

CSI 202 — Computer Science II

Instructor: Dr. Shaun D. Ramsey

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Office Hours: MW 10:30am–11:20am, Tu 11:30-12:45pm or by appointment

Class meetings: GLDS 201 MWF 11:30AM-12:20AM

Text: *Data Structures and Problem Solving Using C++, 2nd Edition*, by Mark Allen Weiss

Overview: The purpose of this course is to dive further into problem solving using C++. In particular, we will be focusing on pointers, classes and other high level data structures used to solve complex computer programming problems.

Topics: We will cover pointers, algorithm analysis, STL, stacks, queues, and trees. We will also cover data abstraction, classes, inheritance and other elements related to C++ classes.

Advising: CSI 201 is a prerequisite of CSI 202. This is the second course in the major sequence and builds on the fundamental core of CSI 201.

Grading: Your grade consists of three exams, one final, homework, classwork, and oral presentations. You must pass each of these six sections to pass the course. Each exam is worth 15% of your final grade. The final exam is 20%. Homework contributes 15% of your final grade. Classwork comprises 10% of your grade in this course. Classwork will contain programs completed during class as well as weekly quizzes based on previous material and reading material. Oral presentations cover the last 10% of your grade. For programming assignments, credit is given only for programs which compile without errors, execute properly, and are not late. Late homework will not be accepted. Homework is due at the beginning of class on the assigned due date and in many cases is time stamped by the server we will be using.

Exams: The exams will be held on February 22nd, March 31st and April 28th. The final exam will be administered during its scheduled slot during final exam week. An absence on the day of an exam will result in a grade of a 0. Except in cases of extreme emergency, exams must be taken on the day the exam is administered. Before a make-up test is scheduled, documentation of the extreme emergency must be given. Make-up exams for tests missed due to an extreme emergency will be arranged for a time that is mutually convenient for the student and Dr. Ramsey.

Attendance: Attendance will be taken at the beginning of every class. After two weeks of missed absences you fail the course. You fail the course on your fifth absence in a TTh course and on your seventh absence in a MWF course. There is no distinction between excused and unexcused absences. I will likely email you if you miss a class, but it is ultimately your duty to keep track of your absences. Note that missing a class may also result in missed classwork. It is your responsibility to obtain assigned homework, announcements and class notes from that class. It is important that you attend every class. As a matter of courtesy, students are expected to inform Dr. Ramsey of the reason for any absence.

Academic Honesty: You are always subject to the Honor Code of Washington College. You may discuss concepts with others, but work is to be done on your own (unless otherwise designated). If you are unsure if something is considered *cheating*, simply ask. As always, if you have questions, feel free to email or stop by my office.

Accommodations: If you have a special accommodation/need that has been reported to the college, please let me know discretely as soon as possible, so that I can work to meet your accommodation.

Suggestions: To become a good programmer and problem solver, you must work on many problems. If you need help, please see me, peers or the math center for assistance. There are many resources, so there is no excuse for not using them.