Course Description. Introduction to the principles and practice of programming. Topics include primitive data types; concepts of object, class, and method; control structures; arrays; procedures and functions; parameter passing; scope and lifetime of variables; input and output; documentation. 2 lec., 2 lab. hr.; 3 cr.

Prerequisites and/or co-requisites MATH 120 or 151 or equivalent.

Required text. Walter Savitch, Absolute C++, 6th edition
Optional text. Easy reading: Brian Overland, C++ without fear

Course Topics:
  Week 1: Introduction to C++
  Week 1: Input and output
  Week 1: Data types and variables
  Week 2: Decisions: if and while
  Weeks 3, 4: Loops: for and while
  Weeks 5, 6, 7, 8: Functions
  Weeks 8, 9, 10: Arrays
  Week 11: Strings
  Week 13: Files
  Week 14: Additional Topics

Learning Goals. A solid understanding of the fundamental concepts of programming in C++. Successful students will be able to write correct and complete C++ implementations of projects assigned in lab sessions. Successful students will also complete exam questions that require the writing, reading and analysis of C++ programs and pieces of C++ programs.

Instructor:
  Alex Ryba
  alexander.ryba@qc.cuny.edu
  718-997-3488
  office: SB A116
  office hours: Tuesday and Thursday 12.15pm – 12.45pm
  or by appointment.

Course Website:

http://venus.cs.qc.edu/~ryba/cs111/

Classes: Tuesday and Thursday, 10.05am – 10.55am or 11.10am – 12.00noon, SB C201

Reminder:
  The class will not meet on:
  Thursday, September 5 (Monday schedule)
  Tuesday, October 1
  Tuesday, October 8
  Thursday, November 28
There are also required lab sections for this course. Departmental tutors are available in SB A135-G to help students from this course. For information about tutors ask in the department office, SB A202.

Requirements:
Two in-class midterm exams and the final exam.
Weekly quizzes (in lab), homework assignments (in lab).
The final counts for 40% of the course grade.
Each midterm counts for 20% of the grade.
Lab attendance, quizzes and homeworks count for a total of 20% of the course grade.

Exam Dates:
The first midterm will be in class on Thursday October 3rd, 2019
The second midterm will be in class on Tuesday November 26th, 2019.
At present the college has scheduled the final exam for: Tuesday, December 17th 2019
from 11.00am to 1.00pm
This date and time might be changed by the college during the semester.

Policy: Academic dishonesty such as plagiarism or cheating will be dealt with seriously in accord with the University’s policy on academic integrity.
No make up exams will be given. If you miss a midterm, your final exam score will be used in its place. If you miss the final you will get a WU for the course, or only in the case of good, sufficient and unforeseen reasons you might qualify for an incomplete grade for the course.
IDs may be checked in all exams.