Exam #2 Coverage

• Material since last exam

• IPC: pipes, shared memory, message-passing, issues, programming interfaces

• Signals—how are they used?
  • Dealing with them
  • Issues—reentrancy, races
  • Programming models
Exam (cont’d)

• Closed book
  • 40% short answer
  • 60% programming (3 questions)

• We’ll provide the APIs
Exam (cont’d)

• Threads—what good are they?
  • issues: benefits, performance, models, race conditions, pitfalls, basic programming
  • alternative ways to get concurrency
Sample

• Short answer:
  • What is a race condition?
  • List two main differences between Unix Pipes and Unix Message Queues?

• Longer
  • Write a multithreaded program to do X?
  • Use signals (e.g. ALARMS) to do Y?
Study

- Lab 2
- Lecture notes
- Read the book - write multithreaded programs

- Longer questions on:
  - IPC
  - signals
  - threads