

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

**Teaching Assistant**

- Mozhgan Moradiganjeh ([mmoradig@uci.edu](mailto: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