Exam 1  
(CSE 422S)  

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Administrative

- Closed Book
- You are allowed ONE 8.5” x 11” study guide
- An old exam has been posted
  » But some topics may not be on our exam
  » Some problems have been given as homework
- What is NOT covered
  » Sections 2.2 (threads) and 2.5 (scheduling)
  » Deadlock (Chapter 6)
  » Writing a complete C/C++ program or shell script
    • Concepts from programming assignments are fair game
    • Small code fragments are also fair game but not emphasized

Topics

- Computer Architecture
  » CPU speed
  » Effective memory access time and caching
- Basic Unix concepts, commands and system calls
- Classic Processes
  » forking, execing, ...
- Concept of multiple threads of control and shared variables
- Synchronization (Basics)
  » Software-only
  » Hardware (e.g., TestAndSet)
  » Semaphores