Queens College, Department of Computer Science
CSCI 111 – Introduction to Algorithmic Problem-Solving
Mon Wed, 5 – 5:50 p.m., NSB C205
Professor Sara H. Geizhals
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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. Prerequisite or corequisite: MATH 120 or 151 or equivalent. 2 lecture hours, 2 lab hours; 3 credits.

Programming language used: C++.

See website for dates that correspond to the following topics:
- Output, variables, input, arithmetic
- Decisions: if, if-else, while, for, nested for
- Boolean operators: negation, and, or
- Functions, reference parameters, recursion
- Arrays, 2-dimensional arrays
- Strings and characters
- Files and arguments to main
- Post- and pre-increment and decrement
- Break, continue

Textbooks:

Grade:
- Quizzes and labs (in lab class) – 30%
- Midterm 1 and midterm 2 (see website for dates) – higher grade 30% and lower grade 10%
- Final – 30%

Academic dishonesty will be dealt with in accord with CUNY’s Academic Integrity Policy. Department policy is to give a grade of F to any student who helps or receives help from any other student during a midterm or final.

Students with disabilities must register with the Special Services Office (Frese Hall, Room 111, 718-997-5870). Accommodations will be provided, based on their recommendations.