

**CS 201 - F01**  
**Computer Science I**  
**Fall 2018**

**Instructor:** Dr. Chris Hartman  
**Email:** cmhartman@alaska.edu  
**Office:** 525 Duckering  
**Office Hours:** MWF 10:30-12:30 or by appointment  
Convenient appointment times are MWF 3:30 and Tuesday at noon, but you are welcome to stop by any time my door is open or email me to set up another time.

**Prerequisites:** 1 year high-school programming or CS 103; math placement at the 200 level.

**Text:** There is no required textbook. I highly recommend:  
C++ Primer (5th ed.) by Lippman, Lajoie, & Moo. (ISBN-13: 978-0321714114)

A more traditional textbook that has been used in the past in this class is Starting Out With C++: From Control Structures through Objects, Tony Gaddis. (This text is currently in its 8<sup>th</sup> edition, but earlier editions are just as good and available very cheaply on Amazon.)

**Website:** Course BlackBoard site at <http://classes.alaska.edu>

**Schedule:** MWF 9:15 – 10:15 Duckering 525  
(From Monday, Aug. 27<sup>th</sup> until Friday, December 7<sup>th</sup>)

Midterm Exam: Friday, October 19<sup>th</sup>.

Final Exam: 8:00am to 10:00am Monday, December 10<sup>th</sup>.

**Assessment:** The following items will be used in the following proportions to determine student grades.

Assignments	35%
In class lab work	20%
Project	10%
Midterm Exam	15%
Final Exam	20%

**Material** – After taking this class, students will:

- Have a basic programming proficiency in the C++ language, including practical knowledge of the structure of a program, variables, expressions, control structures, functions, simple data structures, I/O, and the basics of classes.
- Understand the concept of an algorithm, and how algorithms are translated into code.
- Be familiar with basic sorting and searching algorithms.
- Be familiar with computer-programming concepts such as source code, linker, local variable, iteration, parameter, etc.

**Project** – Near the end of the semester, students will do a longer programming project, and give a short in-class presentation of their work.

**Examinations** – Examinations will consist of short answer questions to demonstrate critical thinking skills as well as application of computer science concepts.

**Assignments** – Assignments will be required generally on a weekly to biweekly basis. The assignments will reinforce lecture concepts and demonstrate application of critical thinking skills. Unless otherwise specified, all assignments must be done on an individual basis. Late submissions will not be accepted.

**Lab Exercises** – We will have short weekly exercises to work on during lab time.

**Policies** – Students are expected to be at every class meeting on time, and are responsible for all class content, whether present or not. If absence from class is necessary, in-class work (other than quizzes) and homework may be made up only if the instructor is notified as soon as possible; in particular, absences due to scheduled events must be arranged ahead of time.

Students who fail to attend the first class meeting after registering for the class, or who miss four consecutive class meetings, may be dropped/withdrawn without warning, unless prior arrangements are made with the instructor.

Academic dishonesty will not be tolerated, and will be dealt with according to UAF procedures. You may discuss homework and lab assignments with others, but everything you turn in **must** be your own work.

Students in this class pay the CS lab fee. Payment allows access to open computer labs in the Chapman Building.

Examinations **must** be taken at the scheduled time. In particular, there **will be no** early final exams.

**UAF academic policies:** <http://catalog.uaf.edu/academics-regulations>

**CS Department policies:** <http://www.cs.uaf.edu/departmental-policies>

**Disabilities Services** – The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. I will work with the Office of Disabilities Services to provide reasonable accommodation to students with disabilities.