

**MIS 470 – Data Communications and Networks**  
**Creighton University, College of Business Administration**  
**Monday 6:15 – 9:00pm, BA 110**  
**Spring 2007**

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<http://eden.creighton.edu/mis470>

**Course Resources**

The textbook is *Introduction to Networking*, by Richard A. McMahon, Sr., published by McGraw-Hill Irwin. The ISBN is #0-07-222678-1. The website for the course is <http://eden.creighton.edu/mis470>, and the author's website is located at [http://highered.mcgraw-hill.com/sites/0072226781/student\\_view0/index.html](http://highered.mcgraw-hill.com/sites/0072226781/student_view0/index.html). Check our course website's *News and Views* section daily for course information. You have been subscribed to our class listserve, [MIS470@creighton.edu](mailto:MIS470@creighton.edu), with your Creighton email address.

**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 fifteen megabytes in size. If you wish to email larger attachments, please email them to [terry@terrybegley.com](mailto:terry@terrybegley.com). When you email, please use a subject line with the words **MIS 470** 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 and Projects**

We will have individual and group assignments. These will vary according to the topics being covered. The group project will be hands-on work with networking in the classroom. In order to obtain an "A" in this class, you must successfully complete the networking hands-on assignments. Work outside of class time will be necessary to complete these assignments. It is strongly suggested that students review the assignments in advance, as some require significant lead-time to complete. A student or student group may be precluded from completing an assignment because of poor planning.

## **TechTips**

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 minimum of ten quizzes. Quizzes will be in a variety of formats, and may consist of short answer, true/false, matching or multiple-choice questions. 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 take that quiz. Xerox copies or scanned copies of take-home quizzes are not acceptable.**

If you are unable to attend class and miss a quiz, you may take a make-up quiz consisting of test-bank questions chosen at random from the textbook. The make-up quiz **must** be taken before the next class period at a date and time arranged with the instructor. It is up to the student to arrange to take the make-up quiz within the required time period. If the quiz is not made before the next class period, the student will receive a zero score on the quiz.

## **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. Punctuality is appreciated, especially when we have guest speakers or tours arranged. If you are absent due to illness, present a note from a physician stating that you were out for medical reasons. 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.

In case of severe weather closings and cancellations, call the *Weather Hotline* at 280-5800 to find out if the University has closed. If the University is still open and I feel that the weather is too severe to hold class, I will announce it via email to our class list and on my office voice mail.

## **Accommodation Requirements**

Students who have a documented disability will be accommodated based on the determination of the University's [Office of Disability Accommodations](#). **All** requests for special accommodations (longer test time, alternate assignments, etc.) must come through this office.

## **Classroom Monitoring Software**

COBA has acquired licenses for NetOp School software. This software allows the instructor to remotely monitor and control the student computers at any time, from the podium in the classroom. Be advised that the instructor can view your screen, lock out the keyboard and mouse, and do other commands without student input.

## **Extra Credit**

Occasionally there are opportunities for extra credit work, such as attending seminars by the Computer Center or a speaker on campus. If an opportunity arises during the semester, I will announce it on our class web page and via email.

## **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.

All work may be subjected, at the discretion of the instructor, to examination by plagiarism detection techniques, including web searches and the use of plagiarism detection sites and software. Penalties for violations of academic integrity will be determined by the instructor and may include, but are not limited to:

- Failure on the given assignment
- Failure for the course
- Submission to the University Office of Academic Affairs

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 (At least 4 @ 50 points each)	200
Guest Speaker Assignments (Up to 4 @ 25 points each)	100
Tech Tips and News (2 @50 points each)	100
Group Networking Projects	400
<b>Approximate TOTAL</b>	1000

### Important Course Dates

Listed below are some important dates for the course. Note that we will meet on Easter Monday, and group presentations will be done during the scheduled time of the Final Exam.

As the course progresses, I will announce the weekly class topics on our website.

<b>January 15</b>	Introductions and Administrivia Syllabus and class overview Set up AMI accounts, etc. Set up groups and operating system assignments
<b>January 22</b>	
<b>January 29</b>	
<b>February 5</b>	
<b>February 12</b>	
<b>February 19</b>	
<b>February 26</b>	
<b>March 5</b>	<b>Spring Break</b> – no class this week
<b>March 12</b>	
<b>March 19</b>	
<b>March 26</b>	
<b>April 2</b>	
<b>April 9</b>	Easter Monday – <i>yes, we will have class</i>
<b>April 16</b>	
<b>April 23</b>	
<b>April 30</b>	<b>Final Exam Time: <i>Presentation of group projects</i></b>