

CST K232 Course Outline

Fall 2008

Course: CST K232 – Data Communications and Networking

Program: Computer Science – Technology

Hours: Lecture MW 9:30 am–10:45 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 (10:45 am - 11:45 pm)

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

Wednesday (5:00 pm - 6:00 pm)

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

E-mail: aanderson@trcc.commnet.edu

Dates: Sept. 3 – Dec. 15 with Final exam on Dec. 17. No scheduled classes on Oct. 13 and Nov. 26 due to academic schedule. Oct. 22 class may need to be rescheduled.

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/>

College Withdrawal Policy:

Students may withdraw, through the Registrar's Office, for any reason until December 15. The withdrawal process must be initiated by the student. Failure to do so will result in a semester grade based on the work completed before the student stopped attending the class.

Tests/Lab Assignments

Tests will be based on text, lectures and lecture slides. 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:

30 % of the grade is based on a midterm examination

30 % of the grade is based on a final examination

25 % of the grade is based on chapter examinations

15 % 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 9/3, 9/8	Introduction	Chapter 1
2 9/10	Case Studies: Home/SOHO Networks with configuration	Chapter 1a, b, c
3 9/15, 9/17, 9/22	Network Standards	Chapters 2 Chapter 1 Test (9/15)
4 9/24, 9/29, 10/1	Physical Layer Propagation: UTP and Optical Fiber	Chapter 3 & 3a Chapter 2 Test (9/24)
5 10/6, 10/8	Ethernet LANs and Token-Ring Networks	Chapter 4 & 4a Chapter 3 Test (10/6)
6 10/15, 10/20, 10/22	Wireless LANs (WLANs)	Chapter 5 Chapter 4 Test (10/15)
7 10/27	Review	Chapter 5 Test (10/27)
8 10/29, 11/3	Telecommunications	Mid-Term Exam (10/29) Chapter 6 & Appendix C
9 11/5, 11/10	Wide Area Networks (WANs)	Chapter 7 & 7a Chapter 6 Test (11/5)
10 11/12, 11/17	TCP/IP Internetworking	Chapter 8 & 8a Chapter 7 Test (11/12)
10 11/19	More on TCP and IP	Module A Chapter 8 Test (11/19)
11 11/24	Security	Chapter 9 & 9a
13 12/1, 12/3	Network Management	Chapter 10 Chapter 9/9a Test (12/1)
14 12/8, 12/10	Networked Applications	Chapter 11 Chapter 10 Test (12/8)
15 12/15, 12/17	Review	Chapter 11 Test (12/15) Final Exam (12/17)

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