San José State University
Computer Science Department

Course and Contact Information

Instructor(s): Aikaterini Potika

Office Location:

a. Randomized

b. Parallel

c. Approximation

2. CLO 2. Conduct an amortized analysis.

   CLO 3. Explain how above techniques are used in several applications, and describe what benefits they have within those applications

Required Texts/Readings

Textbook

No required textbook we will use chapters from various books:

1. Cormen, Leiserson, Rivest and Stein, Introduction to Algorithms, 3rd Edition
   MIT Press, 2009. You can find errata (bug reports) for the book http://www.cs.dartmouth.edu/~thc/clrs-bugs/bugs-3e.php.
2. Kleinberg and Tardos, Algorithm Design, First edition, Addison Wesley, 2005.
3. Dasgupta, Papadimitriou and Vazirani, Algorithms, McGraw-Hill, 2006.

Midterm exams: Two written Midterm exams during the semester.

Final Examination or Evaluation

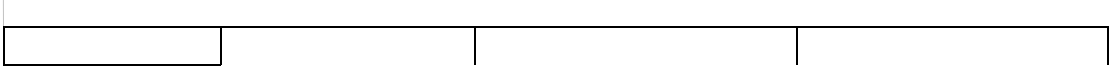
One final, written, and cumulative exam, split in two parts. The exams contain multiple-choice questions, short answer questions and questions that require pseudocode and/or computations.

Grading Information

No extra point options (only the final exam offers extra points option).
All exams are closed book, and final exam is comprehensive. No make-ups exams except in case of verifiable emergency circumstances.

Determination of Grades

Final Grade:
25% Project (programming and presentation)
5% Quizzes
10% Homework
30% Midterms (15% each)
30% Final



CS255: Design and Analysis of Algorithms, Spring 2020

The schedule is subject to change with fair notice and announced on Canvas.

Course Schedule

Lesson	Date	Topic	Assignments