

EECS 211: Advanced System Software Lecture 9

Rainer Dömer

doemer@uci.edu

The Henry Samueli School of Engineering
Electrical Engineering and Computer Science
University of California, Irvine

Lecture 9: Overview

- Course administration
 - Midterm exam review
- Assignment 4
 - Priority-based scheduling
 - Producer-consumer example with bounded buffer
- Storage Management
 - File-System Interface

Course Administration

- Midterm Exam Review
 - Results
 - Overall positive, most seem to be well on track
 - Solution
 - `MidtermExam_Solution.pdf`

Assignment 4

- The Nachos System
 - Task 1: Implement a priority-based scheduler
 - Non-preemptive
 - Task 2: Bounded buffer for safe communication
 - Template code provided
 - 2 producer and 2 consumer threads
- Deliverables
 - brief explanation (in body of email)
 - `thread.h`, `thread.cc`, `scheduler.cc`
 - `threadtest.cc`
 - Email to `doemer@uci.edu`
- Due
 - Wednesday, Feb 18, 2009, at 12pm (noon)

Storage Management

- Excerpts from chapter 10 of
“Operating System Concepts”, 8th Edition,
by A. Silberschatz, P. B. Galvin, G. Gagne,
John Wiley & Sons, 2009.
- Storage Management
 - File-System Interface