Principles of Computer Networking (Fall, 2005)

CRN 10399
Course Number ECE-C631
Section Number 501
Credits 3.0
Time Thursdays 6pm - 8:50pm
Room TBA
Instructor Steven Weber
Restrictions graduate standing
Department Electrical and Computer Engineering

Description
Principles of circuit switching, packet switching and virtual circuits; protocol layering; application layer protocols for e-mail and web applications; naming and addressing; flow control and congestion avoidance with TCP; Internet Protocol (IP); routing algorithms; router architectures; multicast protocols; local area network technologies and protocols; issues in multimedia transmissions; scheduling and policing; Quality-of-Service and emerging Internet service architectures; principles of cryptography.

Textbook (required)
Title Communication Networking : An Analytical Approach
Authors Anurag Kumar, D. Janjunath, and Joy Kuri
Publisher Morgan Kaufmann
ISBN 0124287514
Edition 1st

Grading
Homework (one problem set per week) 20%
Midterm Exam 40%
Final Exam 40%

Homework and Makeup Exams
Makeup exams are only available if you are unable to attend due to a severe health problem or a death in your family. Homework is due at the beginning of class, one week following the class in which they were assigned. Late homework will not be accepted.

Academic Dishonesty
The Drexel University policy on academic dishonesty may be found at http://www.drexel.edu/cchc/studentlife/Judicial/code/dishonesty.html and will be strictly enforced. Plagiarism, fabrication, and cheating will, at the discretion of the instructor, constitute grounds for failure of the course.