



Syllabus for CSE019-01: Introduction to Computing

Fall 2021

Instructor: Renato Madureira De Farias

Designation:	Introduction to Computing
Catalog Description:	CSE19 is intended to present the basics of programming to the beginner. Modern topics in computer science such as Object-Oriented Programming, recursion and data manipulation will be covered, using the Python programming language as a learning and exploration tool. CSE19 is a 4 credit course, which includes 3 hours of lecture, 3 hours of lab, and various assignments each week.
Text Books and Other Required Materials:	zyBook: Programming in Python 3 Subscription instructions: 1. Sign in or create an account at learn.zybooks.com using your UC Merced email address 2. Enter zyBook code UCMercedCSE19FariasFall2021 3. Subscribe If you encounter a problem, contact support@zybooks.com to get it resolved. IMPORTANT NOTE -- Reading and programming assignment grades will depend heavily on the activities within the subscription account!
Course Objectives/ Student Learning Outcomes:	Students will learn how to apply knowledge of computing and mathematics to programming. Students are expected to acquire abilities to analyze a problem and identify the computing requirements appropriate for its solution. Students will also learn to design, implement, and evaluate a computer-based system, process, or program to meet desired needs. In addition, students will learn to recognize the need for an ability to engage in continuing professional development. Students will learn to use current techniques, skills, and tools necessary for computing practice. Students are expected to learn to apply mathematical foundation, algorithmic principles, and computer science theory to the modeling and design of computer-based system in a way that demonstrates comprehension of the trade-off involved in design choices.
Program Learning Outcomes:	
Prerequisites by Topic:	
Course Policies:	COLLABORATION POLICIES: For LAB ASSIGNMENTS, you may work together with other students if you wish or when assignment asks for explicit collaboration. Giving each other help in finding bugs and in understanding the assignment is encouraged. It is permissible to allow other students to see small portions of your code on-screen during lab, but you may not allow them to copy directly.

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For PROJECTS, each student must write their program as an individual or in pairs. You may talk with other students about general approaches to the problem, but you may not allow others to see your code, nor may you ask to see another student's code.

You may, of course, seek assistance from the course TAs and the course instructor for all the assignments.

DEADLINE AND LATE POLICIES:

The posted deadline on CatCourses will be the official deadline for each assignment. The instructor has the discretion to change this on a per-assignment or per-project basis. In general, no late work submission past the deadline will be accepted. Exceptions to this policy can only be made for valid reasons, with documentation. If you know before an assignment or project begins that you will not be able to make a deadline, please make arrangements with the instructor ahead of time. Similarly, make-up exams will NOT be provided unless arrangements are made beforehand.

LAB ATTENDANCE POLICIES:

You are expected to attend the lab session for which you are enrolled, as opposed to the lab session of another TA, unless you make explicit arrangements with the instructor. This is to prevent any lab section (such as the more conveniently-timed ones) from getting overcrowded. Lab sections are where you will get most of the information and learn so it is important to attend, however attendance will NOT be required.

Academic Dishonesty Statement:

- a. Each student in this course is expected to abide by the University of California, Merced's Academic Honesty Policy. Any work submitted by a student in this course for academic credit will be the student's own work.
- b. You are encouraged to study together and to discuss information and concepts covered in lecture and the sections with other students. You can give "consulting" help to or receive "consulting" help from such students. However, this permissible cooperation should never involve one student having possession of a copy of all or part of work done by someone else, in the form of an e mail, an e mail attachment file, a diskette, or a hard copy. Should copying occur, both the student who copied work from another student and the student who gave material to be copied will both automatically receive a zero for the assignment. Penalty for violation of this Policy can also be extended to include failure of the course and University disciplinary action.
- c. During examinations, you must do your own work. Talking or discussion is not permitted during the examinations, nor may you compare papers, copy from others, or collaborate in any way. Any collaborative behavior during the examinations will result in failure of the exam, and may lead to failure of the course and University disciplinary action.

Disability Statement:

Accommodations for Students with Disabilities: The University of California Merced is committed to ensuring equal academic opportunities and inclusion for students with disabilities based on the principles of independent living, accessible universal design and diversity. I am available to discuss appropriate academic accommodations that may be required for student with disabilities. Requests for academic accommodations are to be made during the first three weeks of the semester, except for unusual circumstances. Students are encouraged to register

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Topics:	Variables and Expressions Conditionals Loops Functions Strings Lists and Dictionaries Classes Modules Files Recursion
Class/laboratory Schedule:	Lecture: MWF 12:30-1:20pm; Lab: See class schedule for times and locations
Midterm/Final Exam Schedule:	The Midterm/Final Exam schedule will be announced over the course of the semester.
Course Calendar:	
Professional Component:	
Assessment/Grading Policy:	Reading assignments: 15% Programming assignments: 25% Project: 15% Midterm: 20% Final exam: 25%
Coordinator:	Renato Farias
Contact Information:	Email: rfarias2@ucmerced.edu
	I will try to answer your emails within 48 hours. However, I may not be able to answer emails at certain times, such as late in the day or during weekends/holidays. Please plan accordingly.
Office Hours:	Instructor Office Hours: Wednesdays, 4:30-5:30pm, in my office at SE2 278. Other times by appointment. TA Office Hours: TBA.