

**BOROUGH OF MANHATTAN COMMUNITY COLLEGE**

City University of New York

**Department of Computer Information Systems**

Office S150/Phone: 212-220-1476

**Title of Course: Computer Programming I**  
**CSC 110**  
**Spring 2008**  
**Credits: 4**

**Class hours: 3**  
**Lab hours: 2**

**Course Description:**

An introduction to the fundamental concepts and terms of computer science, including algorithms, problem solving techniques and data types. Student will use a high-level computer programming language to solve a variety of problems.

**Prerequisites/Co-requisites:** Basic Skills-ENG 088 or ESL 062 & ACR 094, MAT 011

**Student Learning Outcomes:**

After completing this course, students will be able to:

- Distinguish between hardware and software.
- Explain what an algorithm is.
- Choose an appropriate problem solving technique for developing an algorithmic solution to a problem.
- Apply concepts of Object Oriented Programming (OOP).
- Trace the execution of a computer program.
- Test and debug a computer program.

**Required Text & Readings**

Textbook: **Starting Out With Java: From Control Structures through Objects 3/e**  
Author: **Tony Gaddis**  
Pub: **Addison Wesley**  
ISBN: **0-321-47927-0**

**Other Resources:** Two diskettes (DS/HD/) for IBM PS2 /PC Compatibles; Flash drives are recommended.

**Use of Technology (if applicable):**

**Evaluation & Requirements of Students:**

Exam 1/Quiz	25%
Exam 2/Quiz	25 %
Final	30%
Homework/Project	10%
<u>Instructor Evaluation</u>	10%
	100%

**Outline of Topics:**

Students should read the text section of the following chapters as well as the exercises. Reading these sections will help you prepare for your homework and examinations. Your instructor will be assigning specific exercises and programming problems from each chapter as homework.

**Ch 1: Introduction to Computers and Java**

**Ch 2: Java Fundamentals**

**Ch 3: Decision Structures**

**Ch 4: Loops and Files**

**Ch 5: Methods**

**Ch 6: A First Look at Classes**

**College Attendance Policy:**

At BMCC, the maximum number of absences is limited to one more hour than the number of hours a class meets in one week. For example, you may be enrolled in a three-hour class. In that class, you would be allowed 4 hours of absence (not 4 days). In the case of excessive absences, the instructor has the option to lower the grade or assign an F or WU grade.

**Academic Adjustments for Students with Disabilities:**

Students with disabilities who require reasonable accommodations or academic adjustments for this course must contact the Office of Services for Students with Disabilities. BMCC is committed to providing equal access to all programs and curricula to all students.

**BMCC Policy on Plagiarism and Academic Integrity Statement:**

Plagiarism is the presentation of someone else's ideas, words or artistic, scientific, or technical work as one's own creation. Using the idea or work of another is permissible only when the original author is identified. Paraphrasing and summarizing, as well as direct quotations require citations to the original source. Plagiarism may be intentional or unintentional. Lack of dishonest intent does not necessarily absolve a student of responsibility for plagiarism.

Students who are unsure how and when to provide documentation are advised to consult with their instructors. The library has guides designed to help students to appropriately identify a cited work. The full policy can be found on BMCC's web site, [www.bmcc.cuny.edu](http://www.bmcc.cuny.edu). For further information on integrity and behavior, please consult the college bulletin (also available online).