Course: Computer Networks

Professor Yeali S. Sun (孫雅麗)

Fall 2008

1. Textbook


2. References


3. Subjects

- What is the Internet?
- Protocol Layers and their Service Models
- Principles of Application Layers
- Example Application Layer Protocols: Web and HTTP
- Socket Programming
- Example Application Layer Protocols: FTP, SMTP, DNS
- Peer-to-Peer applications
- UDP: Connectionless Transport
- TCP: reliable transfer, Congestion Control
- Network Layer and Routing
- Data Link Layer
- Ethernet CSMA/CD
- IEEE 802.11 Wireless LAN
• Multimedia Communications and RTP: Protocols for Real-Time Interactive Applications

4. Grading

• Homeworks: 25%
• Programming Assignments (2): 15% (socket programming, network traffic monitoring and analysis)
• Midterm (11/20/2008): 30%
• Final exam (1/15/2009): 30%

4. TAs

• 宋雲喬 r96725014@ntu.edu.tw
• 張瀚天 b93013@im.ntu.edu.tw