

Principles of Programming Languages

CECS 342 - Section 5

Fall 2021

Course Lecture (10559) Tu Th 9:30 AM - 10:45 AM Zoom

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Hours: MoTuWeTh 1 PM-2 PM

Required Textbook.

- *Programming Language Pragmatics*, 4th edition, by Michael L. Scott

Catalog Description. Prerequisite: CECS 328 with a grade of “C” or better. Fundamental topics in the design and implementation of programming languages. Programming language paradigms. Comparison of languages in type systems, data types, control flow, subroutines, concurrency, and exception handling.

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

- Understand the differences between various programming language paradigms
- Apply problem solving skills to understand the differences between programming languages
- Understand how and why programming languages are designed and the challenges presented to language designers
- Have a basic understanding of functional and logic based programming
- Have knowledge about programming language concepts like binding time, higher-order functions, and recursion
- Be able to rapidly learn new programming languages using the knowledge gained in this course

Grading		Grade Scale	
Homework and Labs	35%	90% or above	A
Exams and Quizzes	40%	80% - 89%	B
Final Exam	25%	70% - 79%	C
		60% - 69%	D
Total	100%	59% or lower	F

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.

Attendance. Attendance in this course is mandatory, as 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.

Class Rules. Homework and lab assignments will be assigned approximately every other week, and will mostly involve written work and coding.

- Homework and lab assignments are **due on the date and time indicated on the assignment sheet and Beachboard Dropbox.**

- Homework may include writing code, doing research, essay writing, debugging programs, and other disciplines.
- Lab assignments will be coding exercises designed to practice the concepts discussed in lecture.
- You are welcome to work on homework and lab assignments at home, but assistance will only be provided during lab time and office hours.
- Labs will be graded on correct answers to required deliverables and/or the completeness of the assignment. Incomplete assignments may receive partial or no credit at the discretion of the instructor.
- Students will be expected to read selections from the textbook for every lecture session. These readings should be done before class so that we can have a discussion on the topics during the lecture.
- During exams, there will be *no bathroom breaks*. Please be sure to use the restroom prior to the start of the exam. If a student leaves the classroom before the exam has been concluded, that student forfeits the completion of the rest of their exam.
- All source code submitted must be adequately commented in order to receive credit. Source code which is not commented with the student's own comments *will not receive any 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, fax, or any other means than the deliverable requirements listed on the assignment sheet.

Computer Software. You will be responsible for finding and installing any software needed to complete the programming assignments for this course. While it is not strictly required, *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, CECM, 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. Students with a disability or medical restriction who are requesting a classroom accommodation should contact the Bob Murphy Access Center (BMAC) at 562-985-5401 or visit SCC, room 110 during 8AM-5PM weekday hours. BMAC will work with the student to identify a reasonable accommodation in partnership with appropriate academic offices and medical providers. **We encourage students to reach out to BMAC as soon as possible.**

Accommodations for Food and Housing. Any student who is facing academic or personal challenges due to difficulty in affording groceries/food and/or lacking a safe and stable living environment is urged to contact the CSULB Student Emergency Intervention & Wellness Program. The website outlining the resources available is <http://www.csulb.edu/basicneeds>. Students can also email supportingstudents@csulb.edu or call 562-985-2038. If comfortable, students may reach out to the professor as they may be able to identify additional resources.