

7. Write Javadoc comments for classes and methods
8. Write graphics program that draws simple shapes
9. Use interfaces and inheritance to describe common behavior of classes and write programs that use that common behavior
10. Use an integrated development environment and a debugger

Online Class Regulations

1. CS 46A is online and synchronous for spring 2021
2. Be respectful and friendly to others
3. Do not discuss other things in Zoom Chat
4. The lectures will be recorded and posted in Canvas
5. All participants will be muted during Zoom lectures when needed
6. You can request to be unmuted if you have a quiet space during the lecture and want to ask questions directly
7. Use Zoom Chat to ask questions during lectures and exams
8. Cameras are required for exams

Textbook

Big Java: Early Objects By Cay S. Horstmann, 7/e, 2019, Wiley

Required: E-Book with Self-Check Quizzes

[VitalSource \(Lifetime version\)](#)

[Wiley](#) (Rentals will not work)

[University Bookstore](#) (need to buy new, E-Book only or E-Book plus Print)

You must use the link inside Canvas (LMS) to login to VitalSource

Self-Check Quizzes (4%)

These are based on the assigned reading for the class.

The lowest three scores will be dropped.

In-Class Clicker Quizzes (2%)

There will be some "clicker" quizzes

Course Mechanics

Flipped Classroom

Pre-class work: Reading textbook and self-check quizzes

Lectures: Participation exercises for about 30 minutes

Laptops

You will need a laptop/desktop with internet access (running OSX, Windows, or some version of UNIX) to all classes, labs, and exams

Codecheck and Canvas submission

You will use Codecheck to test your programs and generate reports for exams, homework, and participation exercises

You will submit all reports from Codecheck together to Canvas to receive the credit

Notice that passing Codecheck tests does not guarantee your programs are correct. You must follow the instructions.

Online Discussion Board (Piazza or Canvas)

You can ask and answer questions online

Online discussion board is not a tutoring tool and you must not show your entire program then ask for help.

You can show at most five (5) lines of code. Otherwise, you may lose points on the assignment

Additional Information

Free Tutoring

There will be free tutoring available starting in the third week of school.

Supplemental Instructions

Supplemental Instruction is an academic assistance program which provides peer-led group study sessions to assist students in traditionally difficult courses. The sessions are led by SI leaders who have already mastered the course material and have been trained to facilitate group sessions where students can meet to improve their understanding of course material, review and discuss important concepts, develop study strategies, and prepare for exams. SI is for everyone, and open to all students enrolled in this class. Attendance at SI sessions is free and voluntary. You do not earn any points for attending SI sessions.

SI study sessions meeting times will be determined by taking a poll of interested students and finding the most convenient time. The location will be determined once the time has been set.

Note that these sessions are **not** tutorial sessions for doing homework. They are sessions to help you understand the material. Please do not ask the SI leaders how to do a homework problem. But if the homework requires a loop, it would be an excellent idea to ask them how to write a loop.

In-Class Assistants

There will be two In-Class Assistants to help you do programming assignments during each class. All In-Class Assistants have already mastered the course material. The SI leaders will also attend each class. They come to our class to help you with the programming assignments.

Video (optional)

- [Udacity Videos for *Intro to Programming in Java*](#)

Individual Work

All homework and participation exercises must be *your own individual work*. It is OK to have general discussions about homework assignments or read other material for inspiration. You may copy from the textbook, the labs, or anything we do in class. But you may not copy anything from 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 grace time.**

For exams, you must complete the work by yourself without help from others, within the specified periods of time.

A first incident of cheating will result in a 0 for all involved students. A second incident will result in an F for the class for all students involved.

BSCS Program Outcomes supported by this course

- (a) An ability to apply knowledge of computing and mathematics to solve problems
- (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
- (i) An ability to use current techniques, skills, and tools necessary for computing practice
- (j) An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade-offs involved in design choices

(k) An ability to apply design and development principles in the construction of software systems of varying complexity

Miscellaneous Policies

Publicly Viewable Work: Your class work (including homework, exam, and project work) may be viewable by other students of this course. Your grades will not be viewable by others.

Copyright of Materials: All materials created by the instructor for this course, including lectures, handouts, homework, exams, solutions, projects, and so on, are copyrighted property of the instructor. You may transcribe lectures or copy course materials for the use of yourself and other students registered in this course. You may not sell or give transcriptions of lectures or copies of course materials to others without the prior written consent of the instructor.

University Policies

University Policies: Office of Graduate and Undergraduate Programs **hosts university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc.**" You may find all syllabus related University Policies and resources information listed on GUP's [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>

Tentative Schedule for CS 46A

Tentative Exam Dates: March 16 and April 27

Final Exam: Thursday, May 20, 2021 12:15 - 14:30