nov 27, 2002
Exam III	Dec 02, 2002

Grading Policy

Grades will be assigned per the following table

$S > M + 1.645 * SD$	**A+**
$M + 1.645 * SD = S > M + 0.842 * SD$	**A**
$M + 0.842 * SD = S > M + 0.524 * SD$	**A-**
$M + 0.524 * SD = S > M + 0.253 * SD$	**B+**
$M + 0.253 * SD = S > M$	**B**
$M = S > M - 0.126 * SD$	**B-**
$M - 0.126 * SD = S > M - 0.253 * SD$	**C+**
$M - 0.253 * SD = S > M - 0.385 * SD$	**C**
$M - 0.385 * SD = S > M - 0.524 * SD$	**C-**
$M - 0.524 * SD = S > M - 0.674 * SD$	**D+**
$M - 0.674 * SD = S > M - 0.842 * SD$	**D**
$M - 0.842 * SD = S > M - 1.036 * SD$	**D-**
$S = M - 1.036 * SD$	**F**

where the abbreviations mean the following

S	Student's score
M	Class Mean
SD	Class Standard Deviation

Class Participation Points

Class participation points will be awarded as follows

4%	Class Attendance
5%	Participation in discussions
1%	For submitting Homework 0

Scholastic Dishonesty

The faculty expects from its students a high level of responsibility with respect to academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student maintains a high standard of individual honor in his or her scholastic work. Scholastic dishonesty includes, but is not limited to, statements, acts or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work of material that is not one's own. As a general rule, scholastic dishonesty involves one of the following acts: cheating, plagiarism, collusion, and/or falsifying academic records. Students suspected of academic dishonesty are subject to disciplinary proceedings. Specifically, copying another student's computer files or buying assignments from a 3rd party could result in a grade of F and/or expulsion from the University.