UNIVERSITY OF SOUTHERN CALIFORNIA
MING HSIEH DEPARTMENT OF ELECTRICAL ENGINEERING

EE 450 **Introduction to Computer Networks** **TTh 3:30 to 4:50 PM**

Instructor:	Prof. Cauligi Raghavendra	Phone: (213) 740-9133
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Office Hours:	TTh 1:30 to 3 PM	
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Text:	Computer Networking: A Top Down Approach	
	by: James F. Kurose and Keith W. Ross, 4th Ed.	

Week	Subject	Text Chapter & Homeworks
1/13,1/15	Introduction to Course; Network elements; Internet; protocols, and physical media	Chapter 1, HW1
1/20,1/22	Packet and message switching; performance Metrics; protocol layers; network applications	Chapter 1, 2, HW2
1/27,1/29	Web and HTTP, FTP and e-mail, SMTP	Chapter 2, HW3
2/3,2/5	DNS, P2P Applications, Socket Programming	Chapter 2, Project #1
2/10,2/12	Transport Layer Protocols; TCP and UDP	Chapter 3, HW4
2/17,2/19	Flow control and TCP congestion control	Chapter 3, HW5
2/24,2/26	Network Layer; Internet Protocol	Chapter 4, HW6
3/3,3/5	Routing Algorithms	Chapter 4, (HW7), Project #2
3/10	Network Layer; Review for Midterm	Chapter 4
3/11	Kleinrock's seminar – Internet History	
3/12	MIDTERM EXAM	
3/16-3/21	Spring Break	
3/24,3/26	Broadcasting, Multicasting; Link layer;	Chapter 4,5, HW8
3/31,4/2	Error detection and correction, Ethernet	Chapter 5, HW9
4/7,4/9	Multiple access protocols, CSMA/CD	Chapter 5, HW10
4/14,4/16	Wireless and mobile networks	Chapter 6

4/21,4/23   Network security, network management   Chapter 8,9

4/30,5/1   Advanced Topics; Course Review

COURSE GRADE: Homeworks 15%
Midterm Exam 30%
Programming Projects: 15%
Final Exam 40%
Homeworks: Several homeworks will be assigned (8 to 10)
Programming projects (2 or 3) will be assigned throughout the semester

Lecture: Tue Thu 3:30-4:50 PM

Discussion: Mon 11:00-11:50 AM, VKC 100

FINAL EXAM DATE: Tuesday 12 May 2009, 2:00-4:00 PM

Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Statement on Academic Integrity

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. *Scampus,* the Student Guidebook, contains the Student Conduct Code in Section 11.00, while the recommended sanctions are located in Appendix A: http://www.usc.edu/dept/publications/SCAMPUS/gov/. Students will be referred to the Office of Student Judicial Affairs and Community Standards for further review, should there be any suspicion of academic dishonesty. The Review process can be found at: http://www.usc.edu/student-affairs/SJACS/.