

CSCI 350 Summer 2016 Syllabus

Course Logistics

Instructor	Email	Office	Office Hours	Lecture
Michael Shindler	shindler@usc.edu	SAL 204	M 9:15 - 10:15 AM W 9:15 - 10:15 AM and by appointment	MW 10:30 - 1:00 KAP 144
Tsung-Han (Stephen) Sher	tsher@usc.edu	TBD	TBD	

Textbook: *Operating Systems: Principles and Practice* by Thomas Anderson and Mike Dahlin

Course Website/Forums: <https://piazza.com/usc/summer2016/csci350/home>

Grades will be posted on BlackBoard. For all else, use Piazza.

Grading

Artifact	Weight	Date
Midterm Exam	20%	Wednesday, July 6 10:30 AM - 11:30 AM
Final	45%	Monday, August 8 10:30 AM - 12:30 PM
Programming Projects	35%	Various 11:59 PM

You will do three programming projects throughout the semester. Projects one and three constitute 10% of your grade each. Project two constitutes 15% of your grade; furthermore, successful completion of project three will require project two to be largely working. You will not be provided a working copy of project two after it is due; *plan accordingly*.

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*.

The midterm exam will last 60 minutes and will cover Chapters 1-5 and 7. Due to the condensed summer schedule, chapters 2 and 3 will not be covered in their entirety in lecture; you are still expected to read them. Review sheets will be provided.

Exams 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 exams will be held during a subset of lecture hours on the designated 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.

Please note that project 3 *cannot* be extended beyond August 9.

Projected Schedule

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

This summer class is on a very condensed schedule. Please be aware of the project deadlines and *start early*. The in-lecture discussions about the projects are designed to allow you to get started with just what we have covered up to that point.

Week	Mon	Topic	Reading	Other
1	June 6	Introduction Concurrency and Threads	Chapter 1 Chapter 4	
2	June 13	Concurrency and Threads Synchronization, Project 1	Chapter 5 Project 1	
3	June 20	Synchronization, Scheduling Scheduling	Chapter 7	
4	June 27	Scheduling, The Kernel Abstraction Project 2, The Programming Interface	Chapter 2 Project 2	Project 1 due 7/1
5	July 4	No School: Holiday Midterm Exam, Advanced Synchronization	Chapter 6	
6	July 11	Advanced Synchronization Address Translation	Chapter 8	
7	July 18	Address Translation, Caching Caching, Virtual Memory, Project 3	Chapter 9 Project 3	Project 2 due 7/22
8	July 25	Caching and Virtual Memory Caching and Virtual Memory		
9	August 1	File Systems Overview FAT32 and UNIX FFS File Systems	Chapter 11 Chapter 13	
10	August 8	Final Exam		Project 3 due 8/7