Syllabus for CS 1102, A term 2019

Accelerated Introduction to Program Design

Instructor: Joseph E. Beck

**Contact information**

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Professor office hours:

**Monday 10:00 – 11:00**

**Friday: noon – 1:00**

(or by appointment)

SA office hours: TBA (will be on Canvas page)

**Course materials**

**Videos:** Most days there are assigned video lectures. The content of that day’s videos is fair game for the classly quiz.

**Textbook:** How to Design Programs. An Introduction to Programming and Computing. Matthias Felleisen, Robert Bruce Findler, Matthew Flatt, Shriram Krishnamurthi.

The textbook is available for free online: http://www.ccs.neu.edu/home/matthias/HtDP2e/

You can also purchase a hard copy. The text is **not** required – but a few students prefer typed materials vs. video lectures.

**Programming environment:** DrRacket. Also available for free at <http://racket-lang.org/>

**Note:** no other programming environment is acceptable for this course as assignments involve packages specifically built for this environment. Furthermore, students must use the language specified in the assignment.

**Grading**

**Assignments: 50%**

There are 6 assignments due throughout the term and a warmup exercise. Unless contradicted by the assignment text, assignments must be submitted *before class begins* on the day it is due.

See <http://web.cs.wpi.edu/~cs1101/common/expectations.html> for a discussion of what is expected for assignments. Not following these expectations will result in a lower score.

Assignments will be done in pairs. Teammates will be randomly assigned each week in lab period.

Students will submit assignments via the course Canvas page.

**Quizzes and optional final exam: 50%**

There will be 26 classly quizzes, with the lowest 4 quiz scores dropped (i.e., top 22 scores retained). Each quiz will be a mix of questions from the assignment for that day, and material from the prior two classes. In addition, there will be a final exam which is worth 5 quizzes. If students take the exam, it will be added to the mix of quiz scores five times, and the top 22 scores will be retained. In other words, taking the final cannot hurt you, but might not help either.

You ***must*** have a passing score on both exams and assignments in order to get credit for the course. Passing is approximately 70% (it could be lower, but will not be higher).

The quizzes and Exam are closed-book and closed-notes. You may not use any computers, calculators, cell phones, headphones, or other electronic devices during the quizzes and exam.

**Lab practical: 0% -- but passing is required!**

During the final lab period you will be given an assignment to complete *during the lab period.* This assignment is done individually, and must be completed to pass the course. This lab will not be challenging, and should take 10 or 15 minutes for someone proficient with material at the halfway point of the course. The purpose of this lab is to ensure that all students are able to program. In the past, some students have gotten through 1101/1102 by having strong lab partners.

**Academic honesty**

Students should familiarize themselves with WPI’s academic honesty policy (<https://www.wpi.edu/sites/default/files/docs/Offices/Marketing-Communications/AIStudentguide2019-2020-pages.pdf/>). In general, discussing assignments while taking notes on paper or a whiteboard is ok. Having another student tell you what to type is not (excepting minor corrections such as syntax errors). If in doubt, please contact the instructor.