

CST K232 Course Outline

Fall 2007

Course: CST K232 – Data Communications and Networking

Program: Computer Science – Technology

Hours: Lecture MW 9:00 am–10:20 am (Room 201E) Lab W 2:00 pm-3:50 pm (Room 201E, Thames)

Instructor: Allan Anderson

Office: Thames Valley Campus, Room 204

Office Hours: Monday (2:00 pm - 3:00 pm)

Monday (4:20 pm - 5:20 pm)

Wednesday (4:20 pm - 5:20 pm)

Messages: Phone: (860) 885-2392 (Voice Mail)

E-mail: aanderson@trcc.commnet.edu

Written: Mailbox, Room 224

Dates: Aug. 27 – Dec. 10 with Final exam on Dec. 12. No classes on Aug. 27 & 29 and Sept. 5. Class will be held on Oct. 8 (Columbus Day observance) and Nov. 20 (Tuesday before Thanksgiving) as make-up dates.

Textbook: Raymond R. Panko, *Business Data Networks and Telecommunications: Sixth Edition*, Pearson Prentice Hall, 2007, 0-13-221441-5. Author's web site: <http://www.prenhall.com/panko/>

Tests/Lab Assignments

Tests/Lab assignments must be taken/submitted on or before the due date and time. Unexcused late tests/assignments will be awarded a zero for that test/assignment. Excused absences/lateness must be requested in advance of the date (e-mail is the preferred notification method). Tests/assignments will be graded on professionalism, accuracy, style and completeness.

Grading and Evaluation Criteria:

25 % of the grade is based on a midterm examination

25 % of the grade is based on a final examination

25 % of the grade is based on chapter examinations

25 % of the grade is based on assigned labs

Final course grades will be assigned as objectively as possible, according to the following scale (a class curve may be used at the discretion of the instructor):

90 - 100%	A- to A
80 - 89%	B- to B+
70 - 79%	C- to C+
60 - 69%	D- to D+
59% and Below	F

Week	Topics	Text Assignments
1	Introduction	Chapter 1
2	Case Studies: Home/SOHO Networks with configuration	Chapter 1a, b, c
3	Network Standards	Chapters 2 Chapter 1 Test
4	Physical Layer Propagation: UTP and Optical Fiber	Chapter 3 & 3a Chapter 2 Test
5	Ethernet LANs and Token-Ring Networks	Chapter 4 & 4a Chapter 3 Test
6	Wireless LANs (WLANs)	Chapter 5 Chapter 4 Test
7	Review	Chapter 5 Test Mid-Term Exam
8	Telecommunications	Chapter 6 & Appendix C
9	Wide Area Networks (WANs)	Chapter 7 & 7a Chapter 6 Test
10	TCP/IP Internetworking	Chapter 8 & 8a Chapter 7 Test
11	More on TCP and IP	Module A Chapter 8 Test
12	Security	Chapter 9 & 9a Module A Test
13	Network Management	Chapter 10 Chapter 9 Test
14	Networked Applications	Chapter 11 Chapter 10 Test
15	Review	Final Exam

Note: The foregoing course outline is subject to change as conditions warrant.