Introduction to Programming
CS 46A

Fall 2025   Section 01   In Person   4 Unit(s)   08/20/2025 to 12/08/2025   Modified 08/22/2025

👤 Contact Information

Instructor(s):	Dr. Chung-Wen (Albert) Tsao
Office Location:	Duncan Hall 251
Telephone:	N/A
Email:	chung-wen.tsao@sjsu.edu (Once the class starts, use Canvas Inbox)
Class Days/Time:	Section 01: MoWe 3:00PM - 4:15PM Section 02: Tu/Th 7:30AM - 8:45AM
Classroom:	Section 01: Sweeney Hall 100 Section 02: Duncan Hall 416
Office Hours:	T/R 11:00-12:00PM at DH215 or on ZOOM at https://sjsu.zoom.us/j/84379655115 (https://sjsu.zoom.us/j/84379655115) Additional office hours are available by request

🖥 Course Description and Requisites

Introduction to programming for anyone new to the field or who needs a refresher with basic Java programming syntax, object-oriented paradigm, control structures, iteration, etc. Hands-on activities in writing, compiling, executing, and debugging programs for solving real-world problems.

Lecture 3 hours/lab 3 hours.

Prerequisite(s): Math Enrollment Category M-I, M-II, or M-III, or MATH 1 with a grade of "C-" or better; and a major of Computer Science, Applied and Computational Math, Software Engineering, Forensic Science: Digital Evidence, or Undeclared; or instructor consent.

Letter Graded

✳ Classroom Protocols

- Students may be dropped from the class by the instructor for either one of the following reasons:
    - absence for 1st day of class without informing you before 2nd day of class
    - lack of prerequisites.
- Do not ask for special treatment. The rules for this course apply to everyone equally.
- Cheating will not be tolerable; a ZERO will be given to any cheated assignment/exams, and it will be reported to the Department and the University.
- Do NOT share/post online any course materials, PPT slides, or homework solutions.
- Use of electronic devices during exams is NOT allowed unless stated otherwise.
- You are required to check Canvas for reading/assignments.
- The information on this syllabus is subject to change; changes, if any, will be clearly explained in class, and it is your responsibility to become aware of them.
- Once the class starts, use Canvas Inbox to email me for a faster response. I check the Canvas Inbox emails much more often than my school emails.

Attendance

University policy F69-24 at http://www.sjsu.edu/senate/docs/F69-24.pdf states that students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class.

Consent for Recording of Class and Public Sharing of Instructor Material:

University Policy S12-7, http://www.sjsu.edu/senate/docs/S12-7.pdf, requires students to obtain instructor's permission to record the course: Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material. Course material cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor's consent.

▦ Program Information

Diversity Statement - At SJSU, it is important to create a safe learning environment where we can explore, learn, and grow together. We strive to build a diverse, equitable, inclusive culture that values, encourages, and supports students from all backgrounds and experiences.

📊 Course Learning Outcomes (CLOs)

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📘 Course Materials

In this course, we will use the following textbook:

Java Early Objects available through ZyBooks

In particular, we will use the ZyBook version of this text. To access this text, use the following instructions:

- Click any zyBooks assignment link in your learning management system
  - (Do NOT go to the zyBooks website and create a new account)
- Subscribe

Optional Text Book:

Big Java - Early Objects
Author: Cay S. Horstmann Publisher: Wiley
Edition: 7th Edition

📝 Course Requirements and Assignments

The course is delivered in person.

- All students are required to have access to a wireless laptop (running OSX, Windows, or some version ofUNIX), with a camera and microphone, upon which you can install the required software.
  - You will need it for all classes, labs, and exams.

- The technology used will include Canvas, programming in Java, and an IDE (Integrated Development Environment)

Lab:

- The lab projects are an opportunity to put the concepts learned in lecture into practice and to improve students' Java programming.
- Most Fridays, there will be a lab.
- Lab projects will be posted before the lab and are due by 11:59PM the day after the lab (Saturday).
- Usually students will finish during the allotted time.
- Lab projects will be completed in pairs.
- if you miss or submit inadequate lab work more than twice you will fail the course.
    - If you missed or submitted inadequate lab work two times, you must schedule a meeting with the instructor.
- To receive credit for the lab, your group will participate in a short exit interview addressing questions from both the lab and the quiz with the lab instructor or learning assistant.

- If you cannot attend the lab due to illness, please notify both the lab instructor and me before your lab section begins to make alternate arrangements.
    - To make up for a missed lab, you must contact your lab instructor to complete the exit interview during their office hours to get the points for the missing lab.
    - Note that the make-up for a missed lab will still counts as a missed lab and you fail the course for 3 or more missed labs.

