

MIS 470 – Data Communications and Networks
Creighton University, College of Business Administration
Monday 6:15 – 9:00pm, BA 111
Spring 2003

Terry Begley MBA, MCSE
COBA Technology Coordinator
tbegley@creighton.edu
280-2619 (office) 280-2172 (fax)
<http://eden.creighton.edu/mis470>

Course Resources

The textbook is *Business Data Networks and Telecommunications, fourth edition*, by Raymond R. Panko. ISBN is #0130359149. The website for the course is <http://eden.creighton.edu/mis470>, and the author's website is located at <http://www.prenhall.com/panko>. Check our course website's *News and Views* section daily for course information. You will also need to subscribe to our class listserve, MIS470@creighton.edu.

You will also need a Creighton University email account, a Grackle account, and access to the World Wide Web, either at a computer lab, home, or office. I will provide some of the supplements. Others will require a library or World Wide Web (WWW) search by the student.

Contact Information

I am a Creighton staff member, and my office is located in BA 112A. I am at work generally from 8:00am to 4:30pm, Monday through Friday. See above for phone and email information. If you send email with attachments, please note that Creighton does not allow emails over 4.5 megabytes in size. If you wish to email larger attachments, please email them to terry@terrybegley.com. When you email, please use a subject line with the words *MIS470* in the title so I can identify the message in my inbox easier.

Summary

This course provides an introduction to the concepts and terminology in data communication, networks, network design and distributed information systems. These topics include equipment, protocols and architectures, transmission alternatives, the communication environment, regulatory issues, and network pricing and management. A combination of lectures, discussions, presentations and student projects will be used to understand the dynamic field of data communications and issues surrounding it.

Assignments

We will have up to four individual and up to two group assignments. These will vary according to the topics being covered. The group project will be hands-on work with networking in the classroom.

Tech Tips and News

There is always something new and exciting in the technology field. Twice during the course you will make a presentation to the class on an interesting website, a new product, a new service, or something new and exciting in the technology field. You can use any of the presentation media in the classroom. You must turn in a one-page sheet to me describing to me your site, item or news as you present your Tech Tip and News. Each item should take about three minutes to present.

Quizzes

There will be a total of ten quizzes. A quiz cannot be made up under any circumstances. Quizzes may be short answer, true/false, matching or multiple choice. They may be given out on paper, assigned via email or on a web page. If the quiz is a take-home quiz handed out in class, and you are not in class on the day that the quiz is assigned, you may not make up the quiz. Xerox copies or scanned copies of the quiz are not acceptable. At the end of the semester, each student will receive one "bonus" quiz grade. If you miss a quiz, for whatever reason, this will make it up. If you complete all the quizzes, this will be an extra set of points for you.

Grading and Grading Scale

The student is required to take notice of where he or she stands in regards to their performance and attendance in this class. If special needs arise, or there is a problem with the student's attendance, or grade, the student is responsible for contacting the professor to discuss those concerns, in as timely a manner as is reasonable. Students may contact me by any of the methods listed earlier at any time. Email and telephone voicemail are available 24 hours a day. Failure on the part of the student to proceed under these guidelines, or to violate any rules set out in this syllabus, or in the Student Handbook, including those dealing with academic honesty, may result in a lowering of the student's grade, or a grade of F or AF, at the discretion of the professor.

The following are the grades and their descriptions available to the students. A student's grade totally depends on what he or she has achieved during the course: the grades will be earned, not given.

"A" indicates not only outstanding achievement but also an unusual degree of intellectual initiative.

"B" indicates attainment of above the average, satisfactory for 500-level courses.

"C" indicates satisfactory but minimum quality work in courses above the 500-level.

"D" indicates failure—no credit.

Percentage Grade	Letter
90–100%	A
88-89%	B+
80-87%	B
78-79%	C+
70-78%	C
60-69%	D
59% or less	F
Incomplete	I
Final Exam Not Taken	IX

The point values of the various coursework are given below:

ITEM	Points
Quizzes (10 @20 points each)	200
Individual Assignments (Up to 4 @50 points each)	200
Tech Tips and News (2 @50 points each)	100
Group Assignments (Up to 2 @50 points each)	100
Group Project	400
TOTAL	1000

Make-Up and Late Policy

All assignments that are handed in late will be docked 10% per day that they are late, unless arrangements have been made at least 24 hours before the due date. The term LATE refers to all assignments turned in after the class time on the assignment's due date. The only exceptions to the late policy are if the University is closed due to severe weather (and must be announced on the CU weather hotline). If there are major network or machine problems, assignment dates will be adjusted for the length of the outage. These outages must be announced on the CU site <http://itnotices.creighton.edu> or at their recorded announcement line at 280-1116.

Attendance Policy

Please note that all students are expected to attend every class session on time. Students are responsible for the material covered each class time, and missed notes, handouts and URL's should be obtained from another student who was in class that day. In the case of severe weather closings and cancellations, call the Creighton Weather Hotline at 280-5800. Since the University is unlikely to cancel classes, you can also check your email or call my office – if I should decide that the weather is hazardous I may cancel class and will notify you via email and will change the greeting on my office voice mail.

Course Outline and Assignments

You will notice that there are plenty of blank dates listed below. This is due to the nature of the course. I will announce the class topics on our class website.

January 19	Introductions and Administrivia Syllabus and class overview Set up AMI accounts, etc. Set up groups and operating system assignments Assessment Quiz
January 26	Chapter One; <i>Core Network Concepts</i>
February 2	Chapter Two; <i>Standards</i>
February 9	Chapter Four: <i>A Small Ethernet PC Network</i>
February 16	
February 23	Chapter Eight: <i>TCP/IP Internetworking</i> Module A: <i>More on TCP and IP</i>
March 1	
March 8	Spring Break – no class
March 15	Chapter Five; <i>Other LAN Technologies</i>
March 22	
March 29	Chapter Seven; <i>Wide Area Networks</i>
April 5	
April 12	Chapter Nine; <i>Security</i> Chapter Ten; <i>Network Management and Systems Admin</i> Module F; <i>More on Security</i> <small>NOTE: This is Easter Monday, and we are scheduled to meet</small>
April 19	
April 26	
May 3	Final Exam Time – Presentation of group projects