CSC 202: Data Structures

Instructor: Christopher Siu, cesiu@calpoly.edu

Lectures: Section 01: MWF, 9:10am–10:00am, Engineering West (021–205)

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

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/132961

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>Weight</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labs (10)</td>
<td>20%</td>
<td>A 92%</td>
</tr>
<tr>
<td>Projects (4)</td>
<td>20%</td>
<td>B 82%</td>
</tr>
<tr>
<td>Midterm Exams (2)</td>
<td>30%</td>
<td>C 72%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
<td>D 60%</td>
</tr>
</tbody>
</table>

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 90% credit, two class days late for up to 80% credit, or by the day of the final exam for up to 70% credit.
Important Dates

- Midterm I: F, July 19th (in lecture)
- Midterm II: F, August 16th (in lecture)
- Final Exam: W, September 4th, 9:10am–11:00am
- No Class or Office Hours:
  - R, July 4th
  - M, July 8th

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.

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.