San José State University
Computer Science
CS 46A - Introduction to Programing, Section 2

Fall 2017

Course and Contact Information

Instructor:	Nooshin Tajik
Office Location:	DH282
Telephone:	Please use email
Email:	nooshin.tajik@sjsu.edu Or contact me through Piazza
Office Hours:	Wed at 1:00 to 2:00 pm
Class Days/Time:	Mon & Wed at 3:00 to 4:15 pm
Classroom:	MH225
Prerequisites:	Eligibility for Math 019 and a major of Computer Science, Software Engineering, or Undeclared major; or instructor's consent.

Description:

Basic skills and concepts of computer programming in an object-oriented approach using Java. Classes, methods and argument passing, control structures, iteration. Basic graphical user interface programming. Problem solving, class discovery and stepwise refinement. Programming and documentation style. Weekly hands-on activity.

For the official catalog description, please visit the online catalog at http://info.sjsu.edu/web-dbgen /catalog/courses/CS046A.html

Course Learning Outcomes (CLO):

Upon successful completion of this course, students will be able to:

- Analyze and explain the behavior of programs involving the fundamental program constructs
- Write short programs that use the fundamental program constructs including standard conditional and iterative control structures
- Identify and correct syntax and logic errors in short programs
- Choose arrays or array lists for a given problem and write short programs that use arrays or array lists
- Design and implement a class based on attributes and behaviors of object

- Construct objects using a class and activate methods on them
- Write javadoc comments for classes and methods
- Write graphics program that draws simple shapes
- Use interfaces and inheritance to describe common behavior of classes and write programs that use that common behavior
- Use an integrated development environment and a debugger

Required Texts/Readings:

Textbook

1. Big Java 6e ENGAGE Custom Interactive Text By Cay S. Horstmann, ISBN: 9781119290223.
2. Videos from Intro to Programming in Java on Udacity.com at https://www.udacity.com. This is free.

Course Requirements and Assignments:

Exams
Two in-class exams (15% per exam) and a final exam (35%). Exams cannot be made up, except for reasons of illness, as certified by a doctor, or documentable extreme emergency.

Weekly Assignments
One assignments per week (30%). Assignments will be posted on Canvas every Sunday night at 12:00 am. The problems are mostly related to the topics which will be covered on that week lectures. You have time to look at the problems and try to get ready to solve them by attending the class and ask questions. All homeworks are due at 6:00 am on the next Monday (a week after).

Labs
You must enroll for a lab section and attend all labs. You will fail the course if you don't pass the lab section. You will fail the lab and the class if you miss more than 3 labs. Provided you get a passing grade in the labs, it counts as 5% of your total grade. Please do not use up your 3 allowed misses in the first few weeks of class on non-emergencies.

Grading Information:

• Weekly Assignments (30%)
• Lab reports (5%)
• Two Midterm Exams (30%) (15% per exam)
• Final Examination (35%)

Incomplete work: Points will be deducted for incomplete question responses and solutions that are partially functional. Consult individual assignment for details of point allocation for each problem.

Late assignments: You have two bonus days for late submission for the whole semester. After you used the two days, any late submission would cause a deduction of daily 20% of total points for the assignment. Please note, in the case of the bonus, even if you submit 1 hour late it would be counted as a one day.

Makeup Exams: You must submit only your own work on exams. Makeup exams will only be given in cases of illness (documented by a doctor) or in cases of documentable, extreme emergency.

Individual Work:

All homework and exams must be your own individual work. It is ok to have general discussions about homework assignments, or read other material for inspiration. You may never copy anything from anyone without attribution. This means if you find code on Stackoverflow or another web site, you need to give the URL where you found the code in a comment at the top of your class so that I can look at it if necessary. You may copy from the textbook, the labs, or anything we do in class without attribution. For homeworks and exams, you may not copy anything from any other student at all, and you may not collaboratively produce results in pairs or teams. Your work must be entirely your own. It is never okay to give your completed code to another student before the due date. A first incident of cheating will result in a 0 on that assignment or exam. A second incident will result in a failure for the class.

Point Range	Letter Grade
97.0-100	A+
93.0-96.99	A
90.0-92.99	A-
87.0-89.99	B+
82.0-86.99	B
80.0-81.99	B-
77.0-79.99	C+
72.0-76.99	C
70.0-71.99	C-
67.0-69.99	D+
62.0-66.99	D
60.0-61.99	D-
< 60	F

Classroom Protocol:

- Having laptop in the class is recommended. We may need them to do some codings.
- Try to be on-time. In case of being late, please take a seat quietly.
- Do not play games or catch Pokemons and leave your cell phone on the silent mode while in the class.

University Policies:

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/"

CS46A, Introduction to Java Programing Section 2, Fall 2017

The course schedule is subject to change with fair notice. Changes will be announced on Canvas.

Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
1	8/23	Introduction
2	8/28	1.3-1.6
2	8/30	1.7,2.1-2.2
3	9/04	Labor Day
3	9/06	2.3-2.4
4	9/11	2.5-2.8
4	9/13	3.1-3.3
5	9/18	3.4-3.7
5	9/20	4.1-4.2
6	9/25	4.3-4.5
6	9/27	5.1-5.3
7	10/02	5.4-5.8
7	10/04	Midterm 1
8	10/09	6.1-6.3
8	10/11	6.4-6.5
9	10/16	6.6-6.7
9	10/18	6.8-6.10
10	10/23	7.7-
10	10/25	7.7-
11	10/30	7.1-7.5
11	11/01	7.6&7.8

12	11/06	8.4-8.6
12	11/08	8.1-8.3
13	11/13	Midterm 2
13	11/15	10.1-10.2
14	11/20	10.3-
14	11/22	9.1-9.3
15	11/27	9.4
15	11/29	Advanced topics/Review
16	12/04	Advanced topics/Review
Final Exam	12/13	12:15-14:30