

Co Sci 452 - Programming in Java

Course Information

Sect 24684 LEC - Room: INST 2006 Times: Th 5:45 pm - 7:50 pm
Sect 24685 LAB - Room: INST 2006 Times: Th 7:55 pm - 10:00 pm
Sect 10610 LEC - Online
Sect 10616 LAB - Online
Final Exam: Dec 9th - Dec 15th

Pre-requisite

Co Sci 407 - Programming Logic

Course Description

Covers Java language and object-oriented programming paradigm. Topics include control structures, methods, Java classes, overloading, object references, inheritance, polymorphism, Java library packages, exception handling, file I/O and recursion. Introduces data structures such as arrays, lists and stacks.

Student Learning Outcomes

1. Analyze, design and implement solutions using Object-Oriented Program (Java or C++) using one class.
 - a. Create classes for objects
 - b. Provide constructors for objects
 - c. Provide mutators/setters and accessors/getters for instance variables
 - d. Write modular programs
 - e. Provide adequate documentation for each methods
2. Analyze, design and implement solutions using Object-Oriented Program (Java or C++) using classes and sub-classes. Demonstrates the three features of Object-Oriented Programming: Encapsulation, Inheritance and Polymorphism by a capstone project at the end of the semester.

Require Access to Revel

Introduction to Java Programming, Comprehensive by Y. Daniel Liang. ISBN: 9780133945140

Course Schedule

Note: Schedule subject to change. Please check Canvas and Revel regularly for material to be covered, project/assignment due dates and exams.

Week	Date	Date	Chapter	Labs	Exam
1	Thursday	29-Aug	Chapter 1 Introduction to Computers, Programming, and Java		
2	Thursday	5-Sep	Chapter 2 Elementary Programming	Lab 01	
3	Thursday	12-Sep	Chapter 3 Selections	Lab 02	

4	Thursday	19-Sep	Chapter 4 Mathematical Functions, Characters, and Strings	Lab 03	
5	Thursday	26-Sep	Chapter 5 Loops	Lab 04	
6	Thursday	3-Oct	Review	Lab 05	Exam 1 (1-5)
7	Thursday	10-Oct	Chapter 6 Methods		
8	Thursday	17-Oct	Chapter 7 Single-Dimensional Arrays	Lab 06	
9	Thursday	24-Oct	Chapter 8 Multidimensional Arrays	Lab 07	
10	Thursday	31-Oct	Review	Lab 08	Exam 2 (6-8)
11	Thursday	7-Nov	Chapter 9 Objects and Classes		
12	Thursday	14-Nov	Chapter 9 Objects and Classes - contd.		
13	Thursday	21-Nov	Chapter 12 Exception Handling and Text I/O	Lab 9	
14	Thursday	28-Nov	Thanks Giving Holiday		Exam 3 (9, 12)
15	Thursday	5-Dec	Chapter 18 Recursion	Lab 10	
16	Thursday	12-Dec	Exam Week (12/10 - 12/16)	Lab 11	Finals

Course Evaluation Criteria

The graded assignments will be evaluated using the following weighted categories:

Category	Weight
Revel	30 %
Labs	40 %
Exams	30 %
Extra Credit - CodingBat.com	2.5%
TOTAL	102.5%

Each chapter in **Revel** has quizzes. Please complete reading the chapter and completing the exercises by due date. *For traditional classroom that meets on Thursdays, this means to complete it before class time.* The purpose of these quizzes is to show understanding, hence please do not hesitate to ask for help by opening a discussion. I monitor your progress in Revel each week. They are worth **30%** of your overall grade.

You should submit the **labs** in Canvas. Please note the due dates in Canvas. Read the rubric, and test your code before submission. I grade the labs within a week after due date. They are worth **40%** of your overall grade.

The **Exams** consists of multiple-choice questions and are available for a week, as shown on the schedule above. They are worth **30%** of your overall grade.

Important and Useful Information

Student Services

To find a comprehensive list of services visit <http://www.lamission.edu/students/>.

Student e-mail ID

Visit the mycollege.laccd.edu to login to your student.laccd.edu account. Important announcements from the LACCD, LAMC, and your Instructor will be sent to this e-mail. It is your responsibility to check this email, by logging on to it regularly. If necessary, ensure that the e-mails from here are being forward.

Disabled Student Programs and Services (DSP&S)

If you are a student with a disability and require classroom accommodations, please see me to discuss arrangements. The sooner I am aware that you are eligible for accommodations, the quicker I will be able to provide them. If you have not done so already, you may also wish to contact the DSP&S Office in Instruction Building 1018 (phone #818.364. 7732/TTD 818.364.7861) and bring a letter stating the accommodations that are needed.

