

### Administrivia

- Reminder: Midterm Wednesday.
- Sample solutions to quizzes and written problems distributed/available in hardcopy (Quiz 3 tomorrow). Sample solutions to programming assignments will be available online today/tomorrow.

Slide 1

### Minute Essay From Last Lecture

- A couple of people asked for a review of scheduling algorithms, maybe doing some examples. We can do that?
- One person asked about overhead of scheduling algorithms — at what point do you decide that additional complexity isn't worth it? ("It depends"!)

Slide 2

Slide 3

### One More Scheduling-Related Topic

- A question I used to use as homework:  
Recall that some proposed solutions to the mutual-exclusion problem (e.g., Peterson's algorithm) involve busy waiting. Do such solutions work if priority scheduling is being used and one of the processes involved has higher priority than the other(s)? Why or why not? How about if round-robin scheduling is being used? Why or why not? Notice that a process can be interrupted while in its critical region; if that happens, it is considered to still be in its critical region, and other processes wanting to be in their critical regions are supposed to busy-wait.

Slide 4

### One More Scheduling-Related Topic, Continued

- Yes, with priority scheduling, a solution involving busy-waiting can fail ("priority inversion", in text). Not so with round-robin.

### About the Midterm

Slide 5

- Review class notes and minute essays, readings. If I didn't mention it in class, odds are I won't ask about it on the exam.
- Questions will be a mix of problems similar to those in quizzes and homeworks (but not as long as some of the homework problems), plus some true/false and multiple-choice.
- Open book, open notes. Okay to use a computer to review book, your notes, and the course Web site, but nothing else.
- (Topic by topic through the review sheet.)

### Minute Essay

Slide 6

- None — quiz.