

COMS 4995-1

Networking Laboratory



Angelos Stavrou
Fall 2005

Course Overview

□ Goals

- Gain hands-on experience
- Reinforce important networking concepts and techniques

□ Organization

- Weekly lectures review relevant materials
- Weekly labs

Material Covered (partial list)

- Wide Area Networks
 - Internetworking
 - Static & Dynamic Routing
 - UDP & TCP

- LAN Switching & Bridges

- DHCP, NAT, DNS, SNMP
(and various other 3 & 4 letter acronyms ☺)

General Information

- Instructor: Angelos Stavrou
- TAs?
- Labs (Interest Lab)
 - Meeting times depend on groups
- Meeting time
 - Wednesdays: 11:00am - 12:15pm
- Instructor office hours:
 - Tuesdays: 4:00 - 5:00pm (?)

Bibliography & Readings

□ TextBook

■ *Mastering networks*

by Jorg Liebeherr and Magda El Zarki

ISBN: 0-201-78134-4. Publisher: Addison-Wesley. Copyright: 2004.

[Sample Chapters and more info at the authors' Web Site](#)

□ Reference books

■ *Computer networking: a top-down approach featuring the Internet* by James Kurose and Keith Ross

■ Cisco Essentials book and Cisco Web Site

■ Unix Man Pages & RFCs

□ Course Web Site will be populated with FAQ & Links

Lab Organization

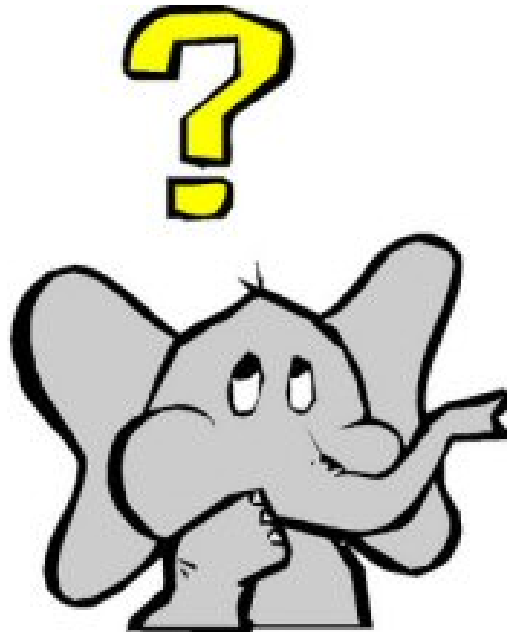
- Groups (maximum 4 people, optimal is 3)
 - One report per group
 - Pre-Labs and Feedback form completed by each of the students individually

- Group Selection
 - Find people that you can work with
 - Random selection is also a choice 😊

Grading Scheme

- Pre-lab questions: (20%) (Individual)
- Two Exams, each 20% (40%) (Individual)
 - can be replaced by projects
- Lab Reports (30%) (Group)
- Class Participation (10%) (Individual)
 - 2 Makeups for lost Labs

End of Course Overview



Questions?