CSCI 350 Spring 2016 Syllabus

Course Logistics

Instructor	Email	Office	Office Hours
Michael Shindler	shindler@usc.edu	SAL 204	W 10:00 - 11:45 AM W 2:00 - 3:45 PM and by appointment

Lecture: TuTh 5:00 - 6:50 PM, ZHS 159.
Textbook: *Operating Systems: Principles and Practice* by Thomas Anderson and Mike Dahlin
Course Website: https://blackboard.usc.edu
Forums: https://piazza.com

Grading

Artifact	Weight	Date		
Exam 1	15%	Tuesday,	February 16	5:00 - 5:50 PM
Exam 2	20%	Tuesday,	April 5	5:00 - 5:50 PM
Final	30%	Thursday,	May 5	4:30 - 6:30 PM
Programming Projects	35%	Various		11:59 PM

One of your programming projects will count as 5% of your grade, while the other three will count as 10% each. For most students, the lowest score will count as 5%. However, any student found to be culpable of an academic honesty violation on one or more programming assignments may not use such an assignment for their "half weight" project.

No work will be considered to have been submitted until the instructor has a signed copy of your acknowledgement of the academic honesty rules. A scanned and emailed copy is acceptable, *provided it is sent from your USC email address directly to the instructor's email address listed above.*

Each of the first two in-class exams will last for 50 minutes and will cover about four chapters from your textbook. In addition, each exam may contain some questions pertaining to the programming assignments, to test whether you have indeed understood the programming assignments.

Academic Honesty and Programming Projects

Please see the programming project regulations handout for a description of what collaboration is and is not acceptable in programming assignments, as well as how to credit acceptable assistance on these assignments.

In any course with a pending academic honesty violation report, you may not drop the course; if you drop the course and are later discovered to have violated the academic honesty agreement, you will be re-enrolled.

Exams

You will be provided with paper on which to take the exam. Both non-final exams will be held during a subset of lecture hours on the desginated days. Exams will be individual effort, closed-book and closed-notes. You will be allowed one 8.5x11inch handwritten note sheet (front & back) on the exams. *This is not a "cheat sheet" – please do not label it as such.*

Students requiring alternate exam arrangements must make such requests within the first two weeks of the term, or as soon as possible after knowing of the conflict or requirement.

Late Policy and Grace Days

Three times during the semester, a student may extend the due date of a programming assignment by twenty four hours without needing prior permission. These are known as "grace days." In order to use a grace day, you must submit a form (which will be provided) before the project's non-extended deadline.

Please note that grace days are *in place of* "excused late" submissions, not in addition to. If you request additional grace days from the instructor, you must have a documented reason for each grace day used to accompany your request. Once you have used your grace days, any late submission will not be accepted and graded as a 0.

Note: There is no grace period. Even if you submit a few minutes after the deadline, you will need to use a grace day (even if the wireless network in your dorm room is down or you have a github issue, etc.). It is your job to be on time and not cut it too close. Remember Murphy's Law and leave time for things to "go wrong." The due time of 11:59 PM is Pacific time and is based on our clock.

Projected Schedule

The following is the projected schedule; we will announce in lecture any deviations from this. All assigned reading is in the textbook of Anderson & Dahlin.

Week	Tues	Topic	Reading	Other
1	1/12	Introduction Concurrency and Threads	Chapter 1 Chapter 4	
2	1/19	Concurrency and Threads Concurrency and Threads	Chapter 4 Chapter 4	
3	1/26	Synchronization Synchronization & Project 1	Chapter 5 Ch. 5 & Proj. 1	
4	2/2	Scheduling Scheduling	Chapter 7 Chapter 7	
5	2/9	Scheduling The Kernel Abstraction	Chapter 7 Chapter 2	Project 1 due Thursday 2/11
6	2/16	Exam 1 & Project 2 The Kernel Abstraction	Project 2 Chapter 2	Exam covers Ch 1, 4, 5, and 7
7	2/23	The Programming Interface The Programming Interface	Chapter 3 Chapter 3	
8	3/1	Advanced Synchronization Advanced Synchronization	Chapter 6 Chapter 6	
9	3/8	Address Translation Address Translation & Proj 3	Chapter 8 Ch. 8 & Proj. 3	Project 2 due Tuesday, 3/8
Spring Break				
10	3/22	Caching and Virtual Memory Caching and Virtual Memory	Chapter 9 Chapter 9	
11	3/29	File Systems Overview File Systems	Chapter 11 Chapter 11	Project 3 due Thursday 3/31
12	4/5	Exam 2 File Systems	 Chapter 11	Exam covers Ch 2, 3, 6, and 8
13	4/12	Storage Devices & Project 4 Storage Devices	Ch. 12 & Proj. 4 Chapter 12	
14	4/19	Files and Directories Files and Directories	Chapter 13 Chapter 13	
15	4/26	Flex Wrap-Up		Project 4 due Saturday 4/30