Textbook

**Required.** All of Programming. Hilton and Bracy. Edition 0.

Note that AoP is short for “All of Programming.”

Chapter 1–30, 34 and appendices A, B, and C are required reading. Chapters 31, 32, and 33 as well as appendix D are recommended optional reading.

The book’s website is [http://aop.cs.cornell.edu](http://aop.cs.cornell.edu). It contains compiler error message reference, and will contain practice problems (and some answers) soon.

Class Format

This course will use the “flipped classroom” model for most of the semester. In this model, your homework will to read and watch the videos in the assigned chapter(s) of AoP. Class time will be primarily spent working problems and practicing programming. If you do not complete in-class exercises during class time, you will be expected to complete them out of class within 1 week.

This course also has a recitation section (Fridays), which will primarily cover relevant skills (Linux, Make, etc) as well as provide opportunities to review and practice the material.

Assignments and Grading

Your grade for this course will be comprised of four components:

- In Class Exercises: 20%
- Mini-Project: 20%
- Midterm Exam: 25%
- Final Exam: 35%

Final letter grades are assigned based on the following scale (with slight modification as described below):

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;97 A+</td>
<td>A+</td>
</tr>
<tr>
<td>91–97 A</td>
<td>A</td>
</tr>
<tr>
<td>90–91 A-</td>
<td>A-</td>
</tr>
<tr>
<td>87–90 B+</td>
<td>B+</td>
</tr>
<tr>
<td>81–87 B</td>
<td>B</td>
</tr>
<tr>
<td>80–81 B-</td>
<td>B-</td>
</tr>
<tr>
<td>77–80 C+</td>
<td>C+</td>
</tr>
<tr>
<td>71–77 C</td>
<td>C</td>
</tr>
<tr>
<td>70–71 C-</td>
<td>C-</td>
</tr>
<tr>
<td>&lt;70 F</td>
<td>F</td>
</tr>
</tbody>
</table>
Before assigning letter grades, I may alter the scale by lowering the threshold for a certain grade (e.g., making a B- span 79.5–81 instead of 80–81). Such a change is solely at my discretion, and occurs when the change results in a letter grade more accurately reflecting the quality of the students work and effort.

In Class Exercises

Class time will be dedicated to in-class programming exercises. The expectation is that you will attend class regularly and complete these exercises in the classroom. During these exercises, I will answer questions that may arise, or help you get unstuck as needed. I will generally move around and answer individual questions, but may interrupt everyone to answer a commonly occurring question or clear up a common misconception.

While I expect you to generally finish these activities in class, I recognize that sometimes you must be absent for legitimate reasons, and that sometimes programming tasks take longer than expected. Each of these assignments will be due 1 week from the start of the class period in which it should have been completed. If that date is a holiday, then it will be due at the same time on the next day which class at Duke are in session.

Mini-Projects

During the last few weeks of class (11/9/2015–11/23/2015) you will work on a larger programming project instead of smaller classworks. This project will be individual effort. More details will be provided later.

Exams

You will have one mid-term exam (during recitation on Friday October 16th), and one final exam (during the scheduled final exam time slot). These exams will be individual effort, however, they will be open notes—you may bring any printed material you want, but may not use any electronic, interactive, or human resources.

The midterm exam will cover the material presented in Chapter 1–13, and Appendices A, B, and C of AoP.

Academic Integrity

Academic integrity is very important, and misconduct will not be tolerated in this course. All students should already be aware of a few basic principles which govern academic integrity at Duke in general:

- I will not lie, cheat, or steal in my academic endeavors, nor will I accept the actions of those who do.
- I will conduct myself responsibly and honorably in all my activities as a Duke student.
If I suspect academic misconduct in my class, I will report you to the appropriate Associate Dean, who will carry out the required due process to determine if you committed academic misconduct. If you are found responsible for academic misconduct, I will give you a 0 on the corresponding assignment. The Associate Dean overseeing your case is likely to impose additional sanctions against you.

Some concrete expectations for how you will perform your work in my class:

Classwork
Please feel free to work with your classmates on the exercises in this course. They are for you to learn, and we encourage you to do whatever it takes to learn the material. We note that looking at someone else’s solution is a poor way to learn the material, and thus discourage it.

Project
Your mini-projects will be done individually.
You may use outside resources for general information (C++ syntax, library function reference, etc), but should cite anything you use in your homework. The one exception to the citation requirement is that you may use the Unix man pages without citation. Note that this does not mean that you can download code and use it.

Exams
Exams are expected to be entirely individual effort. You may use printed resources ("open notes"), but may not use any electronic, interactive, or human resources. You must keep your eyes on your own paper.

Other
If you are unsure if something is OK, please ask me. If you do not want to ask me because you think I will probably say “no,” that is a good indicator that it is not acceptable.

If you do something wrong and regret it, please come forward. I recognize the value and learning benefit of admitting your mistakes. You should not take this to mean that coming forward of your own volition will absolve you of all consequences, just that it can be taken into account in reducing the sanctions.

If you are aware of someone else’s misconduct, please report it to me or another appropriate authority.