CS 333 Programming Languages

Instructor: Ying Li
Davis 111
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Masking

- Required in class and my office through the entire semester
  - Reducing the chance of spreading the virus and minimize illness-related “downtime”
- I have two more dozens of masks. If you need one later in the semester, please let me know.
What do we do in CS333?

- Generally speaking, we do two things in CS333
  - Learn C language
  - Inspect the fundamentals of programming languages
    - Use C Lite (a lite version of C) to study the theoretical problems
    - Use C/Java/Python for the practical problems

- Ultimate goal: know how to learn a new programming language quickly and write more efficient programs
Coursework & Evaluation

✦ Weekly Projects: 45%

- Assigned usually on Wednesdays, and the usual deadline is the following Wednesday midnight (for weekly projects) or midnight of the second Wednesday after the project is assigned (for bi-weekly projects).

- Every project has two parts: C language part (individual work) and the selected language part (can collaborate with a partner from project 2)

- Late submission will receive a maximum score of 26/30.

- One four-day extension for you to use at your discretion over the semester (except the final project)

- Submit your source code and README file to filer.colby.edu and your report for selected languages on Google Sites

- The first project has been posted and is due on Feb. 15, 2023.

✦ Weekly homework assignments: 10%

- Assigned usually every Wednesday, and the deadline is Friday at the beginning of the class.

- Hard deadline. We discuss the solution in Friday's class, so late submission will not be accepted.

- Graded in a binary fashion: hand in a reasonable attempt before deadline, you get a 1, otherwise a 0.

- Email your homework to me with the subject in the format “CS333 Spring2023 HW# — Your Name” (e.g., CS333 Spring2023 HW1 -- Ying Li). If your subject format is correct, you will automatically receive the homework solution.

- The first homework assignment will be given next Wednesday after the lecture.
Coursework & Evaluation (cont.)

🔹 Bi-Weekly quizzes: 20%

  • ~10 minute quiz

  • 20 minutes to complete the quiz, usually before the end of every other Friday’s class

  • Each quiz may be made up when a prior request is made or there is a documented health issue. Please contact me immediately in the event of illness and other unforeseen circumstances, we will work out accommodations.

  • The lowest quiz grade will be dropped.

  • The first quiz will be given in the week 3.

🔹 Final Exam: 15%

  • Oral; finish it individually; no make-ups

  • Details will be given in the last class.
Coursework & Evaluation (cont.)

✧ Participation: 10%

• You are expected to *attend every lecture* and *actively join the class discussions*

• If you have to miss one or more lectures for any reason, please let me know in advance. I'm happy to work with you. You also need to arrange another time to read the lecture notes and finish coursework on time. You will not lose participation credits if you let me know beforehand.

• Lecture notes, homework assignments, and projects will be posted in the Notes Homework & Projects section of the course webpage few hours after the class.

• Feel free to *come to my office hours* or email me. I'm happy to help if you let me know your questions.

• Participation also includes *asking for help from the TAs*. 
How to Succeed

✦ **Projects:** Start working on the projects as early as possible. Ask TAs and me for help when you need. Talk with your peers about the course concepts.

✦ **Homework:** Homework assignments help you self-check your understanding of the course contents and prepare you better for the quizzes. You are strongly encouraged to try out the homework questions before reading my homework solutions.

✦ **Quizzes:** Study for the quizzes by doing the homework assignments. The lowest quiz grade will be dropped. So, your grade won't be affected by that single underperformed quiz.

✦ **Participation:** Be active in class, asking questions and joining discussions. Come to office hours. Ask Ying or TAs for help.

✦ **Final Exam:** Learn your selected language and C language well enough during the semester to feel comfortable talking about these languages. Start working on the exam early after it's assigned.
Help Outside of Class

✦ Ying's Office Hours:

• Tuesday, Thursday: 2:00 - 3:30 pm

• Wednesday: 1:00 - 3:00 pm

• or by appointment over Zoom

• Email: yingli@colby.edu

  › If you don't receive my response 24 hours after sending the email, please don't hesitate to "ping" me. Your email is important to me.

• TA Sessions

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<thead>
<tr>
<th>Date, Time</th>
<th>TA (email)</th>
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<tbody>
<tr>
<td>Tuesday, 7:00 - 10:00 pm</td>
<td>Carly Levinsohn (<a href="mailto:celevi24@colby.edu">celevi24@colby.edu</a>)</td>
</tr>
<tr>
<td>Wednesday, 7:00 - 10:00 pm</td>
<td>Samuel Munoz (<a href="mailto:smunoz23@colby.edu">smunoz23@colby.edu</a>)</td>
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All the information on these slides is available on the course webpage:
Go to: cs.colby.edu; Click: CS333 link

You can find all the course information, lecture notes, assignments, and more on the course webpage.