Prerequisite or concurrent enrollment: Math 1523 - Precalculus and Trigonometry

Keep up to date on D2L (https://learn.ou.edu/)! Change happens!!!
Materials

CodeLab
$25 semester registration required. Turing’s Craft CodeLab is an online system to automatically test programming assignments. We use it for short exercises only. Register at [http://tcgo1.com/](http://tcgo1.com/) using section access code OKLAHO-7077-7.

Textbook
C How to Program (6th Edition) by Deitel and Deitel, ISBN 0136123562. The textbook is optional. However, please be advised that most online resources for learning C are terrible. The book provides extra detail and a different perspective from your instructor and TAs. If you learn well by reading books, this book is a pretty good option, and we give you which sections to read for corresponding topics in the course.

Academic Misconduct

Unless otherwise specified, all work is to be done individually. This includes exams, quizzes, and other assignments. Any content copied or extensive techniques borrowed from any source other than the instructor or the TAs must be attributed. That is, you must say who and/or where you got it from. Using material without giving credit is plagiarism. Even if you give proper credit, copying content from other students or anyone else familiar with the details of the assignment (other than the instructor or TAs with explicit permission as indicated for particular assignments) is prohibited in this course. This means, for example, that tutors should not do your work for you. Neither should you ask for detailed assignment help in online forums. Also, keep track of your belongings so no one “steals” copies from you. These are just examples. **If you copy someone else’s work (other than from the instructor or TAs) on an individual assignment, or if you allow another student to copy your work, you will receive a zero grade for that assignment.**

We will use software tools for automatic detection of copied content at our discretion.

Egregious violations (throughout the semester, on the final exam, across multiple courses, …) may results in more serious consequences including expulsion from the university.

Academic misconduct charges and admonitions can be contested by students. See: [http://integrity.ou.edu/summary_of_the_process.html](http://integrity.ou.edu/summary_of_the_process.html)

Student Responsibility

You are responsible for completing assignments on time, for keeping sufficient backup copies of your work, for applying yourself to understand the material, for attending lecture and lab, and for being present at exams. If you have personal circumstances that require adjustment, especially for cases of disability, let us know, and we will accommodate you as appropriate and according to university policy.
Grades

Grades will be posted on D2L under the main lecture section (010). The overall breakdown is as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Projects</td>
<td>40%</td>
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<tr>
<td>Final</td>
<td>20%</td>
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<tr>
<td>Midterm</td>
<td>10%</td>
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<td>Quizzes</td>
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<td>Lab Attendance</td>
<td>6%</td>
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<td>Code Reviews</td>
<td>4%</td>
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<td>Unused Byes</td>
<td>2.5% extra credit</td>
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Letter grades are as common: ≥ 90% A, 80-89% B, 70-79% C, 60-69% D, < 60% F. This assumes grades are rounded down. That is, 89.99% is a B.

We reserve the right to curve grades up, but don’t bank on it. We plan to avoid it as much as possible.

Projects

Programming projects are due most weeks, on Wednesdays before midnight, starting January 26. Projects are submitted on D2L under your lab section! Each project description will be posted Thursday morning after the previous one is due. Turning in a project one day late results in a grade penalty of -20% (with a minimum still of 0% for each assignment). There is no credit for an assignment that is two or more days late.

Important! You also get 5 byes for the whole semester! Each erases one late day. You could, for example, use them all on one project and take your -20%, allowing you still to receive some credit for a project turned in on the Tuesday after it is due (six days late). Or you could turn in five projects one day late each, with no penalty at all. Don’t waste your byes! Unused byes count for 0.5% extra credit each at the end of the semester.

Projects are graded by TAs. We will have a grading rubric and course-wide policies to standardize the grading somewhat. However, just like for essays, the grading of computer programs is somewhat subjective. Your individual grader will have some influence on the exact grade you get. Make sure to listen to him (Shahriar) or her (Kim)!

In most cases, later projects build on earlier projects. If you don’t finish a project on time, Palmer will provide his own version of the project, and you can base your next project on that.

All projects are to be done individually! Talk to other students about the issues, but don’t let someone write your program for you. If you do, you’ll both get 0% for that assignment. See Academic Misconduct above.

Midterm and Final Exams

Exams will be handwritten including free form answers and programming exercises. The final exam will be comprehensive, as required by university policy. Plan to be present at the exams. Unless you have made previous arrangements, you will receive a 0% for a missed exam.
The exams are closed book, closed notes, and closed neighbor. You get a 0% on your exam for cheating. Cheating on the final exam may have even more serious consequences, as discussed earlier.

**CodeLab Exercises**

CodeLab assignments are due most weeks, on Fridays before midnight, starting January 21. Assignments are checked automatically. You can try each exercise as many times as you want. You get credit only for CodeLab exercises that you complete correctly, so get them right!

All CodeLab assignments are to be done individually! The same policies apply for CodeLab assignments as for programming projects.

**Quizzes**

Quizzes are due most weeks, on Tuesdays before midnight, starting January 25. They are taken online on D2L under the lecture section (010). They are multiple choice and graded automatically. You get the highest score of up to two attempts for each quiz.

All quizzes are to be done individually! You may use your textbook, notes, other books, and online resources. You may search the web for information to answer questions, but don’t ask anyone or anything (online or in person) for specific answers or help. For quizzes, this constitutes “copying someone else’s work” as discussed earlier under Academic Misconduct. That is, unlike projects and CodeLab exercises, the quizzes are entirely closed neighbor!

**Lab and Lecture Attendance**

Attendance at lab and lecture is required. Don’t expect to skip out and still have a clue what’s going on.

Your project grader runs your lab session. As mentioned earlier, you should listen to them and their advice and expectations.

Furthermore, lab attendance affects your grade. Sign in and sign out each time for full credit. One signature alone is worth just half credit. Be there on time to sign in. Stay until the end to sign out. You also get two free absences each semester, because emergencies happen. Still, it’s in your best interest not to miss out.

**Code Reviews**

The text of a computer program is called its “source code” or just “code” for short. Code reviews provide a chance to discuss what makes code good or bad. As discussed earlier, code quality is somewhat subjective. This does not mean, however, that no common consensus exists. For our code reviews, we will focus on matters that are more clearly defined and on standards expected for projects in this course.

Code reviews are the only group assignment in the course. Groups will be assigned. We will have four code reviews throughout the semester, during lecture time. They consist of true/false questions to be answered by the group. After submitting answer sheets, all groups share their answers, and we discuss the matter together.
The quiz before each code review will include the questions from the upcoming code review. Unlike normal quiz questions, you won't immediately see the grade for code review questions. Like other quizzes, these questions beforehand are to be done individually!

**Topic List**

Reading the given sections for each topic is recommended for improving your understanding and appreciation of the material. This might also have the side effect of improving your grade.

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<td>Structures</td>
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**Course Evaluations**

“The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its faculty members. The results of these forms are important data used in the process of awarding tenure, making promotions, and giving salary increases. In addition, the faculty uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions.”

**Closing Thoughts**

Programming is a blast! You get to make your own little world and see it do its thing. Programming also helps you sharpen your thinking skills. Vague thoughts don't do the job. You have to learn to think through exactly what needs done to solve a task. Enjoy the ride.