Students requesting academic accommodations should use the following procedure:

1. **Step 1:** Obtain documentation of your disability from a licensed professional. You may contact DSPS to request a Disability Verification Form.
2. **Step 2:** Make an appointment to meet with a DSPS Specialist to review your documentation and discuss reasonable accommodations.

To schedule a meeting, please call DSPS at (818)364-7732.

3. **Step 3:** Bring your disability documentation to your DSPS appointment. The DSPS office is located in room 1018 of the Instructional Building.
4. **Step 4:** Each semester, reach written accommodation agreement with the DSPS Specialist and your instructor.
5. To be most effective, students should complete this process by the end of the 3rd week of the semester. Tests with required accommodations must be taken at the DSPS office

Emergency Procedure:

*If a campus emergency that poses risk to students occurs, please be prepared to immediately follow the instructions of your Instructor.

*Do not exit the classroom until instructed to do so.

*If building evacuation is required, you will be asked to leave all of your non-essential personal belongings in the classroom.

*Quickly, yet orderly and safely, exit the classroom and the building, preferably through main entrance.

*Proceed to the **Quad**.

*As the last person to exit, I will lock the classroom door behind me and meet you at the **Quad** in order to account for your presence and safety.

Recording devices in classroom

Section 78907 of the California Education Code prohibits the use of any electronic audio or video recording devices, without prior consent of the instructor (including cell phones, laptops, MP3 players, and more)

Important Dates to Remember

Accurate/current information are found at

<http://www.lamission.edu/students/calendar.aspx>

Instructor Information

Contact Information

NAME: Milan Samplewala

EMAIL: samplem@lamission.edu

PHONE: (818) 833-3385

OFFICE: INST 18

Office Hours

My website: <http://lamission.edu/~samplem> lists my office hours. For office hours by appointment, contact me by email or phone.

Turnaround/Feedback

I respond to emails and private messages within 24 hours, during the hours of 12:00 am to 9:00 pm, Monday through Thursday.

Canvas E-mail vs. Discussion

Please use Canvas **Inbox** to send me an email. Use Canvas Inbox even for 'private' questions like inquiries about your grade. This will keep all our course related correspondence together.

For all other queries, first check the Canvas **Discussions** to see if the answer to your question already exists. If not, put up your question in discussion. Allow other students to respond and see if they can provide the answers, you are looking for. I shall be closely monitoring the questions and responses for accuracy.

Note

Do not use comments in assignments to correspond with me. Send me an email using **Inbox**. Do not comment on announcements to get my attention. Send me an email using **Inbox**.

Other

Online classes are very different from traditional face-to-face classes. To help you be successful in your online course, LAMC has made some resources available to you. These resources can be found at [Mission Online](#) and include guides to help you log on to your course. Here is also a direct link to [LAMC E-Counseling](#) and [Online Education Initiative Tutorials](#). Through these links; you will find many interactive tutorials and tools. I hope you will find these to be useful throughout the semester.

Course Policies

Grade Conversion

The final grades calculated from the percentages earned in the course, as follows:

Grade	Percentage	Credit
A	90-100%	4.0
B	80-89%	3.0
C	70-79%	2.0
D	60-69%	1.0
F	<60%	0.0

Attendance

If the student is inactive for more than a week (if 8 week session) or two weeks (if 16 week session), the instructor may exclude the student from the class. *Inactive means not attending the class if it is a hybrid or traditional course. For online class, it means has not submitted assignments due that week.* For materials covered in the class, refer to the schedule on Canvas. Lectures notes may be available in Canvas, check their first. Otherwise, it is a student's responsibility to get missing class notes from other classmates.

Incomplete Policy

A student who has successfully completed more than 80% of the entire semester course work at end of semester and has communicated with the instructor with a justifiable explanation may be considered for an incomplete grade.

Reminder

If you stop attending a class (or wish to drop a class), please drop the class yourself - on or before **November 17, 2019**. Drop classes with a "W", before **November 17**. Failure to drop the class in a timely manner will result in letter grade of (A, B, C, D or F).

Academic Integrity

Plagiarism

All students must comply with the policies that regulate all forms of academic dishonesty, or academic misconduct, including plagiarism, self-plagiarism, fabrication, deception, cheating, and sabotage.

Student Conduct

Please make yourself familiar with [http://www.lamission.edu/aso/docs/STANDARDS OF STUDENT CONDUCT.pdf](http://www.lamission.edu/aso/docs/STANDARDS_OF_STUDENT_CONDUCT.pdf) document.