Course Introduction

CS239
Advanced Operating Systems
September 29, 1997
Dr. Richard Guy

Things to write down

- rguy@cs.ucla.edu
- http://www.cs.ucla.edu
- 3564B Boelter (view of trash compactor)

Course Overview

CS111 is prerequisite

Lecture-oriented; advance notes on the web

Text: Singhal & Shivaratri's "**Advanced Concepts in Operating Systems**", 1994.

Exams: in-class, open book, essay-based

Grades: 25% midterm, 25% paper, 50% final

Academic integrity statement

Office hours: following the lectures

Reading Materials

Textbook - **Advanced Concepts in Operating Systems**, by Singhal and Shivaratri

Supplemental papers assigned weekly

- Most papers will be posted on WWW
- Others will be put on reserve in SEL

Background books - Tannenbaum's OS text and Silberschatz & Galvin's OS text

Paper

Paper describing important recent research on some operating system topic

Around 12-15 pages

One-paragraph paper proposals due at the end of the 4th week of classes (e-mail OK)

Course Outline

- OS architecture
- Distributed operating systems
- Advanced file systems
- Performance and measurement issues
- Fault tolerance and failure recovery
- Security
- OS's for multiprocessors and databases

Course Schedule

- Monday, September 29 - First day of class
- Friday, October 24 - Paper proposal due
- Monday, November 3 - Midterm
- Friday, December 5 (5pm)- Papers due
- Friday, December 12 (3pm) - Final exam