

Exam 1 (CSE 422S)

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Administrative

- Closed Book
- You are allowed ONE 8.5" x 11" study guide
- An old exam will be posted
 - » But some problems are not on our exam
 - » Some problems have been given as homework
- What is NOT covered
 - » Sections 2.2 (threads), 2.5 (scheduling) and 2.6
 - » Deadlock (Chapter 3)
 - » 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
 - » Software-only
 - » Hardware (e.g., TestAndSet)
 - » Semaphores