EXAM 1

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WHAT IS NOT ON THE EXAM

• CPU Scheduling, Peterson’s Algorithm, Semaphores
• You will not be asked to write a full C/C++ program or shell script
  * You may be asked about concepts from any programming assignments
  * You may be asked to read/write small code fragments

ADMINISTRATIVE

• Closed Book
• You are allowed ONE 8.5” x 11” “Study Guide”
• Exams for Fall 2001 and Fall 2002 have been posted
  * But about half of the problems on those exams are on topics not on your exam

AREAS (1)

• Concept of multiple threads of control and shared variables
• Basic Unix concepts, commands and system calls
• Timers and System clocks
• Classic Processes, Modern Processes
  * Forking, Execing, ...
• Computer Architecture
  * CPU Speed
  * Effective Memory Access Time and Caching
    • Locality
    • Assume associative caching
  * Bus speed
  * Memory speed