CSC 295 Select Topics in Computer Science: Software Development
Computer Science Department
California State University Dominguez Hills
Fall 2016

Instructor: Liudong Zuo (Ph.D.)
Email: LZUO@csudh.edu
Lecture Time & Room: TuTh 4:00 PM - 5:15 PM in NSM B208
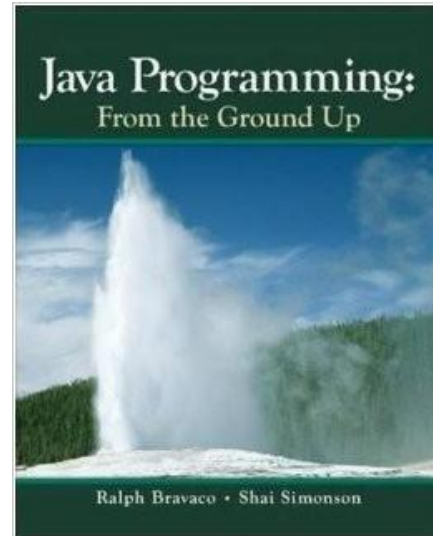**Office Hours:** MoWe 10:20 AM - 12:00 PM, or by appointment
Office Location: NSM E109

Prerequisites: CSC 123

Course Materials (Free)

Introduction to Programming using Java
http://math.hws.edu/javanotes/

Course References (textbook of CSC 121 and 123, right picture)

Java Programming: From the Ground Up (1st Edition)
Authors: Ralph Bravaco and Shai Simonson
Publisher: McGraw-H
ISBN-10: 0073523356   ISBN-13: 978-0073523354

Course Description

This course is an advanced Java programming course. Through extensive programming exercises, homework and projects, students are expected to have a much deeper understanding about major aspects of object-oriented programming, and significantly enhance their programming and problem solving ability. Real programmer interview question will be shown to students. Eclipse and Netbeans will be used as the Java IDEs. Please refer to the Course Outline and Schedule for the coverage. Course unit: 3.

Course Objectives

- Solidify students' understanding about major aspects of object-oriented programming
- Enhance students' programming and problem solving ability significantly
- Improve students' collaboration ability through team projects
- Build a solid foundation for further study in computer science/technology.

Final Exam: 4:00 PM - 6:00 PM, Tue., Dec. 13 (subject to change)

Grading: Attendance: 5%, Project: 45%, Homework: 50% (subject to change)

This course can include up to an additional 20 hours per week to read the lecture materials, and complete the homework and programming assignments.

Grading Scale (subject to change)

Score Range	Grade	Score Range	Grade	Score Range	Grade
96-100	A	90-95	A-	87-89	B+
83-86	B	80-82	B-	77-79	C+
73-76	C	70-72	C-	67-69	D+
60-66	D	Below 60	F	NA	

Other Policies (subject to change)

- You are strongly encouraged to attend all lecture classes, read and study the lecture materials, and contribute to class discussions.
- For the homework and projects, the later you submit yours after the deadline, the less possible points you will get. If you submit your homework within the 0-12/12-24/24-36/36-48 hours after the deadline, the points you will get is 90%/80%/70%/60% * your total points out of the full points. The hard deadline is the earlier time between 48 hours after the deadline and the homework/project solution post time. After hard deadline, no points will be given.
- Homework and projects will be given in class periodically throughout the semester and announced in class.Students are allowed to discuss the homework and projects with the other students. However, each student must finish the homework and projects on his/her own.
- Plagiarism and cheating consequences: warning for the first time, zero points for corresponding homework/project for the second time, and "F" final grade for the third time and will be reported to the department and university.
- There might be bonus points in the homework/project or for attendance. Attendance will be checked randomly. One attendance, lowest score of your homework will be dropped when calculating the final overall grade.
- Classes meet on the scheduled dates and room. All electronic devices must be turned off or turned to silent mode when inside the classroom. Surfing the internet, food or drinks are not allowed in the computer lab.

Academic Integrity

Academic integrity is of central importance in this course and every other course at CSUDH. Plagiarism and cheating (e.g. stealing or copying the work of others and turning it in as your own) will not be tolerated, and will be dealt with according to university policy. The consequences for being caught plagiarizing or cheating range from a minimum of a zero grade to expulsion from the University. You are obliged to consult the appropriate sections of the University Catalog and obey all rules and regulations imposed by the University relevant to its lawful missions, processes, and functions. Students are allowed and encouraged to discuss with other students and look up resources in the literature for their assignments. However, appropriate references must be included for the materials consulted, and appropriate citations should be made when the material is taken verbatim.

Accommodations for Students with Disabilities

Cal State Dominguez Hills adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with temporary and permanent disabilities. If you have a disability that may adversely affect your work in this class, I encourage you to register with Disabled Student Services (DSS) and to talk with me about how we best can help you. All disclosures of disabilities will be kept strictly confidential. Please note: you must register with DSS to arrange an no accommodation. For information call (310) 243-3660 or send an email message to dss@csudh.edu or visit the DSS website http://www4.csudh.edu/dss/ contact-us/index or visit their office WH D-180.

Behavioral Expectations

We all are adults so behavior rarely is an issue. Just follow the Golden Rule: "do unto others as you would have them do unto you" then everything will be fine.

The university must maintain a classroom environment that is suitable for learning, so anyone who insists on disrupting that environment will be expelled from the class.

Course Outline and Schedule (subject to change)

Week	Topic and Chapter
1	CSC 121 review
2 - 3	UML Tutorial, Objects and Classes
4 - 5	Inheritance and Polymorphism
6	Wrappers and Exceptions
7	Data Structures and Generics
8 - 9	Java Collections Framework
10 - 11	Graphics AWT and Swing
12 - 13	Event-Driven Programming
14	Secure/Socket Programming
15	Concurrency Programming