

CS120: Advanced Programming in C++

Tuesdays and Thursdays 4:25 - 5:40pm Terrill 308

Instructor: Lisa Dion

GTA: Nisha Chaube

Instructor Office Hours in Votey 329:

Wednesdays 12 - 2pm

Thursdays 2 - 4pm

and by appointment

GTA Office Hours in Votey 351A (conference room):

Fridays 9:30 - 11:30am

Course Overview

You will learn about the Object-Oriented Programming paradigm and gain knowledge of classes, encapsulation, polymorphism, inheritance, and virtual classes. You will use the C++ programming language to design efficient, sustainable projects.

Course Materials

Required Textbook:

Professional C++ by Marc Gregoire

3rd Edition

ISBN-10: 1118858050

ISBN-13: 978-1118858059

Recommended Textbook:

Effective Modern C++: 42 Specific Ways to Improve Your Use of C++11 and C++14 by Scott Meyers

1st Edition

ISBN-10: 1491903996

ISBN-13: 978-1491903995

Recommended Software: Visual Studio for PC users, Xcode for Mac users

Class Policy

Attendance is part of your grade (see Grading section).

Lateness: Quizzes and surveys will not be accepted late. You will lose 1 point off your final grade for each day a project is submitted late, up to 3 days per project.

If you submit a wrong file or omit a file from a project, you will be contacted via email. If you submit the correct file within 24 hours of being contacted, you will lose 1 point off your final grade; otherwise you will earn a 0 for the project.

Any questions or concerns about grades must be made within 1 week of the grade release.

Important Dates

Exam 1: October 6 (in class, open notes)

Exam 2: November 3 (in class, open notes)

Final Exam: December 12, 4:30 - 7:15pm, Terrill 308 (open notes)

Grading

50% - Projects

30% - Exams

10% - Quizzes and Surveys

10% - Attendance

Projects: Projects will be graded on a point system. Each project will be out of a number of points, and the total points for the projects will be 50% of your final grade.

Exams: Each exam will be 10% of your final grade. There are two midterm exams and one final exam. All exams are cumulative due to the nature of the course material. If you have an excused absence for an exam, you will need to schedule a make-up exam.

Quizzes and Surveys: Given through Blackboard, the Quizzes and Surveys must be submitted by midnight on the assigned due date. Each survey and quiz is worth 2% of your final grade. You can earn partial credit on quizzes but not on surveys.

Attendance: There are 22 classes that introduce new learning material (excluding the first class and any exam review or exam day). For each lecture that you attend, you earn 0.5% of your final grade, with a cap of 10%.

Academic Integrity

You must abide by the Code of Academic Integrity: <https://www.uvm.edu/policies/student/acadintegrity.pdf>

Any suspected violation will be reported to the Center for Student Conduct.

SAS

If you have a documented disability and are interested in utilizing accommodations, you should contact Student Accessibility Services (SAS). SAS works with students and faculty to create reasonable and appropriate accommodations via an accommodation letter to professors with suggested accommodations as early as possible each semester. Contact SAS: A170 Living/Learning Center; 802-656-7753; access@uvm.edu; or <http://www.uvm.edu/access>.

Religious Accommodations

You have the right to practice the religion of your choice. Your documented religious holiday schedule for the semester should be sent to me by the end of the second week of classes. You will be able to make up any work you miss for the purpose of religious observance.