

CSI 201 — Computer Science I, FALL 2005

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Office Hours: MW 9:30am–10:20am, Tu 11:30-12:45pm or by appointment

Class meetings: GLDS 202 TTH 10:00AM-11:15AM

Text: *Absolute C++, Second Edition*, by Walter Savitch

Overview: The purpose of this course is to teach you basic programming techniques and algorithmic problem solving methods. In particular, we will be focusing on the use of the C++ programming language. A core foundation is necessary to create complex, efficient and otherwise useful programs designed to solve specific needs and problems. Good algorithmic problem solving methods and programming skills are a valuable commodity and a marketable skill in most professional positions and disciplines.

Topics: The topics covered in this course include the basic tools for programming in C++. You will learn about variables, input/output, conditionals, iterators, functions and recursion. Other topics in the course include arrays, strings and classes.

Advising: CSI 201 has no prerequisites and is a required course for the major in computer science. This *is* a very difficult course for those with weak problem solving skills.

Grading: There will be three exams worth 15% each of your final grade. The final exam will count as 25% of your final grade. Homework contributes 15% of your final grade. Classwork comprises the last 15% of your grade in this course. 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. Classwork will contain programs completed during class as well as weekly quizzes based on previous material and reading material.

Exams: The exams will be held on September 29th, October 27th and November 17th.. 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: Form a study group and work together on problems constantly. To become a good programmer and problem solver, you must work on many problems. Attempt problems that aren't assigned to help you learn the material. 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.