

Borough of Manhattan Community College

The City University of New York

Department of Media Arts and Technology

Multimedia Programming I

MMP 210 - 1400, Spring 2025

3 credits, 2 hours lecture, 2 hour lab

Monday 2pm - 5:40pm

199 Chambers Building, Room S608 (Makerspace)

Professor Owen Roberts

oroberts@bmcc.cuny.edu

Office hours: Tuesday/Friday 10am - 11:30am on Zoom

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.

Basic Skills: ENG 088 or ESL 062, ACR 094

Prerequisites: MMP 100

Co-requisites: MAT 051

Student Learning Outcomes

Description	Measurements
1. Demonstrate the ability to read in an object oriented programming language.	Homework assignments
2. Demonstrate the ability to write in an object oriented programming language.	Homework assignments

3. Decompose programming problems logically.	Quiz / Homework assignments
4. Create interactive projects through programming.	Midterm and final project
5. Script real-world tasks in an application.	Final project
6. Integrate multimedia data types into an application.	Homework assignments and Final project

General Education Learning Outcomes

Description	Measurements
Communication Skills: Students will be able to write, read, listen and speak critically and effectively	Class presentations of midterm and final projects
Quantitative Reasoning: Students will be able to use quantitative skill and the concepts and methods of mathematics to solve problems.	Student homework assignments
Information & Technology Literacy: Students will be able to collect, evaluate and interpret information and effectively use information technologies.	Student homework assignments

Course Details

Use of Technology

Students will use the scripting language JavaScript. A text editor such as Notepad ++, Sublime or Brackets will be used to write code. Additionally, students may use Photoshop and Illustrator of Creative Suite 6 to design and manipulate graphics for their projects.

Required Texts

This is an OER/ZTC (Open Educational Resources/Zero Textbook Course) course.

Requirements and Evaluation of Students

- Participation: 10%
- Weekly assignments: 60%

- Final Project: 30%

Students will use **Brightspace** to grade assignments. All grading and feedback from faculty will be on Brightspace. Login to Brightspace here: <https://brightspace.cuny.edu/d2l/home>

The **Open Lab** is used for posting assignments and course materials. A BMCC login is needed to access the Open Lab and join the course.

If you need your login information contact the BMCC Service Desk at 212-220-8379, helpdesk@bmcc.cuny.edu, or Room S-141 (199 Chambers Street). You may also reset your password by going to <https://cunyportal.cuny.edu/> and clicking on “Account & Password Reset”.

Tutorials are available on [LinkedIn Learning](#) on a variety of topics related to this class. Follow login instructions here: <https://servicedesk.bmcc.cuny.edu/TDClient/33/Portal/KB/ArticleDet?ID=1024>

BMCC Policies

Class Participation

Participation in the academic activity of each course is a significant component of the learning process and plays a major role in determining overall student academic achievement. Academic activities may include, but are not limited to, attending class, submitting assignments, engaging in in-class or online activities, taking exams, and/or participating in group work. Each instructor has the right to establish their own class participation policy, and it is each student’s responsibility to be familiar with and follow the participation policies for each course.

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).

Gender Inclusivity

BMCC community members have the right to use and be referred to according to their preferred name, title, and/or personal pronouns. Everyone also has the right to use all spaces according to their self-identification, including restrooms and locker rooms. To learn more about how to change your preferred name and affirm your gender identity at CUNY (including requesting a new ID card and/or email address), go here: <https://www.bmcc.cuny.edu/student-affairs/lgbtq/>

Anyone who has experienced harassment related to gender or sexual identification, who needs assistance, or who wishes to file a complaint, can contact the Office of Compliance and

Diversity: <https://www.bmcc.cuny.edu/about-bmcc/compliance-diversity/>

Free BMCC Student Support Services

BMCC is committed to the health and well-being of all students. It is common for everyone to seek assistance at some point in their life, and there are free and confidential services on campus that can help.

Advocacy and Resource Center (ARC)

<https://www.bmcc.cuny.edu/student-affairs/arc/> room S230, 212-220-8195, arc@bmcc.cuny.edu. If you are having problems with food or housing insecurity, finances, health insurance or anything else that might get in the way of your studies at BMCC, contact the Advocacy and Resource Center (formerly Single Stop) for assistance. Please contact us at arc@bmcc.cuny.edu, call 212-220-8195, or come by the office at room S230. You may also contact the Office of Student Affairs, S350, 212-220-8130, studentaffairs@bmcc.cuny.edu, for assistance.

Counseling Center

www.bmcc.cuny.edu/counseling, room S343, 212-220-8140, counselingcenter@bmcc.cuny.edu. Counselors assist students in addressing psychological and adjustment issues (i.e., depression, anxiety, and relationships) and can help with stress, time management and more. This is a free and

confidential resource available to all BMCC students. We offer in-person, zoom and phone appointments. Appointments can be made by calling or filling out the form on the homepage.

Learning Resource Center: Tutoring and Other Academic Support

<https://www.bmcc.cuny.edu/students/lrc/>, room S510 (LRC, Writing Center, ESL Lab, Reading Lab), S534 (Math Lab), and F511, 212-220-1383.

Participation in out-of-class academic support services contributes to the learning process and reinforces in-class learning. Students who attend tutoring have a higher pass rate in courses than students who do not attend tutoring. LRC services include in-person and online tutoring for most courses, and special supplemental instruction (SI) sessions for some select course sections. They also provide assistance with classroom technology. The LRC has academic coaches who help students improve their study skills.

Office of Accessibility

www.bmcc.cuny.edu/accessibility, room N360 (accessible entrance: 77 Harrison Street), 212-220-8180, accessibility@bmcc.cuny.edu.

Students who need academic accommodations in connection with a disability must initiate the request with BMCC's Office of Accessibility (OA). Students need to register with the Office of Accessibility in order to officially disclose their disability status to the College and to determine eligibility for appropriate reasonable accommodations (including any prior IEPs or 504s). Please contact the OA at the start of the semester (or as soon as possible) to coordinate any accommodation request/s: www.bmcc.cuny.edu/accessibility

Office of Compliance and Diversity

<https://www.bmcc.cuny.edu/about-bmcc/compliance-diversity>, room S701, 212-220-1236.

BMCC is committed to promoting a diverse and inclusive learning environment free of unlawful discrimination/harassment, including sexual harassment, where all students are treated fairly. For information about BMCC's policies and resources, or to request additional assistance in this area, please visit or call the office, or email olevy@bmcc.cuny.edu, or twade@bmcc.cuny.edu. If you need immediate

assistance, please contact BMCC Public safety at 212-220-8080.