CS 3112
Analysis of Algorithms

Fall 2019
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Cal State LA
Introduction

- Jung Soo (Sue) Lim
- Call me Soo.
- If that’s too informal for you, you can call me “Instructor”

- jlim34@calstatela.edu

Office hours
1. Mon / Wed: 9:00 AM – 10:30 AM at E&T A310
2. Tue: 10:00 AM – 12:00 PM at E&T A310
3. Thu: 9:00 – 11:00 AM at E&T A310
4. By appointment
CS 3112

• **CS 3112: Analysis of Algorithm** is a required course in CS major.

• During the lab, you will implement the algorithms learned in the class, solve rigorous problems, and design new algorithms based on the algorithms/data structures that you learned in class.
Course Web Page

- [https://csns.calstatela.edu/site/f19/cs3112-1](https://csns.calstatela.edu/site/f19/cs3112-1)
- Course schedule and syllabus
- Lecture notes
- Assignments
- Sample code
Grading

- Grading: A, B, C, (with + and -), NC.

- Grading Policy
  - Quizzes: 20%
  - Midterms (two midterms): 40%
  - Final: 40%

- Grading scale
  - A-, A: 90 – 100
  - B-, B, B+: 80 – 89
  - C-, C, C+: 65 – 79
  - D, F: <65

- If you don’t get at least a C (undergraduate) or B (graduate), you get an “I” for incomplete.
Laboratory Assignments

- Each lab you
  - May have one or two programming assignment(s),
  - May required to solve rigorous problems,
  - May design new algorithms, which will re-enforce what you learned,
- During the lab, we may go over exercise questions in the text book or sample exams.
- Although your lab assignments will not be graded, all your lab assignments must be uploaded to CSNS.
- Your lab assignments will be reviewed.
Laboratory Assignments - 2

- Based on the quality of your work, extra credit of 20% will be added to your final grade.

- If you have not previously used CSNS, go to csns.calstatela.edu and login using your CIN as both username and password. Change your password. Let me know immediately if you have any difficulties with this.

- If you don’t have a logon to the school network, get one from the IT staff in the library right after this class.
Quizzes

- We will have a in-class quiz at the end of each class.
- Quizzes taken outside of classroom will not be accounted.
- Quizzes will consist of multiple choice, short answers, and one-paragraph writing questions.
- Quizzes will be closed-book and closed-note.
Exams

- Two midterm exams, one final exam
- Midterm exam and final exam are closed-book, closed-note, and closed-Internet.

**No make up exam!**
- No make up quiz!
- No make up midterm exams!
- No make up final exam!
Textbook

- Introduction to Algorithms 3rd addition
  by: Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein

- The textbook is absolutely required
Cheating

- Cheating will not be tolerated in any circumstance!
- You may not copy code from other students or allow anyone to copy your code.
- I will punish all students involved in copying equally, even if it’s obvious who copied from whom.
- You may not copy text from any source and use it as an answer to any problem in this class.
- You may refer to the published solutions to the textbook exercises. However, you should understand the solution in order to solve assignment questions and exam questions.
- Although the questions in the exams are similar to textbook exercises, they are not exactly same.
- **Thus, you will have to understand the algorithm to solve the questions!**