CECS 326 Section 7 - Fall 2016 Syllabus

fall2016 syllabus

Operating Systems

CECS 326 - Section 7

Fall 2016

Instructor: Anthony Giacalone
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Office: VEC-503A
Office Hours: Mon Wed 4:00 PM - 5:00 PM, Tue 12:00 PM - 1:00 PM

Course Information		
Course Lecture	Tue Thu 9:30 AM - 10:20 AM	ECS-302
Course Lab	Tue Thu 10:30 AM - 11:50 AM	ECS-414

Required Textbook:
Operating System Concepts, 9th edition, by Abraham Silberschatz and Peter B. Galvin

Optional Textbooks:
The C Programming Language, 2nd edition, by Brian Kernighan and Dennis Ritchie
Advanced Programming in the UNIX Environment, 3rd edition, by W. Richard Stevens

Catalog Description:

Prerequisites: CECS 282 and 285 (or 346). The structure and functions of operating systems. Interrupt handling, processes and interprocess communication, memory management, resource scheduling, information sharing and protection. Project implementation in C/C++. (Lecture 2 hours, laboratory 3 hours.) Letter grade only (A- F).

Course Goals:

By the conclusion of this course, students will be able to:

- Understand the classical and modern approaches to operating systems
- Apply problem solving skills to understand how operating systems work
- Understand the tradeoffs inherent in operating system design
- Apply knowledge about operating systems to different environments
- Know how to use operating system services to enhance application code

- Have a solid understanding of the classical computer science operating system challenges

Attendance:

Attendance is not strictly required, but all material presented during lecture or lab is fair game for exam questions or homework. Students are responsible for notifying the instructor about any extended leave of absences. There will be *no makeups* for assignments, quizzes, or exams that are missed due to an unexcused absence.

Exams:

Students will take two midterm exams throughout the semester. **There will be no makeups allowed for any quiz or exam**. A final exam is administered at the conclusion of the semester. There may be some writing on the quizzes and exams.

Grading			**Grade Scale**	
Homework and labs	35%		90% or above	A
Midterm exams and quizzes	40%		80% - 89%	B
Final exam	25%		70% - 79%	C
Total	100%		50% - 69%	D
			49% and lower	F

Class Rules:

Homework will be assigned approximately every other week, and will mostly involve written work.

- Homework assignments are due **at the beginning of class** on their due date or at the **time indicated on Beachboard Dropbox**.
- Homework may include writing code, doing research and essay writing, debugging programs, and other disciplines.
- Homework will be *strictly* graded on correct answers to the questions.

Labs are short programming assignments designed to practice ideas from lecture.

- Lab assignments will include a programming portion, and some may also include problem solving, writing, or other disciplines.
- Lab assignments are due **at the beginning of class** on their due date or at the **time indicated on Beachboard Dropbox**.
- You are welcome to work on lab assignments at home, but assistance will only be provided during class time and office hours.

- Most labs will be submitted with a printout of your code. Some will require additional deliverables.
- Labs will be graded on correct answers to required deliverables.
- All source code submitted must be adequately commented in order to receive credit.

Late assignments will, at a minimum, be subject to a 10% reduction in grade *per day* that the assignment is late. I do not accept homework submissions via email or fax.

Computer Software:

You will be responsible for finding and installing any software needed to complete programming assignments in the languages that we study. While it is not strictly required for this course, I *highly recommend either installing a Linux operating system on your computer or running a virtual machine with Linux as the OS*. This course can be completed in its entirety using free, open-source software.

Academic Honesty:

Cheating and **plagiarism** will not be tolerated in this course. Any individual caught cheating on quizzes, homework, lab projects, or the final exam will be punished to the full extent allowed under University regulations. **Anything with your name on it must be written by you**. Plagiarism on papers or assignments is not acceptable and work that is plagiarized will not receive credit. Plagiarism is considered cheating. Note: any time another person's work is used without giving them proper credit, it is considered plagiarism and cheating.

At a minimum, any student caught cheating will receive no credit for the work concerned and will receive a reduction of one letter grade from their final course grade. The official CSULB Policy on Cheating and Plagiarism can be found here:
http://web.csulb.edu/divisions/aa/catalog/current/academic_information/cheating_plagiarism.html

Withdrawal Policy:

Students may request a withdrawal from the instructor as long as the request meets the requirements of the University and no more than one of the assigned midterm exams has been given to the class. Request for withdrawal from the course involving extenuating circumstances will be evaluated on a case-by-case basis at the discretion of the instructor.

COE Tutoring Services Available for Major Classes:

The College of Engineering Tutoring Center offers free tutoring for many lower and upper division engineering courses in MAE, CECS, CECEM, CHE and EE. Tutors are available Monday through Friday during the fall and spring semesters between the hours of 9:00am-6:00pm in EN2-300. Visit the following website for detailed tutoring schedules:
http://web.csulb.edu/colleges/coe/views/essc/academic_success/engineering_tutor.shtml

Accommodations for Disability:

It is the student's responsibility to notify the instructor of any accommodations for disabilities that have been verified by the University *in advance*.