San José State University
College of Science / Department of Computer Science
Data Structures and Algorithms, CS 146 S-6, Spring 2020

Course and Contact Information

Instructor:	Dr. Faramarz Mortezaie
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Office Hours:	T TH 7:30 AM – 8:00 AM classroom 337 Engineering Building
Class Days/Time:	MW 9:00 AM-10:15 AM
Classroom:	SCI 311
Prerequisites:	Math 30 Calculus
	Math 42 Discrete Mathematics
	CS 46B Introduction to Data Structures
	CS 49J Programming in Java (or equivalent knowledge of Java)

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on MySJSU Canvas. You are responsible for regularly checking with the email system through MySJSU at http://my.sjsu.edu to learn of any updates.

Course Description

Use advanced sorting techniques

Solve recurrence relations representing the running time of an algorithm designed using a divide-and-conquer strategy

Comprehend the basic concept of NP-completeness and realize that they may not be able to efficiently solve all problems they encounter in their careers

Comprehend algorithms designed using greedy, divide-and-conquer, and dynamic programming techniques

Required Texts/Readings

Textbook:

Grading Policy

<u>Make-Up Exam</u>

Make-up exams are possible only under exceptional circumstances.

<u>Grading</u>

    Homework, class work, participation* and project   20%

    Exam-1

Academic integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy S07-2 at http://www.sjsu.edu/senate/docs/S07-2.pdf requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sjsu.edu/studentconduct/.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at http://www.sjsu.edu/aec to establish a record of their disability.