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:
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 8th 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. 27th until Friday, December 7th)
Midterm Exam: Friday, October 19th.
Final Exam: 8:00am to 10:00am Monday, December 10th.

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.