CS 201 – Computer Science I
Fall 2019

Instructor   John Quan

Email   jquan2@alaska.edu

Office   529 Duckering

Office Hours   MWF 10:30am - 12:30pm or by appointment.

Stop by any time I am in my office, or email me to set up a time.

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

Text   There is no required textbook, but I 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 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

Final Exam   Wednesday, May 1st, 8am – 10am
(https://www.uaf.edu/register/finals.php#spring)

Assessment

Assignments	35%
In-class lab work	20%
Project	10%
Midterm and Final Exams	35%

Grading Schema
A+ [95%, 100%),   **A** [90%, 95%),   **A-** [85%, 90%),
B+ [80%, 85%),   **B** [75%, 80%),   **B-** [70%, 75%),
C+ [65%, 70%),   **C** [60%, 65%),   **C-** [55%, 60%),
D+ [50%, 55%),   **D** [45%, 50%),   **D-** [40%, 45%),   **F** [0%, 40%)

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 to translate algorithms 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.

CS 201 – Computer Science I
Fall 2019

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

Exams Examinations will consist of short answer questions to demonstrate critical thinking skills as well as application of computer science concepts. **Exams must be taken at the scheduled time. In particular, there will be no early final exams.**

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. **I will deduct 10% per day for up to 3 days for late assignments.**

Labs We will have short weekly exercises to work on during lab time. **I will deduct 10% per day for up to 3 days for late labs.**

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, students may make up in-class work (other than quizzes) and homework only on the instructor's approval; arrange absences due to scheduled events 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 from the class 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 on the 5th floor of the Duckering building.

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

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

Disabilities Services The UAF Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. I will work with the UAF Office of Disability Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.