

BOROUGH OF MANHATTAN COMMUNITY COLLEGE

City University of New York

Department of Multimedia Programming & Design

Programming for Multimedia

MMP 220

Spring 2008

Credits: 3

Class hours: 2

Lab hours: 2

Any questions, CIS Dept,

Room S150

Phone: 212-220-1476

Course Description:

This course introduces the basic concepts of programming for multimedia. Students will learn the principles of object oriented programming and how to create scripts for the manipulation of video, graphics, and text to construct a complete multimedia presentation.

Prerequisites/Co-requisite: Basic Skills: ENG 088, or ESL 062; ACR 094;
Co-requisite: MAT 051;
MMP 100

Student Learning Outcomes:

After completing this course, students will be able to:

- Demonstrate an understanding of the basic structures of the Lingo syntax
- Demonstrate the ability to dissect complex Lingo code
- Control animation techniques with programming
- Script real-world tasks such as control of user interface elements
- Show the ability to integrate and control multimedia data types
- Demonstrate an understanding of object-oriented programming concepts

Required Text & Readings

Text: Foundation ActionScript for Flash 8
Authors: Sham Bhangal, Kristian Besley, David Powers, Eric Dolecki
Publisher: Friends of Ed
ISBN: 1590596188

Text: Learning to Program with Alice
Authors: Wanda Dann, Stephen Cooper, Randy Paush
Publisher: Prentice Hall
ISBN: 0-13-187289-3

Other Resources: Flash drives are recommended.

Use of Technology:

Evaluation & Requirements of Students:

Teacher evaluation and class performance	10%
Weekly class assignments	25%
Midterm examination	30%
Final examination	<u>35%</u>
	100%

Outline of Topics:

- Lingo syntax, general rules
- Organization of scripts within a production
- Basics of interactivity
- Branching, navigation, repetition
- Presentation, animation
- User interfaces (menus, dialog boxes, buttons)
- Sprites, cursors, animations
- Using & controlling multimedia elements (audio, video)
- Using lists, parent scripts and child objects (Xtras)

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. For further information on integrity and behavior, please consult the college bulletin (also available online).