

COT 5611 Operating Systems Design Principles Spring 2012

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Office: HEC 304

Office hours: M-Wd 5:00-6:00 PM

Lecture 9 - Wednesday February 8

- Reading assignment: Chapter 7 from the on-line text
- Last time:
 - Consensus protocols
 - Modeling concurrency – Petri Nets

Today

- Design principles for computer and communication systems
- Interesting Properties of Networks
 - Isochronous and Asynchronous Multiplexing
 - Packet Forwarding; Delay
 - Queuing models for delay determination
 - Buffer Overflow and Discarded Packets
 - Duplicate Packets and Duplicate Suppression
 - Damaged Packets and Broken Links
 - Reordered Delivery
 - Summary of Interesting Properties and the Best-Effort Contract