

UNIVERSITY OF CALIFORNIA IRVINE

EECS 112: Organization of Digital Computers

(Spring 2022)

Course Website:

<https://canvas.eee.uci.edu/courses/46156>

Instructor

- Sitao Huang (sitaoh@uci.edu)
- Office Hours: EH 3215, Mondays 9:00-10:00 AM or by appointment

Teaching Assistant

- Mozghan Moradiganjeh (mmoradig@uci.edu)
- Office Hours: [online](#), Thursdays 12:00-1:00 PM or by appointment

Lectures and Discussion Sessions

- Lecture: Mondays, Wednesdays, and Fridays 4:00-4:50 PM, [EH 1200](#)
- Discussion Sessions: 50 minutes per week, check Canvas for the latest information

Textbook

Computer Organization and Design RISC-V Edition: The Hardware Software Interface (2nd Edition)
David Patterson and John Hennessy, Morgan Kaufmann Publishers, 2020.

Prerequisites

EECS 31L or equivalent courses

Grading Policy

- Assignments: 30%
- Midterm: 30%
- Final: 40%

Assignment late submissions: 15% off/day, no more than three days late.

Topics

- Assembly Programming
- Computer Arithmetics
- Processor Design
- Memory Systems
- Storage Devices
- Multicores
- GPUs

NOTE: Please check [Canvas](#) for the latest announcements