CSC 202: Data Structures

Instructor: Christopher Siu, cesiu@calpoly.edu

Lectures: Section 01: MWF, 10:10am–11:00am, Math and Science (038–225)

Labs: Section 02: MWF, 11:10am–12:00pm, Computer Science (014–302)

Office Hours: MWF, 12:10pm–2:00pm, Computer Science (014–236)

TR, 8:10am–1:00pm,

Course Website: All course information can be found on Canvas.
This syllabus is at https://users.csc.calpoly.edu/~cesiu/csc202/syllabus.pdf

Supplementary Texts

This course covers the following topics:

- Recursive definitions
- Abstract data types
- Lists, stacks, and queues
- Searching and sorting
- Priority queues
- Dictionaries
- Graphs and trees
- Introductory algorithm analysis

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


Grade Breakdown

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labs (10)</td>
<td>20%</td>
<td>A</td>
</tr>
<tr>
<td>Projects (5)</td>
<td>20%</td>
<td>B</td>
</tr>
<tr>
<td>Midterm Exams (2)</td>
<td>30%</td>
<td>C</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
<td>D</td>
</tr>
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Plus/minus grades will be given at 2% offsets. Rounding will be done on a strictly case-by-case basis.

Labs

Labs will consist of relatively small programming assignments which may be completed collaboratively. Each lab must be submitted via GitHub Classroom for automated grading by the end of the day it is due, and there will be no late labs accepted.

Projects

Projects will consist of relatively large programming assignments which must be completed individually. Each project must be submitted via GitHub Classroom for automated grading by the end of the day it is due, and may be (re)submitted one class day late for up to 85% credit or two class days late for up to 70% credit.
Important Dates

- Midterm I: F, July 15th (in lecture)
- Midterm II: F, August 12th (in lecture)
- Final Exam: F, September 2nd, 11:10am–1:00pm
- No Class or Office Hours:
  - M, July 4th

Attendance

Attendance is always expected, but it is only required on days when an 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.

COVID-19 Guidance

The university is committed to protecting the health and safety of the campus community. By participating in this course, you agree to abide by all campus safety protocols. For further details, see https://ctlt.calpoly.edu/covid-19-faculty-resources

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 labs; however, projects and exams 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 to all students involved.

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1 Portions of this course adapted from material by Dr. John Clements, Dr. Theresa Migler, and Paul Hatalsky.
2 That is, an ‘A−’ requires a grade of at least 90%; a ‘B+’, 88%; and so forth.
3 I reserve the right to review your submitted code manually and adjust your automated grade accordingly.