UNIVERSITY OF CALIFORNIA
UCMERCED

Syllabus for CSE021-01: Introduction to Computing II

Spring 2018
Instructor: Santosh Chandrasekhar

Designation:	CSE21: Introduction to Computing II
Catalog Description:	CSE21 is intended to continue presenting 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 Java programming language as a learning and exploration tool. CSE21 is a 2 credit course, which includes 50 minutes of lecture, 2 hours and 50 minutes of lab, and various projects each week. Students in CSE21 are expected to have a firm command of the topics presented in CSE 20.
Text Books and Other Required Materials:	ZyBooks: Programming in Java 1. Sign in or create an account at learn.zybooks.com using your UC Merced email address 2. Enter zyBook code UCMERCEDCSE21ChandrasekharSpring2018 3. Subscribe Each student must subscribe his/her own copy with a UC MERCED EMAIL ADDRESS. Participation grade will be evaluated based on the activities within the subscription account. IMPORTANT NOTE -- If you had a subscription of the book from a prior semester (CSE 20/21) you may have the option to renew. In case of renewal, when you enter the code in ZyBooks, you will be given two options. One for the school term (Cheaper), and the other for the school term + 1 year (More expensive). Please select the FIRST CHEAPER OPTION.
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:	Class Prerequisite: CSE 020
Course Policies:	DEVICE AND FACILITY POLICIES: Computers are NOT needed for tests or for any in-lecture activities. Please do not bring laptops or mobile gaming devices to lecture. It is not necessary for you to

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have your own computer for this course, as all computing resources necessary will be provided in the lab. Projects and lab assignments are designed to be completed within the designated weekly lab sessions. If you do not complete a particular assignment during normal lab hours, you may use any Open Access lab to complete your work. Even though our labs will use the Linux operating system, the Eclipse programming environment we will use is identical for Linux, Windows and macOS.

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.

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.

WORK SUBMISSION POLICIES:

Projects and lab assignments will be submitted through CatCourses. To make sure you receive full credit for all of your assignments, you MUST verify the solutions with your TA or instructor before submitting.

DEADLINE AND LATE POLICIES:

The posted deadline on CatCourses will be the official deadline for each assignment. In general, the deadline for submission of a LAB ASSIGNMENT will be ONE WEEK, and of a PROJECT will be TWO WEEKS after it is posted on CatCourses; however, you will be given a grace period of THREE days to complete your submission. The instructor has the discretion to change this grace period on a per-assignment or per-project basis.

No late work past the grace period 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, unless you make explicit arrangements with the instructor. Lab sections are where you will get most of the information and learn so it is important to be there physically every week. Your participation grade will be a direct reflection of your lab attendance, in addition to textbook activities.

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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 with Disability Services Center to verify their eligibility for appropriate accommodations.
Topics:	Methods Classes and Objects Strings 2D Arrays ArrayLists Advanced I/O Inheritance Recursion Polymorphism
Class/laboratory Schedule:	Lecture: M 3:30-4:20pm, CLSSRM 102; Lab: See class schedule for time and location
Midterm/Final Exam Schedule:	This schedule is subject to change, but is tentatively set as follows: Midterm: 05-MAR, M 3:30-4:20pm, CLSSRM 102 Final Exam: 10-MAY, R 11:30-2:30pm, CLSSRM 102
Course Calendar:	
Professional Component:	
Assessment/Grading Policy:	Grading will be based on written tests, computer programs, weekly computer-based lab assignments, and lab/reading participation. All tests will be open-book and open-notes. Your final grade will be calculated based on the following: Participation (Lab and Reading): 15% 2 Projects: 15% 1 Midterm: 20%

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Coordinator:	Santosh Chandrasekhar
Contact Information:	Email: schandrasekhar@ucmerced.edu I will try to answer your emails within 48 hours. However, I may not be able to answer emails after 5:00 p.m. or during weekends/holidays. Please plan accordingly.
Office Hours:	T: 1:00-5:00pm (AOA 143) R: 1:00-3:00pm (AOA 143) or by appointment