

Queens College, CUNY, Department of Computer Science
Object Oriented Programming in C++
CSCI 211 / 611
Summer 2018
Instructor: Dr. Sateesh Mane

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

Classes: Mo/Tu/We/Th 12:00 – 1:03 pm, SB C205; 3 hr., 3 cr.

Office & Hours: SB A201; Mo/Tu/We/Th 1.15 – 1.45 pm and 3.45 – 4.15 pm (approx)

Prerequisites: CSCI 111.

Textbook: no required text.

Reference texts (optional):

- Walter Savitch, *Absolute C++*, 6th ed.

Learning Goals:

- The emphasis will be to learn C++ and understand the concepts of Object Oriented Programming.

Course Description: Review of basic C++ programming. Introduction to user-defined C++ classes and Object Oriented Programming concepts. Topics to be covered will include:

- Review of basic C++ concepts
- Introduction to C++ vectors
- Introduction to user-defined C++ classes
- Object oriented programming: encapsulation
- Operator and function overloading
- Namespaces
- Pointers and dynamic memory management
- Object oriented programming: inheritance & polymorphism
- *Additional concepts, if time permits.*
- **Students will be required to write working programs to implement the above concepts.**
- **Students will be required to carry out basic programming tasks in class.**

Grade Policy: The grading policy will consist of:

- Midterm 1, Midterm 2, Final.
- Projects (tentatively three projects, details to be fixed).
Students who form teams to collaborate on projects must inform the lecturer of the names of all team members ahead of time, else the submissions will be classified as cheating and will receive a failing grade.
- Some exam/project questions will be mandatory for graduate students and optional for undergraduates.
- The tentative exam weights are respectively 10%, 15% and 20% (subject to review).
- The tentative project weights are respectively 10%, 15% and 20% (subject to review).
- Quizzes 10% (subject to review).
- Homework is not officially graded. Good quality homework solutions may be counted for a grade boost.

Exam Dates: There will be two midterms and a final. Dates to be decided.

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.