

SYLLABUS
ECE 151 / CMPSC 171
Distributed Systems
Spring 2014

Professor: Dr. Louise E. Moser
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Office Hours: T Th 2:00-3:30pm and by appointment

Lecture: T Th 11:00am-12:15pm, Phelps 2524
Discussion Section: Th 5:00-5:50pm, Phelps 1444
Discussion Section: F 10:00-10:50am, Phelps 1440
Course URL: http://www.ece.ucsb.edu/courses/ECE151/151_S14Moser/

Teaching Assistant: Miguel Lastras Montano
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Office Hours: M W 3:00-4:00pm, Th 4:00-5:00pm and by appointment

Teaching Assistant: Harichandan Pulagam
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Office Hours: M W 1:00-2:00pm, F 11:00am-12:00noon and by appointment

Prerequisites: CMPSC 170 or consent of instructor.

Description: Topics in this course include operation on multiple computers, distributed programming techniques and distributed programming languages, message passing, remote procedure invocation, group communication, asynchrony, causality, consistency, fault tolerance and recovery, group membership, naming, resource management, scheduling, specification, monitoring, testing and debugging.

Text: Distributed Systems: Principles and Paradigms, Andrew S. Tanenbaum and Maarten van Steen, Prentice Hall, Second Edition, ISBN 0-13-239227-5

Units: This is a 4 unit course with a discussion section. The 4 units count as 2 design units and 2 theory units.

Homework Assignments: Homework assignments are to be submitted in the ECE 151 / CMPSC 171 box in the entry way of Room 3120 of Harold Frank Hall by 5pm of the day on which they are due. Usually, they will be assigned on Tuesday and due on Monday of the following week. No late assignments will be accepted.

Examinations: The midterm exam will be given in class on Tuesday, May 6, from 11:00am-12:15pm. The final exam is scheduled for Wednesday, June 11, from 12:00-3:00pm. Students must attend the midterm and final exams at the scheduled times.

Grading: Midterm exam 15%; final exam 35%; assignments 35%; class attendance/participation (lectures and discussion sections) 15%.

To guard against misplaced assignments, it is a good idea to keep a copy of all assignments that you submit until the graded assignments are returned. The returned assignments should be retained until after the final course grade has been received.

Policy on Collaboration: With the exception of the programming assignments (which will be done in teams of two students), all other assignments are to be done on an individual basis without substantial assistance from any other person. Students collaborating on an assignment or in-class exam will receive $1/n$ th of the score on the assignment or exam, where n is the number of students collaborating. In all such cases, a report of the action will be forwarded to the Dean of Students Office.