

Quiz Guide

Quiz Specification

- Class time
 - Date see email announcement
- Closed Book
- One page of reference note
 - Hand written only
- Question types:
 - 10 Questions
 - 10 points each
 - Each question is made up of several small questions

Chapter 1–Intro to Networks

Important to Know

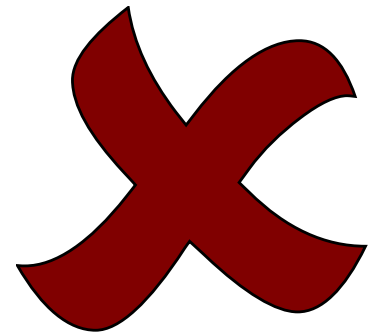
- What is Internet, protocol?
- Network Edge
- Network Core
 - Packet switching vs. circuit switching
 - Network structure
- Network delay, loss and throughput
- OSI model, TCP/IP protocol stack
 - Layers, Protocols
 - Encapsulation
- Network security: DoS, packet sniffing, IP spoofing



Chapter 1—Intro to Networks

Do not worry about

- Specific Frequencies of Media
- Specific upstream and downstream data rates of edge networks
- Loss calculations



Chapter 2– Application Layer

Important to Know

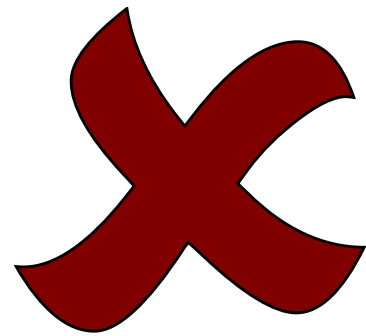
- Principles of network applications:
 - Architecture: client/server vs. P2P
 - Process communication, sockets, transport services (TCP/UDP)
- Web and HTTP:
 - persistent/non-persistent, cookie, web cache
- FTP
- SMTP, POP3, IMAP
- DNS
- P2P
- Socket programming



Chapter 2-Application Layer

Do not worry about

- Detailed Packet formats of various application protocols, etc... BUT YOU SHOULD KNOW THE FIELDS



Good Luck!