



Department of Computer Science

Spring 2017

CS 370 – Operating Systems (Section 1002)
Mon & Wed 11:30am – 12:45pm @ SEB 1240

Instructor: Dr. Jisoo Yang
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Office hours: Mon/Wed 10:00am – 11:00am, 3:00pm – 5:00pm, and by appointment
Class website: <http://webcampus.unlv.edu>

Textbook

“Operating Systems: Principles & Practice”, by Thomas Anderson and Michael Dahlin, Recursive Books, 2nd Edition.

ISBN-13: 978-0985673529

ISBN-10: 0985673524

Prerequisites

- CS 302 and either CS 219 or CpE 300 with C or better
- Advanced Standing

Course Topics

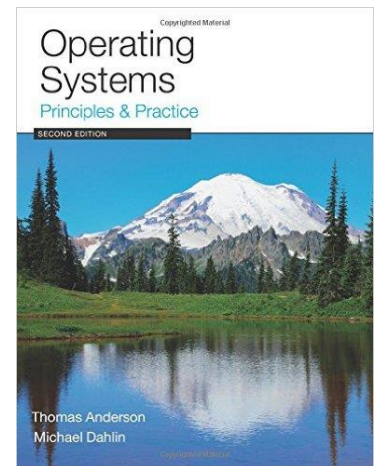
- Process abstraction, concurrency, threads, memory management, protection, file system
- x86 will be used as the standard architecture throughout the class
- Review and discussion of select papers on system software

Course Objectives

- Understand process abstraction and how it is implemented by kernel
- Understand the issues with concurrent programming and synchronization
- Understand memory management and protection
- Understand file system and persistent store
- Learn contemporary systems issues such as virtualization and transactional memory

Programming Project and Homework Assignments

- 4 programming projects – must be written in C in Linux environment (cardiac.cs.unlv.edu)
- 6 homework assignments
- All assignments should be submitted to WebCampus by midnight on due date



- Late submission rule: you have total three days of allowance you can spend on programming projects you wish to submit late. You can only use it in units of one day.

Midterm exams

- Closed books and notes
- Feb 22nd and Apr 3rd, in class 11:30am – 12:45pm

Final exam

- Closed books and notes
- May 10th, Wednesday, 10:10am – 12:10pm @ SEB 1240 (Classroom)
- The final exam will cover entire materials from the beginning

Grading

- Midterm and final scores will be normalized to class’s highest score.
- Project scores will be normalized to class highest score.
- Your homework scores will be added and then normalized to class highest score.
- The normalized scores will be weighted using the table below to arrive the final letter grade.

Test	Weight
Midterm 1	15 %
Midterm 2	15 %
Final	20 %
Programming Project	35 %
Homework	15 %
Class participation	Up to extra 5%

- The final letter grade will be curved, with midpoint roughly at B-.
- Instructor reserves the right to adjust class-wide normalization factor.

Class schedule (subject to change)

	Week of	Monday	Wednesday
1	Jan 16	MLK Jr. Day Recess	
2	Jan 23	Homework #1 Assgn	Project #1 Assgn
3	Jan 30		
4	Feb 6	Homework #2 Assgn	
5	Feb 13		Project #2 Assgn
6	Feb 20	Washington’s Birthday Recess	Midterm exam 1
7	Feb 27	Homework #3 Assgn	
8	Mar 6		
9	Mar 13	Homework #4 Assgn	
10	Mar 20		Project #3 Assgn
11	Mar 27	Homework #5 Assgn	
12	Apr 3		Midterm exam 2
13	Apr 10	Spring Break Recess	Spring Break Recess
14	Apr 17	Homework #6 Assgn	Project #4 Assgn
15	Apr 24		
16	May 1		
17	May 8	Final week – No Class	Final exam

Select UNLV Academic Policies

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Religious Holidays Policy – Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor within the first 14 calendar days of the semester of his or her intention to participate in religious holidays that do not fall on state holidays or periods of class recess. This policy shall not apply in the event that administering the test or examination at an alternate time would impose an undue hardship on the instructor or the university that could not reasonably have been avoided. Any student who is denied a make-up option after appropriately notifying the instructor, shall have the right to appeal that decision through the normal appeal mechanism in place. For additional information, please visit: <http://catalog.unlv.edu/content.php?catoid=13&navoid=1634>

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