CS350F Operating Systems (Unique #51940)

Professor Aloysius K. Mok

Spring 2015
TTh 2:00-3:30 p.m., UTC 3.124
Class website: http://www.cs.utexas.edu/~mok/cs350F/Spring15

Prerequisite

The following coursework with a grade of at least C- in each: Computer Science 307, 314, 314H, 315, or 315H; and Computer Science 439 or 439H. The prerequisites will be strictly enforced.

Synopsis

This course covers the principles and selected advanced topics in operating systems

Topics

Basic theory and selected advanced topics in operating system design including process management and scheduling, virtual memory, file systems, I/O organization, fault tolerance, protection and security.

Textbook(s):

"Modern Operating Systems" 3rd Edition, by Andrew Tanenbaum, Prentice Hall 2001 ISDN 0-13-600663-9

Organization

Grades will be determined by homework/programming assignments (36%), two examinations (60%) and in-class participation/presentation (4%). There will be tentatively 4 programming assignments plus 5 homework assignments.

My office hours are Tuesdays and Thursdays 3:30-4:30 p.m. My office is in GCD 6.512. My office phone number is 471-9542. Your TA is Mr. Quan Leng. TA office hours will be announced.
The class webpage is at http://www.cs.utexas.edu/~mok/cs350H/Spring15
We shall use the UT Canvas on-line system for class communication.

Academic Honesty Policy

The following guideline to students has been recommended to the computer science faculty and will apply to this class: "The University and the Department are committed to preserving the reputation of your degree. It means a lot to you. In order to guarantee that every degree means what it says it means, we must enforce a strict policy on academic honesty: Every piece of work that you turn in with your name on it must be yours and yours alone. No co-working is allowed on any test, project, or homework assignment unless explicitly allowed by an instructor in a particular class. You are responsible for enforcing this policy in two ways: 1) You must not turn in work that is not yours, except as expressly permitted by the instructor of each course. 2) You must not enable someone else to turn in work that is not theirs. Do not share your work with anyone else. Make sure that you adequately protect all your files. Even after you have finished a class, do not share your work or published answers with the students who come after you. They need to do their work on their own."