This course covers the following topics:

- Propositional and predicate logic
- Proof techniques
- Sets, relations, and functions
- Sequences and summations
- Recursive definitions
- Introductory algorithm analysis
- Introductory combinatorics
- Graphs and trees

Instructor: Christopher Siu, cesiu@calpoly.edu

Lectures:
- Section 01: MW, 8:10am–10:00am (https://calpoly.zoom.us/j/95533643705)
- Section 03: MW, 2:10pm–4:00pm (https://calpoly.zoom.us/j/95096102156)
- Section 04: MW, 4:10pm–6:00pm (https://calpoly.zoom.us/j/94066208449)

Office Hours: MWF, 12:10pm–2:00pm (https://calpoly.zoom.us/j/258970619)

Course Website: You will find all course information on Canvas. This syllabus is at https://users.csc.calpoly.edu/~cesiu/csc348/syllabus.pdf

Supplementary Texts:

Grade Breakdown:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework (2)</td>
<td>2%</td>
</tr>
<tr>
<td>each</td>
<td>1%</td>
</tr>
<tr>
<td>Quizzes (8)</td>
<td>35%</td>
</tr>
<tr>
<td>each (1 dropped)</td>
<td>5%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>33%</td>
</tr>
<tr>
<td>A</td>
<td>92%</td>
</tr>
<tr>
<td>B</td>
<td>82%</td>
</tr>
<tr>
<td>C</td>
<td>72%</td>
</tr>
<tr>
<td>D</td>
<td>60%</td>
</tr>
<tr>
<td>F</td>
<td>below 60%</td>
</tr>
</tbody>
</table>

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

Homework:
You will be given homework from the textbook, due along with 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 take-home quiz given every Wednesday, beginning with the second full week of instruction, except when there is an exam given or an academic holiday. Quiz problems will be taken directly from the corresponding 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 Exam: Wednesday, October 21\textsuperscript{st} (in lecture)
- Common Final Exam: to be determined
- No Class or Office Hours:
  - Wednesday, November 11\textsuperscript{th}
  - Monday, November 23\textsuperscript{rd} – Friday, November 27\textsuperscript{th}

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 must have access to a computer, tablet, or phone in order to access online lectures, and you are free to use these and other electronic devices during live meetings. However, out of respect for your classmates, please keep your microphone muted during live meetings unless called upon.

\url{https://www.sciencedirect.com/science/article/pii/S0360131512002254}

Attendance:
Attendance is always expected but only required on days when a quiz or an 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. Cheating requires, at minimum, a grade of ‘F’ given for the assignment, exam, or task.

\[1\text{Portions of this course adapted from material by Dr. Theresa Migler, Dr. Ignatios Vakalis, and Paul Hatalsky.}\]
\[2\text{That is, an ‘A−’ requires a grade of at least 90\%; a ‘B+’, 88\%; and so forth.}\]