

MIS 560 - Telecommunications and Networking
COURSE WEBSITE: webpages.uah.edu/~hartone

Fall 2010

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Office Hours: Tuesday, from 10:00 AM to 12: 00 noon , 1:00 PM to 3:00 PM; or by appointment

REQUIRED ITEMS:

Textbook:

SECOND EDITION: Mike Meyers' Network + Guide To Managing and Troubleshooting Networks.

Authors: Mike Meyers,

Publisher: McGraw Hill

COURSE DESCRIPTIONS:

This course introduces concepts and technology of telecommunications and computer network applied in telecommunications and computer network systems in a business organization.

COURSE OBJECTIVES:

Upon completion of this course, you should be able to:

- Understand the technologies and terminology in telecommunications and computer network.
- Explain the basic components and operations of telecommunications and computer network.
- Apply telecommunications and computer network knowledge to specific IS applications and situations

COURSE PREREQUISITES:

- I, the instructor, will assume that you have fundamental knowledge of business computing. This requirement is generally satisfied by taking MIS 301

CLASSROOM ETIQUETTES:

- You are strongly suggested to make every effort to attend all classes
- You remain responsible for all materials covered in class, regardless of attendance
- You are expected to remain in the classroom for the duration of the class meeting. If you must depart early due to unavoidable circumstances, you should inform me before the beginning of the class and take a seat near the front of the classroom so as to minimize the disruption to the class. Leaving and re-entering the class is not permitted except in the event of an emergency

STUDENT EVALUATION:

Exam 1	25%
Exam 2	25%
Exam 3	30%
Research Paper	10%
<u>Homework, Quizzes, AND Attendance</u>	<u>10%</u>
Total	100%

GRADE DISTRIBUTION:

Percent	Grade
90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
< 60	F

Grade Assignment Notes:

- All exam scores are final except for obvious grading errors
- I reserve the right to adjust the point requirements for a given grade depending on the performance of the class as a whole
- Incomplete grade (I) is strongly discouraged and will be allowed only in very special circumstances
- My evaluation process concerning your work on exams, in-class quizzes, attendance, and overall grade is **not** open to debate, but suggestions are welcome

RESEARCH PAPER:

In a 5-10 page single-spaced paper, present a tutorial of a data communication application, preferably a current one. Explain the fundamental concepts related to the data communication application thoroughly and clearly enough to be practical (this typically takes at least 5 pages). Show relevant objects (e.g., photos, tables, charts) as much as possible (“*a picture is worth a thousand words*”). Present available products related to the data communication application. Please use whatever resources you can obtain to collect the most recent information about the topic.

Samples of appropriate data communication applications include:

- WiMax
- 4G

***You have to email me (hartone@uah.edu) the topic of your paper by September 17, 2010
You have to submit a print-out of your paper before you take the Final Exam***

EXAMINATIONS:

- You will have to take three in-class, closed-book, closed-note, no-computer exams
- All in-class exams must be taken on the scheduled date and time unless prior arrangements are made
 - You **CAN** substitute ANY ONE of the exams with **PASSING** the CompTIA Network + Certification Exam
 - You **are not required** to take the CompTIA Network + Certification Exam. However, if you wish to take the CompTIA Network + Certification Exam, you can substitute ANY ONE of the exams with passing this exam
 - If you wish to take the CompTIA Network + Certification Exam to substitute ANY ONE of the exams, you must take the exam **BEFORE** the Final Exam date (check the Final Exam date at the UAH Final Exam schedule). Immediately after completing the CompTIA Network + Certification Exam, you will receive the hard-copy of the final score. The final score report shows whether or not you pass the certification. If you pass the certification, you must bring the hard-copy of the final score to me. I will then substitute ANY ONE of the exams (100% will be given to substitute the lowest exam grade). If you do **NOT** pass the certification, you **CANNOT** use the certification exam score to substitute any of the exam scores
 - If you have to miss an exam, you have to inform me prior to the scheduled exam time. Absence from a scheduled exam without previous arrangement with me will be classified as unexcused and no make-up examinations will be given. To arrange a make-up examination, you have to bring a formal letter (e.g., doctor’s letter on the doctor’s letter-head paper, employer’s letter on the doctor’s letter head paper) that describes the reason of the absence from the scheduled exam
- I will announce the in-class exam dates one week before the exam dates

HOMEWORK ASSIGNMENTS:

- Homework assignments will be given throughout the semester. All homework assignments will be **open book**. Missed homework assignments **CANNOT** be made-up

ATTENDANCE:

- Attendance will be taken RANDOMLY throughout the semester
- Attendance will be taken **at the beginning** or **the end of class**, so arrive to class on time and stay for the duration of the class. If you are not present while I am taking attendance, you will be considered to be absent for the entire class period.
- You remain responsible for all materials covered in class, regardless of attendance
- Attendance will also be used for scaling exams or the final course average.

ADA REQUIREMENTS:

Students with disabilities needing academic accommodations should bring me a letter from the university indicating your need for academic accommodations. This should be done within the first week of class. (This syllabus and other class materials are available in alternative format upon request.) For more information about services available to UAH students with disabilities, contact the Assistant Dean of Students

ACADEMIC HONESTY:

You are expected to uphold the Academic Honor Code. I will invoke the University of Alabama at Huntsville's policy to the fullest extent possible. This means you will *automatically fail* the course if you exhibit *any* form of academic dishonesty. **If you CHEAT in the exam, you FAIL; no exceptions.**

MATERIALS:

- Chapters 1, 2, 3, 4, 5, 6
- **Exam 1: Chapters 2,3,4, 5, 6**
- Chapters 7, 8, 9, 10, 11
- **Exam 2: Chapters 7, 8, 9, 10, 11**
- Chapters 12, 13, 14, 15, 16
- **Exam 3: Chapters 12,13,14,15,16**

Note

- I reserve the right to change this syllabus, through verbal or written notification, as necessary to meet the objectives of the course