

Data Communications

IST 220 3.0 Credit Hours
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My Course: mycourse.thomsonlearning.com

HANDOUT

08/20/2007

Textbooks:

Business Data Communications - Introductory Concepts and Techniques, 4th
Edition; Shelly, Cashman, & Shelly; Course Technology, 2004.

College-Wide Competency

The student will be able to identify and use sources of information by utilizing information processing skills compatible with job demands in a computer-literate society.

Learning Outcomes of Course

The student will demonstrate knowledge of the following concepts:

- Fundamentals of data communications
- Basic Network configurations
- Understanding the differences between data communications and telecommunications
- Give practical examples of networks
- Fundamentals of communications media
- Hardware configurations within networks
- Data transmissions
- Systems network architecture
- Internet

Attendance:

The student will be dropped after their:

6th absence for Tuesday/Thursday DAY students

9th absence for Monday/Wednesday/Friday DAY students

The Student will be marked as Tardy when arriving after the class roll has been called. Three (3) tardies will constitute one absence.

In the event that the student misses more than the allowable absences, the Instructor will complete a Withdrawal form with a grade of "F" and will drop the Student. IF the Student wishes to withdraw from the class, the STUDENT must complete a Withdrawal form, which can be found in the Student Development Office of the College. The Student will receive a grade of "W" if the work completed to date is acceptable; a grade of "WF" will be assigned if the work is unacceptable.

Class Policy:

- 1) During either a test or lab project, anyone caught exchanging information or copying someone else's work will receive a grade of "F" for the project or test.
- 2) No food or beverages are allowed in the computer labs or classrooms..
- 3) Students must wear College Id at all times.
- 4) All lab diskettes are to be turned in to the Instructor before the student leaves the classroom. **NO** diskettes are to be taken from the classroom and **NO** diskettes are to be brought into the classroom. Students may use personal jump drives in the labs.
- 5) **Electronic Devices** (cell phones, pagers, etc.) must turned off during class. The devices are not part of the instructional environment and may be confiscated by the instructor if utilized during class time. If you are a member of emergency preparedness, you must have authorization from the Vice-President of Student Services to keep your device on during class.

Written Assignments:

The Instructor reserves the right to refuse any paper that is messy or unreadable or appears to be copied. Incorrect grammar and spelling errors will be noted. Papers will be graded on the basis of content, organization, grammar, spelling, and neatness. Papers containing any **plagiarized** material will result in a grade of "F" on the paper.

Grading Method:

The student will be given lab assignments and projects during the term as the concepts are presented in lecture or in the lab. Concept tests will be assigned and given through out the semester and the final exam will be given on the College's designated exam schedule day. The final grade will be determined by the following percentage weight system:

85% - Tests
15% - Final Exam

The grade point scale that will be used is as follows:

A = 90 - 100
B = 80 - 89
C = 70 - 79
D = 60 - 69
F = Below 60

Makeup Tests:

No test can be made up unless the student has a viable excuse. The student must contact the instructor by phone or email prior to the start of class in which the test is given. The student must explain why he/she is not able to meet the class and take the assigned test. The instructor will decide if the reason is acceptable and will inform the student by phone or email the time and date the test must be taken. The test must be completed before the next class meeting.

No Retests will be given for any test.

IMPORTANT

All students will be explained the licensing agreement stating that the software used in this course

does not belong to them or to the college and that any attempt to copy, change, or modify this software in any way by any means is a violation of law.

Instructor Expectations:

- Student must read the material prior to class
- Turn in all assignments on a timely basis
- Present all work in a professional manner
- Attentive to class lectures
- Student must be inquisitive

DATA COMMUNICATIONS TENTATIVE CLASS TOPICS

WEEK	TOPIC
1	What is Data Communications?
2	Fundamentals of Data Communications
3	Media, Servers, and Clients in Communications
4	Communication Equipment
5	Data Transmission
6 & 7	Protocols
7 & 8	Network Concepts
9	WANS
10 & 11	LANS
11 & 12	Network Security
12 & 13	The Internet
14 & 15	Communication Services
16	Exam

All tests will be assigned during the semester. Each project will be given a due date.

IMPORTANT

It is mandatory that every student wear his or her student ID at all times when on the Cheraw campus.

During the first week of classes, the instructor will issue a reminder to wear the ID. This reminder is a warning.

After the first week of classes, instructors are required to dismiss students without ID from class. The student may get his/her ID (or a new one in Student Services for \$3.00) and return to class before the midpoint of the class. If the student cannot get an ID and return to class by the midpoint, the instructor will record the student absent for the class period.

August 20, 2007