

City University of New York, College of Staten Island, Computer Science Department

CSC 225: Introduction to Web Development and the Internet

Instructor	Robert J. Domanski
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Office Hours	Mondays 5:30pm-6:30, Wednesdays 4:30pm-6:30pm

Required Textbook:

None. All readings and reference material will be assigned and posted on our class website.

Course Description

3 hours; 3 credits

An introduction to the Internet and Web page creation and management, using a markup language, a scripting language, a current editor, and a graphics program. Topics include incorporating graphics, sound, video and proper Web page development concepts. Students will prepare Web pages incorporating text, digitized images, scripts, animations, sound, and video.

Prerequisites: MTH 123

Learning Objectives

The overall objectives of this course are for students to:

- Understand the Web Development process
- Acquire practical coding skills for designing websites
- Design client and server-side programs for transaction-handling and with full database integration

Course Requirements and Grading Policy

Final course grades will be based upon the following criteria. No curve will be applied.

1. Project #1	20%
2. Project #2	20%
3. Project #3	20%
4. Homework/Lab Assignments	40%
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Total	100%

Attendance & Class Participation: Students are expected to attend all classes, read the assigned readings before the lectures, and participate actively in class sessions. It is up to each student to get updated information regarding assignments and class related announcements. You are responsible to know the class materials of any missed classes. There will be no separate reviews of any materials missed. Class participation includes making thoughtful comments and Q&A with both the instructor as well as with other classmates.

Drop Deadline: The college-wide course withdrawal period ends on November 10th.

Academic Integrity

Cheating and plagiarism are forbidden and will result in a grade of zero on the exam or assignment in question with no option for makeups or extra credit assignments. A second occurrence of cheating or plagiarism will result in a grade of “F” for the semester. For a full discussion and examples, please see CUNY’s Academic Integrity Policy as stated in CSI’s undergraduate catalog at:
<http://www.csi.cuny.edu/catalog/undergraduate/5282.htm>

Code of Conduct

For everyone involved in the class – students and faculty alike - our goal is to create a learning environment that is equitable, inclusive and welcoming.

If the design/details of the course result in barriers to inclusion -- either to an individual or a specific cohort group -- please let the instructor know as soon as possible. If an alternative channel is appropriate, the department chair and supervising administrators should be contacted.

Honor Code

All solutions and code should be produced by you alone, or by you and a partner, where appropriate. For pair-programmed assignments, each partner (or member of the pair) ***must be equal co-owners of the work.***

You may discuss algorithms at a high level with any student in the class. You may also help any student find small bugs (syntax issues) in their code. However, you may not copy solutions from anyone, nor should you collaborate beyond high-level discussions with anyone who is not your partner. For pair programming problems, you must follow the guidelines given above.

If you have any questions about what behavior is acceptable, it is your responsibility to come see the instructor before you engage in this behavior. I am more than happy to answer any questions you may have.

Course Schedule

Week	Week of	Topics
1	8/29	Introduction to the course, the Client-Server model, FTP, Domain Names, Web Hosting
2	9/5	HTML - Basics
3	9/12	HTML - Tables
4	9/19	HTML - Forms
5	9/26	HTML – Canvas and Advanced Topics
6	10/3	Content Management Systems (CMS)
7	10/10	Embedded Media and Plugins
8	10/17	CSS – Inline, Embedded, & External Style Sheets
9	10/24	Javascript – Basics of Programming, Input/Output
10	10/31	Javascript – Conditionals & Loops
11	11/7	Javascript – Functions
12	11/14	Search Engine Optimization (SEO)
13	11/21	Security
14	11/28	PHP
15	12/5	MySQL
16	12/12	Course wrap-up and review
17	12/19	FINAL PROJECTS