Introduction to Algorithms, 3rd Edition
Cormen, Leiserson, Rivest, and Stein
ISBN-10: 0262033844
ISBN-13: 978-0262033848
MIT Press, 2009

You can find errata (bug reports) for the book http://www.cs.dartmouth.edu/~thc/clrs-bugs/bugs-3e.php

This is one of the most universal books for learning about data structures and algorithms. I used it myself as an undergraduate and it's been one of the most useful books to have on hand (i.e., I have moved it across the country many times).

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. Learn Anywhere (link) has information about accessing WIFI. If you run into issues with technology or WIFI, please reach out to the instructor.

The lecture portion of the class will be recorded and posted on Canvas. Students will engage in small group work (in breakout rooms) supported by the instructor. These breakout rooms are not recorded.

Lecture: https://sjsu.zoom.us/j/83945488692?pwd=V0k5c2ZhRFo1dDltQ2xvN245Y1VBZz09

Office Hours: https://sjsu.zoom.us/j/87585495994?pwd=MlBZaHJ4ckwzTU9qazVpMkc2WFpYdz09

All course material will be posted on canvas including lectures slides, in class exercise, homework, quizzes, andMd

Students are expected to attend lectures and participate in small group exercises.

Most lectures will consist of an in class exercise where students will submit a canvas quiz. Submitting (not correctness of) these canvas quizzes will determine your participation grade. I reserve the right to increase a student's participation grade if they are particularly active answering questions on the discord server.

Grades will be posted to canvas.

    Quizzes (25%)
    Homework (30%)
    Grading Interviews (15%)
    Participation (5%)
    Project (5%)
    Final (20%)

These percentages are the highest possible percentages needed to receive the grade. I reserve the right to lower these percentages, but not increase them.

Per University Policy S12-7

Topics are subject to change.