Description: In this course, students will learn how to put "principles into practice," in a hands-on-networking lab course. The course will cover router and end-system labs in the areas of Single Segment IP Networks, Multiple Segment IP Networks and Static Routing, Dynamic Routing Protocols (RIP and OSPF) LAN switching, Transport Layer Protocols: UDP and TCP, IP Multicast, NAT, DHCP, DNS, SNMP and Network Security. These labs will be done in a networked lab setting consisting of 4 routers, 4 hubs, and 4 end systems. See http://www.tcpip-lab.net for specific lab content.

Who: You: a self motivated student who has taken CMPSCI 453 and wants to learn more about the practice of networking. Me: a facilitator. TAs: Armen Babikyan (armenb@cs.umass.edu), Anthony Bellissimo (twon@cs.umass.edu). These are the guys who really know the stuff!

What: a hands-on, pseudo-self paced lab course. High degree of student satisfaction (!). There is no book for the course. We will be performing the labs in http://www.tcpip-lab.net.

When: Pseudo self-paced (there are deadlines, but they are loose), with weekly (approximate) meetings to hand in assignments and discuss issues.

Where: Computer Networks Lab, 2nd floor LGRT (across from Ed Lab). http://www-net.cs.umass.edu/cs591_spring03/

Why: Because you want to learn, and you want to an implementation-oriented, hands-on course that will help you see principles put into practice.