CSC 248: Discrete Structures

Instructor: Christopher Siu, cesiu@calpoly.edu

Lectures: Section 01: MW, 12:10pm–2:00pm, Engineering West (021–205)

Office Hours: MW, 11:10am–12:00pm, Computer Science (014–236)
F, 11:10am–1:00pm,
TR, 9:10am–11:00am, https://calpoly.zoom.us/my/cesiu

Course Website: https://canvas.calpoly.edu/courses/132520

Supplementary Texts
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

The following texts may be helpful, but are not required:


Grade Breakdown

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Homework (2)</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes (8)</td>
<td>35%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>25%</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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Each quiz 5%
Each (1 dropped) 5%

Homework will be assigned every week, and will be collected along with each exam. Homework will be graded only for effort and completion, not for correctness. There will be no late homework accepted.

Quizzes will be given in lecture every Thursday, beginning with the second full week of instruction, except when there is an exam given or an academic holiday. Quiz problems will be drawn directly from the corresponding homework — if you attend lecture and complete the homework, then you can expect to do well on the quizzes. There will be no make-up quizzes, and your lowest quiz score will be dropped.
Important Dates

- Midterm Exam: W, July 31st (in lecture)
- Final Exam: W, September 4th, 1:10pm–3:00pm
- No Class or Office Hours:
  - R, July 4th
  - M, July 8th

Attendance

Attendance is always expected, but it is only required on days when a quiz or exam is given. Contact your fellow students if you have missed a class and wish to know what was covered; unless previously arranged, I will not reiterate missed lectures.

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 devices.

Disability Accommodations

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.

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 on homework; however, quizzes and exams must be solitary efforts.

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

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