CS 46B - Introduction to Data Structures, Section 01

San José State University

Spring 2021

About this

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Meeting ID: 879 2433 4599
Password: 962708

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CLASS FORMAT

Classes will be taught online via Zoom Video Call Conferencing. In class programming practice, quizzes, surveys, as well as topic presentation will be provided (not in any specific order). Assignments, quizzes, projects, and exams will be provided via Canvas. All classes will be recorded and recordings will be made available for reference.

CANVAS

Course materials, syllabus, assignments, grading criteria, exams, and other information will be posted on the Canvas Learning Management System (course login website at http://sjsu.instructure.com).

Exams and Assignments

QUIZZES

There will be a minimum of one quiz per week. Quizzes will be given on every Wednesday during class.

PROJECTS

There will be two projects (totalling 10%) that will be started during the middle of the semester where students will spend 2 to 3 weeks to complete it. Students will work on a scientific topic which will have students explore the various kinds of algorithms and techniques to apply to reading and writing specific scientific data.

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.

About Performing Individual Work

1. All homework and exams must be your own individual work.

2. It is okay to have general discussions about homework assignments (on the Canvas discussion board) or reading external material for your own learning consumption.

3. You may never copy anything from anyone without attribution. This means if you find code on i.e. "StackOverflow" or another web site, you need to give the URL as comment in your code and document where you found the code in a comment at the top of your class so that the professor can look at it if necessary. By all means, do not ever copy word for word and line for line. The code must be rewritten in your own style but you must give credit to where it belongs.

4. You may copy from the textbook, your lab material, or anything we do in class without attribution.

5. For homework and exams, you may not copy anything from any other student at all, and you may not collaboratively produce results in pairs or teams.

6. Your work must be entirely your own.

7. It is never okay to give your completed code to another student before the due date.

8. 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.

9. Any kind of cheating will be reported

TECHNOLOGY REQUIREMENTS

Students are required to have an electronic device (laptop, desktop or tablet) with a camera and built-in microphone. SJSU has a free equipment loan program available for students. Students are responsible for ensuring that they have access to reliable Wi-Fi during tests. If students are unable to have reliable Wi-Fi, they must inform the instructor, as soon as possible

CLASSROOM/ZOOM MEETING ETIQUETTE

It is very important for each student to attend classes and to participate. For all zoom meetings that you are invited to, all audio must be initially muted and laptop video camera must be started or enabled when joining any meeting.

Remember that you are joining a video meeting, and so there are a several important things to keep in mind:

Be on time to class

Always dress appropriately when joining any video conferencing meeting. Any complaints related to this must be brought to the instructor's attention and will then be addressed by the instructor and by school officials.

Mute Your Microphone: To help keep background noise to a minimum, make sure you mute your microphone when you are not speaking.

Be Mindful of Background Noise and Distractions: Find a quiet place to "attend" class, to the greatest extent possible.   Avoid video setups where people may be walking behind you, people talking/making noise, etc.   Avoid activities that could create additional noise, such as shuffling papers, listening to music in the background, etc.

Position Your Camera Properly: Be sure your webcam is in a stable position and focused at eye level.

Limit Your Distractions/Avoid Multitasking: You can make it easier to focus on the meeting by turning off notifications, closing or minimizing running apps, and putting your smartphone away (unless you are using it to access Zoom).

Use Appropriate Virtual Backgrounds: If using a virtual background, it should be appropriate and professional and should NOT suggest or include content that is objectively offensive or demeaning.

Do not screen capture or record video meetings (due to privacy and copyrights)

Do not share any passwords to Zoom meetings with other people who are not participating in the course

Unmute your audio if you have any questions, and mute when you are done.

Use of Camera in Class

PC or laptop cameras should initially be enabled once joining a meeting. If you have any special needs or requests for any accommodations on a case by case basis please inform the class lecturer.

Please consider the fact that students may be concerned about appearing on camera themselves, for disability-related or religious reasons, or concern for other family members, including children, who live with you in close quarters. The privacy of a student's home life and access to a room for privacy should not be a barrier to a student's success in a particular course.

CS46B – Introduction to Data Structures, Section 02 – Fall 2019

Notable Dates

Monday, February 8, 2021 .... Last Day to Drop Courses Without an Entry on Student's Permanent Record (D)

Monday - Friday .... March 29, 2021 - April 2, 2021 .... Spring Recess (*SPRING RECESS*)

GRADING INFORMATION

Grading Bracket

Percentage	LetterGrade
93.50 - 100%	A
89.50 - 93.49%	A-
86.50 - 89.49%	B+
82.50 - 86.49%	B
79.50 - 82.49%	B-
76.50 - 79.49%	C+
72.50 - 76.49%	C
69.50 - 72.49%	C-
66.50 - 69.49%	D+
62.50 - 66.49%	D
59.00 - 62.49%	D-
0 - 58.99%	F

Your final class grade will be weighted as follows:

Weekly Assignments (30%)
Lab reports (10%)
Projects (10%)
Participation (5%)
Quizzes (15%)
Two Midterm Exams (20% total; 10% per exam)
Final Examination (10%)

8	03/15/2021	Sorting & Searching
8	03/17/2021	Sorting & Searching
9	03/22/2021	Algorithm Complexity, Big O
9	03/24/2021	The Collection Framework
10	03/29/2021 - 04/02/2021	Spring Recess (break)
11	04/05/2021	The Collection Framework
11	04/07/2021	Review
12	04/12/2021	Midterm 2
12	04/14/2021	Hash Tables
13	04/19/2021	Trees
13	04/21/2021	Custom Collections
14	04/26/2021	Custom Collections continued
14	04/28/2021	Custom Collections continued
15	05/03/2021	Binary Search Trees
15	05/05/2021	Binary Search Trees