This course covers the following topics:

- Introductory architecture
- Binary representations
- Machine instructions
- Instruction cycles
- Assembly programming
- Memory management
- The runtime stack
- Introductory C programming

Instructor: Christopher Siu, cesiu@calpoly.edu

Lectures:
- Section 01: TR, 9:40pm–11:00am, Engineering East (020–128)
- Section 03: TR, 1:40pm–3:00pm, Engineering West (021–237)
- Section 05: TR, 4:40pm–6:00pm, Engineering East (020–140)

Labs:
- Section 02: TR, 12:10pm–1:30pm, Computer Science (014–302)
- Section 04: TR, 3:10pm–4:30pm, Computer Science (014–302)
- Section 06: TR, 6:10pm–7:30pm, Computer Science (014–302)

Office Hours: MWF, 8:10am–12:00pm, TR, 8:10am–9:30am, Computer Science (014–238G)

Course Website: You will find all course information on Canvas.

This syllabus is at https://users.csc.calpoly.edu/~cesiu/csc225/syllabus.pdf

Supplementary Texts:

Grade Breakdown:
You must average at least 50% credit over all assignments in order to receive a grade of ‘C’ or better.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments (8)</td>
<td>40%</td>
<td>A 92%</td>
</tr>
<tr>
<td>Midterm Exams (2)</td>
<td>26%</td>
<td>B 82%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>34%</td>
<td>C 72%</td>
</tr>
<tr>
<td></td>
<td>each 5%</td>
<td>D 60%</td>
</tr>
<tr>
<td></td>
<td>each 13%</td>
<td>F below 60%</td>
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</tbody>
</table>

-plus and -minus grades at 2% offsets.
Rounding done on a case-by-case basis.

Assignments:
Programming assignments will consist of short- or moderate-length programs which must be completed individually. The source code of your solution must be submitted electronically via GitHub Classroom for automated grading by the end of the day the assignment is due.

On the day an assignment is due, your submission will be automatically graded eight times:

- 3:00am, 6:00am, 9:00am, 12:00 noon, 3:00pm, 6:00pm, 9:00pm, and 12:00 midnight

Programming assignments may be submitted up to one class day late for up to 70% credit.
Important Dates:
- Midterm I: Thursday, January 30th (in the first hour of lecture)
- Midterm II: Thursday, February 27th (in the first hour of lecture)
- Common Final Exam: Monday, March 16th, 7:10pm–10:00pm, online
- No Class:
  - Tuesday, January 20th

Whom to Contact:
Contact your fellow students if you have missed class and want to know what was covered; I will not reiterate lectures if you miss class. Contact me with all other questions, including any questions about grading.

Students with Disabilities:
If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Disability Resource Center, Building 124, Room 119, at (805) 756–1395, as early as possible in the term.

Classroom Etiquette:
You are free to use computers, tablets, phones, or other electronic devices in the classroom, except during quizzes and exams. However, out of respect for your classmates, please silence your devices and consider sitting in the back. If I feel that you are distracting your classmates, I may ask you to put away your device(s).


Attendance:
Attendance is always expected but only required on days when a quiz is given or an assignment is due.

Academic Integrity:
The university does not condone academic cheating or plagiarism in any form. Students are expected to behave in accordance with the university’s expectations. I encourage you to collaborate in your homework assignments; however, exams and all components of programming assignments must be solitary efforts. Collaboration includes but is not limited to:

- Copying even a single line of another student’s code or of code found online
- Reading, writing, or discussing any part of another student’s code
- Transferring, publishing, or otherwise distributing your code to other students

Cheating requires, at minimum, a grade of ‘F’ given for the assignment, exam, or task.

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1 Portions of this course adapted from material by Julie Workman and Paul Hatalsky.
2 I reserve the right to review your submitted code manually and adjust your automated grade accordingly.