

Queens College, CUNY, Department of Computer Science
Object Oriented Programming in C++
CSCI 211 / 611
Summer 2019
Instructor: Dr. Sateesh Mane

Course Website: <http://venus.cs.qc.cuny.edu/~smane/cs211/>

Classes: Mo/Tu/We/Th 1:50 – 2:53 pm, SB C205; 3 hr., 3 cr.

Prerequisites: CSCI 111.

Textbook (required): Walter Savitch, *Absolute C++*, 6th ed.

Course Description & Learning Goals:

- Learn basic C++ programming and understand the concepts of Object Oriented Programming (OOP).
- The lectures will cover selected topics of C++ and OOP. Depending on time constraints, topics will include the following. (*Note that the order below may not be the order of the lectures in class.*) Brief review of CSCI111, keywords `const`, `break`, `continue`, prefix and postfix operators, vectors, arrays and pointers (dynamic memory), forward declarations, C++ classes, function and operator overloading, encapsulation, inheritance and polymorphism. (*Optional, if time permits: namespaces, templates, elementary STL.*)
- **Students will be expected to write working C++ code, for example to answer exam questions.**
- **Students will be expected to display independent thought, not simply memorization of formulas.**

Grade Policy: The grading policy will consist of:

- Project (Tuesday 8/6/2019), Quizzes (in labs), Midterm (Thursday 7/18/2019) and Final (Monday 8/12/2019).
- The scope of exams is cumulative (all course material lectured up to the date of the exam).
- Some exam questions will be mandatory for graduate students and optional for undergraduates.
- The exam weights are respectively (10%, 20%, 30%, 40%) for (project, quizzes, midterm, final).
- There will be no exam questions requiring the use of language features in C++11 (or later versions).
- *Student program code will be expected to compile and run successfully on the Venus or Mars server, using the gcc compiler. Student program code which makes use of compiler or language extensions which do not compile and run successfully on the Venus or Mars server, using the gcc compiler, will not receive credit.*
- **Submission of plagiarized answers to exam questions will result in a failing grade for the course.**
- Students are expected to submit work of sufficient quality to pass the course on their own merits, without expectation of a curving of grades. Specifically, note the following:
 - A grade of ‘D’ will not be changed to ‘F’ at student request.
 - A grade of ‘WU’ will not be changed to ‘F’ at student request.
 - A failing grade will not be changed to a passing grade at student request.

Academic Policy: Academic dishonesty such as plagiarism or cheating will be dealt with seriously in accord with the University’s policy on academic integrity.

A student caught cheating on any question in an exam, project or quiz will fail the entire course.