Course Description and Requisites

Fundamentals: Contiguous and non-contiguous memory management; processor scheduling and interrupts; concurrent, mutually exclusive, synchronized and deadlocked processes; parallel computing;ï¿½files. Substantial programming project required.

Prerequisite(s): CS 47 or CMPE 102 (with a grade of "C-" or better), and CS 146 (with a grade of "C-" or better).ï¿½Allowed Declared Majors: Computer Science, Applied and Computational Math, Forensic Science: Digital Evidence, or Software Engineering Majors only; or Instructor Consent.

Letter Graded

Program Information

Diversity Statement - At SJSU, it is important to create a safe learning environment where we can explore, learn, and grow together. We strive to build a diverse, equitable, inclusive culture that values, encourages, and supports students from all backgrounds and experiences.

Course Learning Outcobn   47ch

Course Materials

[Operating Systems: Three Easy Pieces (OSTEP) (http://pages.cs.wisc.edu/~remzi/OSTEP/)](http://pages.cs.wisc.edu/~remzi/OSTEP/) is the main textbook for this class. There is also a book on

Participation really just means that you come to class and occasionally ask or answer a question. It does not really matter if your answers are correct or your questions are "good" (there are no bad questions). I simply want you to engage in class.

Grading Information

The grade is based on a combination of programming assignments, exams, and quizzes.

Breakdown

Programming Projects	40%
Midterm 1	15%
Midterm 2	15%
Final	20%
Quizzes and Class Participation	10%

University Policies

Per University Policy S16-9 (PDF)

	8/28	Scheduling	
3	9/2	No Class	
	9/4	Multi-level Feedback Queues	
4	9/9	Memory Management	
	9/11	Memory Segmentation	
5	9/16	No class	
	9/18	Pages: TLB	
6	9/23	Multi-Level Paging	
	9/25	Review	
7	9/30	Midterm #1	
	10/3	Threads	
4	10/7	Locks, Condition Variables	
	10/9	More Locks and CVs	