MIS 365 DATA COMMUNICATIONS AND NETWORKING
SPRING 2010

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COURSE DESCRIPTION AND OBJECTIVES

This course is designed to teach the basics of networking and the basic concepts of the internet. The course will be geared toward the knowledge level required for someone pursuing a career in MIS.

The objective of the course is To provide the knowledge required to make informed and financially sound recommendations and business decisions relating to the IT area of an enterprise.

Textbook : **None**

Lecture slides : Will be posted on the course website before each class.

Homework : Homework assignments will be posted on Blackboard. These assignments will not count toward the final grade. However, I strongly encourage you to do the assignments. MidTerm and Final exam questions will be closely related to many of these assignments.

Lecture audio : Will be available via Podcast and RSS feed after each class.
iTunes: itpc://mis365.jwmhosting.com/spring10/podcast.xml
rss: http://mis365.jwmhosting.com/spring10/podcast.xml

Course website : Hosted on the Blackboard system

Students are required to log on to the course website before each class to view course-related announcements and lecture slides.

Other reading material : Readings associated with guest lectures will either be handed out in class or posted electronically on the course website.

Grading

Lab	:	10%
Team Project	:	20%
Midterm exam	:	30%
Final Exam	:	35%
Class Participation	:	5%
Total	:	**100%**

Labs: There are lab sessions associated with this class.

These labs complement class material and give students an opportunity to gain hands-on experience with the technologies we are discussing in class. Attendance and participation are mandatory. At the end of the regular labs, there will be an opportunity to make up for one missed

lab, if a student missed lab(s). The makeup date and time will be posted. Students can only make up for one missed lab session.

Team Project: There will one team project for the course. Teams will consist of 4-5 students each. Each team will choose the topic. The topic must be relevant to data communications and networking. The topic may be either business-centric or technology-centric. Only one team can select a particular topic. Team member names must be submitted via email by the end of week 3. Team topic proposals must be submitted via email by the end of week 5. Each team will make a 5-minute topic proposal presentation in week 8. Each team will make a 10-15 presentation beginning November 16. A written report must be submitted by the team as well.

Exams: There is one mid-term exam and a final exam. All exams are closed book. Each exam will emphasize the material covered since the previous exam. However, the exam may include questions from any topic covered to that point in the class. The exams will contain short-answer questions, not multiple-choice.

Final Grades: After all grade components are in, a weighted average will be computed, and final letter grades will be assigned as follows: [90-100 = A]; [80-89 = B]; [70-79 = C]; [60-69 = D]; [below 60 = F]. There will be no redoing projects or exams.

Make-up and Drop Policy: Make-up labs and exams are not permitted except for documented medical emergencies recognized by the University. If the University policies allow, a student may withdraw/drop the course within the timeframes set by the University. Students who drop the course after the official withdraw/drop timeframe will receive a grade based on what they have earned in the course at that point in time.

Scholastic Dishonesty Policy: The University defines academic dishonesty as cheating, plagiarism, unauthorized collaboration, falsifying academic records, and any act designed to avoid participating honestly in the learning process. Scholastic dishonesty also includes, but not limited to, providing false or misleading information to receive a postponement or an extension on an exam or other assignment, and submission of essentially the same written assignment for two different course without the permission of faculty members. The McCombs School of Business has no tolerance for acts of scholastic dishonesty. The responsibilities of both students and faculty with regard to scholastic dishonesty are described in detail in the Policy Statement on Scholastic Dishonesty for the McCombs School of Business:

> *By teaching this course, I have agreed to observe all of the faculty responsibilities described in that document. By enrolling in this class, you have agreed to observe all of the student responsibilities described in that document. If the application of that Policy Statement to this class and its assignments is unclear in any way, it is your responsibility to ask me for clarification. Policy on Scholastic Dishonesty: Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course an/or dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. You should refer to the Student Judicial Services website at http://deanofstudents.utexas.edu/sjs/ or the General Information Catalog to access the official University policies and procedures on scholastic dishonesty as well as further elaboration on what constitutes scholastic dishonesty.*

Special Accommodations Policy: The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

Class Website and Student Privacy Policy: Password-protected class sites will be available for all accredited courses taught at The University. Syllabi, handouts, assignments and other resources are types of information that may be available within these sites. Site activities could include exchanging e-mail, engaging in class discussions and chats, and exchanging files. In addition, class e-mail rosters will be a component of the sites. Students who do not want their names included in these electronic class rosters must restrict their directory information in the Office of the Registrar, Main Building, Room 1. For information on restricting directory information see: *http://www.utexas.edu/student/registrar/catalogs/gi02-03/app/appc09.html*.

Course Schedule ***(Subject to change)***

Wed Jan 20	Introduction
Mon Jan 25	Physical layer
Wed Jan 26	Data Link layer
Mon Feb 1	Connection and Communications Protocol Layer
Wed Feb 3	TCPIP and Internet
Mon Feb 8	Term Project and Lab Work Session
Wed Feb 10	DNS/Naming - Part I
Mon Feb 15	DNS/Naming - Part II
Wed Feb 17	IP Addressing
Mon Feb 22	Security - Part I
Wed Feb 24	Security - Part II
Mon Mar 1	Internet Protocols - General Architecture
Wed Mar 3	Team Project Proposal Presentations
Mon Mar 8	Review for Mid-Term
Wed Mar 10	Mid-Term Exam
Mon-Fri Mar 15-19	Spring Break
Mon Mar 22	Specific Internet Protocols
Wed Mar 24	Managing the Spam Problem
Mon Mar 29	XML
Wed Mar 31	The web - Server-side
Mon Apr 5	Browser Technology
Wed Apr 7	Patents / Effective Presentations
Mon Apr 12	Project Presentations
Wed Apr 14	Project Presentations
Mon Apr 19	The Enterprise IT World - Part I
Wed Apr 21	The Enterprise IT World - Part II
Mon Apr 26	Guest Lecture
Wed Apr 28	On the Horizon
Mon May 3	Business Process Management
Wed May 5	Review for Final