👤 Contact Information

Instructor(s):	Dr. Chung-Wen (Albert) Tsao
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✳ Classroom Protocols

- Instructor may drop students (by the Instructor Drop Deadline) who
  - are absent for 1st day of class without informing you before 2nd day of class, or
  - have no proof of the prerequisite fulfillments.
- Do NOT share/post online any course materials, PPT slides, or homework solutions.
- Use of electronic devices during exams is NOT allowed unless stated otherwise.
- You are required to check Canvas for reading/assignments.
- The information on this syllabus is subject to change; changes, if any, will be clearly explained in class, and it is your responsibility to become aware of them.
- Once the class starts, use Canvas Inbox to email me for a faster response. I check the Canvas Inbox emails much more often than my school emails.

Class Format

- Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on Canvas at http://sjsu.instructure.com.
- You are responsible for regularly checking the most updated messages and uploaded materials there.

▦ Program Information

Diversity Statement - At SJSU, it is important to create a safe learning environment where we can explore, learn, and grow together. We strive to build a diverse, equitable, inclusive culture that values, encourages, and supports students from all backgrounds and experiences.

◎ Course Goals

Introduction to the basic concepts of computer hardware structure and design, including processors and arithmetic logic units, pipelining, and memory hierarchy.

▊ Course Learning Outcomes (CLOs)

Upon successful completion of this course, students will be able to:

- Understand the role of each major hardware component of a computer system and their synergistic interaction with each other and software.
- Analyze and perform tradeoffs between the cost, performance, and reliability of alternative computer architectures.
- Understand, analyze, and design digital logic structures for the basic combinational and sequential circuits.
- Understand the alternative binary internal representation of information (such as sign-magnitude, one's complement, two's complement, and floating point) along with their optimizations and tradeoffs.

- If there are multiple similar submissions not exhibiting independent thought, or with words obviously lifted from a book or website, ALL such submissions will receive scores of 0.

LockDown Browser + Webcam Requirement:

This course requires the use of LockDown Browser and a webcam for online quizzes. The webcam can be the type that's built into your computer or one that plugs in with a USB cable. Watch this brief video to get a basic understanding of LockDown browser and the webcam feature. Download and install LockDown browser from here.

Pop Quizzes:

- Pop quizzes locked with passcode may be given anytime during class.
- They are usually explained in class and most of them will be due on the end of the class.
- The purpose of pop quizzes is to encourage you to and reinforce the concepts we learned in lectures.

Midterm and Final Examinations:

There will be two midterm examinations, and a cumulative final exam.

- All the students need to attend synchronously.
- No make-up exams for anyone except for the verified emergency with the official documents.
- Use of electronic devices during exams is NOT allowed unless stated otherwise.
- All exams may include quizzes (closed book) or written test (open book) or both.
- All exams will remain with the instructor.

✔ Grading Information

1. Final grades will not be adjusted in any way - so an 89.99% is still a B+.
2. No incomplete grades will be given.
3. Do not ask for special treatment. The rules for this course apply to everyone equally.
4. Cheating will not be tolerable; a ZERO will be given to any cheated assignment/exams, and it will be reported to the Department and the University.

Note that "All students have the right, within a reasonable time, to know their academic scores, to review their grade- dependent work, and to be provided with explanations for the determination of their course grades."

See University Policy F13-1 at http://www.sjsu.edu/senate/docs/F13-1.pdf for more details.

- Project 30%
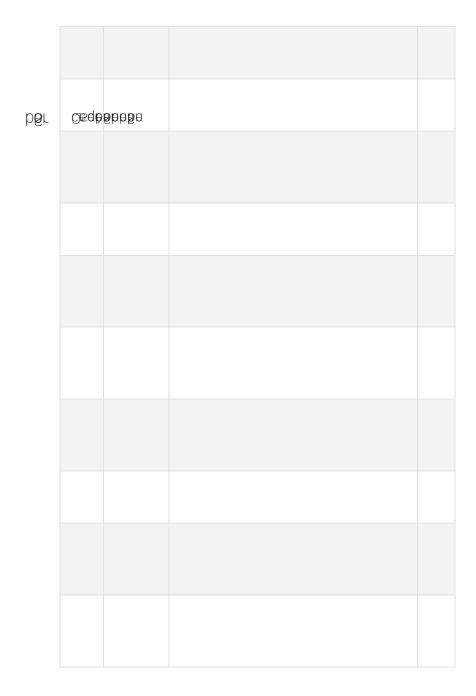- Midterm 1 15%
- Midterm 2 15%
- Final Exam 15%

Criteria

The grading scale is as follows:

100% - 97.00%	A+
96.99% - 94.00%	A
93.99% - 90.00%	A-
89.99% - 87.00%	B+
86.99% - 84.00%	B
83.99% - 80.00%	B-
79.99% - 77.00%	C+
76.99% - 74.00%	C
73.99% - 70.00%	C-
69.99% - 67.00%	D+
66.99% - 64.00%	D
63.99% - 60.00%	D-
below 60.00%	F

🏛 University Policies

Mon-Fri, March 31 - April	