

**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 II**

**CSC 210**

**Spring 2008**

**Credits: 4**

**Class hours: 3**

**Lab hours: 2**

**Course Description:**

This is a second course in programming which will further develop those skills gained in CSC 110. Students will be introduced to GUI Applications, Arrays and ArrayList class. Additional programming topics such as Inheritance, Polymorphism, and Text Processing and Wrapper classes will also be covered.

**Prerequisites/Co-requisite:** Basic Skills: ENG 088; ESL 062; ACR 094;  
Co-requisite: MAT 05;  
CSC 110 or departmental approval

**Student Learning Outcomes:**

After completing this course, students will be able to:

- Work with String and Characters
- Explain the various applications of arrays
- Design and implement Visual Programming Basics
- Develop event driven code
- Describe inheritance, write inherited classes and give reasons for using inheritance and polymorphism
- Manage files and streams
- Identify the characteristics of OOP and create objects to solve problem

**Required Text & Readings:**

Textbook: **Starting Out With Java From Control Structures through Objects**  
Author : **Tony Gaddis**  
Pub: **Addison Wesley**  
ISBN-10: **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%   |
| Instructor Evaluation | 10%   |
|                       | <hr/> |
|                       | 100%  |

## **Outline of Topics:**

### **Review of Topics from CSC 110**

**Ch 07: A First Look at GUI Applications**

**Ch 08: Arrays and the `ArrayList` Class**

**Ch 09: A Second Look at Classes and Objects**

**Ch 10: Text Processing and More about Wrapper Classes**

**Ch 11: Inheritance**

**Ch 12: Exceptions and More about Stream I/O (optional)**

**Review and Final**

## **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 side, [www.bmcc.cuny.edu](http://www.bmcc.cuny.edu). For further information on integrity and behavior, please consult the college bulletin (also available online).