Midterm Exams:

- Midterms will only be given during class time.
- Makeup midterm exams will only be given in cases of verifiable emergency.
- Midterm exam dates in this syllabus are approximate and are subject to change.

Final Exam:

- The final exam will be cumulative.
- Makeup exams are only given
    - if there is a verifiable emergency or illness
    - if a student has more than two final exams within a 24 hour period and notifies the instructor 2 weeks before the last class meeting.

Quizzes:

- There will be weekly quizzes throughout the semester.

- The quizzes are designed to help students stay on top of the material and illustrate areas of confusion for both students and the instructor

Technology:

- Students are required to have an electronic device (laptop, desktop or tablet) with a camera and built-in microphone.
- If you do not have access to an electronic device, SJSU has a free equipment loan program available for students (link).
- You will need a reliable WIFI connection to attend class.
- If you run into issues with technology or WIFI, please reach out to the instructor.

✔ Grading Information

- Final grades will not be adjusted in any way - so an 89.99% is still a B+.
- No incomplete grades will be given.
- No late submission of assignments will be accepted except for the verified emergency such as doctor's notes or family death certificates.

100% - 97.00%	A+
96.99% - 94.00%	A
93.99% - 90.00%	A-
89.99% - 87.00%	B+
86.99% - 84.00%	B
83.99% - 80.00%	B-
79.99% - 77.00%	C+
76.99% - 74.00%	C
73.99% - 70.00%	C-
69.99% - 67.00%	D+
66.99% - 64.00%	D

63.99% - 60.00%	D-
below 60.00%	F

Breakdown

- Quizzes (5%)
- zyBook HW (10%)
- Lab work (15%)
- Participant Excercise (15%)
- Homework (15%)
- Exam 1 (15%)
- Exam 2 (15%)
- Final (20%)

🏛 University Policies

Per [University Policy S16-9 (PDF) (http://www.sjsu.edu/senate/docs/S16-9.pdf)](http://www.sjsu.edu/senate/docs/S16-9.pdf), relevant university policy concerning all courses, such as student responsibilities, academic integrity, accommodations, dropping and adding, consent for recording of class, etc. and available student services (e.g. learning assistance, counseling, and other resources) are listed on the [Syllabus Information (https://www.sjsu.edu/curriculum/courses/syllabus-info.php)](https://www.sjsu.edu/curriculum/courses/syllabus-info.php) web page. Make sure to visit this page to review and be aware of these university policies and resources.

📅 Course Schedule

Main section – Mondays & Wednesdays			HW	Lab section - Fridays	
Week	Date	Topics		Date	Lab activity
W0	8/20 & 8/21	Introduction	HW0	8/24	
W1	8/25 - 8/29	Our first Java Program, Class and Object	HW1	8/29	01.lab
W2	(9/1) - 9/4	(Labor Day) Variable, Object and Method	HW2	9/5	02.lab
W3	9/8 - 9/11	String and Graphics,Implementating Classes	HW3	9/12	03.lab

W4	9/15 - 9/18	Class and Method, Numbers, Arithmetic, and I/O	HW4	9/19	04.lab
W5	9/22 - 9/25	Strings and IO,If Statements and logical operators	HW5	9/26	05.lab
W6	9/29 - 10/2	Nested If Statements,While Loop, For Loop	HW6	10/3	06.lab
w7	10/6 - 10/9	Review, Exam 1	HW7	10/10	Lab Exam1
W8	10/13 - 10/16	Do Loops,Nezted Loops	HW8	10/17	07.lab
W9	10/20 - 10/23	String and Random,ArrayList & Nested Loops	HW9	10/24	08.lab.spiral.loop
W10	10/27 - 10/30	ArrayLists, Arrays	HW10	10/31	10.lab.nested.string
W11	11/3 - 11/6	2D Arrays, Designing Classes	HW11	11/7	11.lab.arrayList
W12	11/10 - 11/13	Static Variables & Methods	HW12	11/14	12.lab.2d.array
W13	11/17 - 11/20	Packages & Unit Tests,Inheritance	HW13	11/21	13.lab.debug
W14	11/24 - (11/27)	Polymorphism and Abstraction (Thanksgivings)	HW14	11/28	(Thanksgivings)
W15	12/1 - 12/4	Interface, Exam 2	HW15	12/5	Lab Exam2
W16	8-Dec	Final Review			
Final Exam		Section 1: Friday, December 12, 3:15-5:15 PM Section 2: Tuesday, December 16 8:30-10:30 AM			

Calendar: https://www.sjsu.edu/provost/docs/AY%20Calendar%202025-26_Final%20Draft.pdf

Final Exam Schedule: https://www.sjsu.edu/classes/final-exam-schedule/fall-2025.php