Principles of Computer Networking (Fall, 2006)

CRN: 10489  
Course Number: ECE-C631  
Section Number: 501  
Credits: 3.0  
Time: Thursdays 6pm - 8:50pm  
Room: Curtis Hall Room 353  
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 will be strictly enforced. Plagiarism, fabrication, and cheating will, at the discretion of the instructor, constitute grounds for failure of the course.