This course covers the following topics:

- Propositional and predicate logic
- Proof techniques
- Sets, functions, and their operations
- Sequences and sums
- Introduction to combinatorics
- Relations, classification of relations
- Complexity of algorithms (asymptotic notation)
- Recursive algorithms
- Trees
- Graphs

**Instructor:** Christopher Siu, cesiu@calpoly.edu
**Class Meetings:** TR, 4:40pm–6:30pm, Arch. & Envr. Design (005–104)
**Office Hours:** MWF, 3:10pm–4:00pm, Computer Science (014–240)
**Course Website:** You will find all course information on PolyLearn.
   This syllabus is at users.csc.calpoly.edu/~cesiu/csc348/syllabus.pdf

**Recommended Textbook:**

**Grade Breakdown:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework (2)</td>
<td>5%</td>
</tr>
<tr>
<td>each 2 1/3%</td>
<td></td>
</tr>
<tr>
<td>Quizzes (9)</td>
<td>40%</td>
</tr>
<tr>
<td>each (1 dropped)</td>
<td>5%</td>
</tr>
<tr>
<td>Midterm</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
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</tbody>
</table>

A 93%
B 83%
C 73%
D 60%
F below 60%

-plus and -minus grades given on a case-by-case basis

**Homework:**
You will be given homework (from the textbook) due in-class at the beginning of class before each exam. Your homework will be graded only for effort and completion, not for correctness. **There will be no late homework accepted.**

**Quizzes:**
There will be a quiz given at the beginning of class each Thursday, beginning with the first full week of instruction, except when there is a midterm given. Quiz problems will be taken directly from the homework — if you attend lecture and complete the homework, you can expect to do well on the quizzes. **There will be no make-up quizzes.** Your lowest quiz score will be dropped.
Important Dates:

- Midterm: Thursday, October 26th (in class)
- Final Exam: Thursday, December 7th, 7:10pm–10:00pm
- No Class:
  - Tuesday, November 21st
  - Thursday, November 23rd

Who 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 all 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 move to the back or put away your device(s).

If your phone goes off in class, then you must bring cookies for the entire class to the next lecture.¹

学术文献:


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

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 quizzes must be solitary efforts.

¹Portions of this course adapted from material by Dr. Theresa Migler-VonDollen, Paul Hatalsky, and Julie Workman.