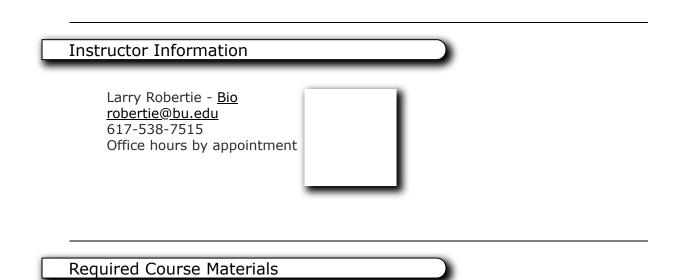
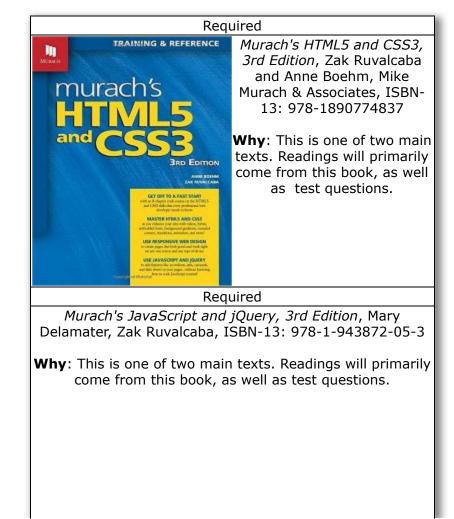
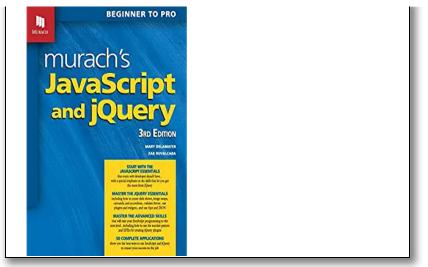
Boston University

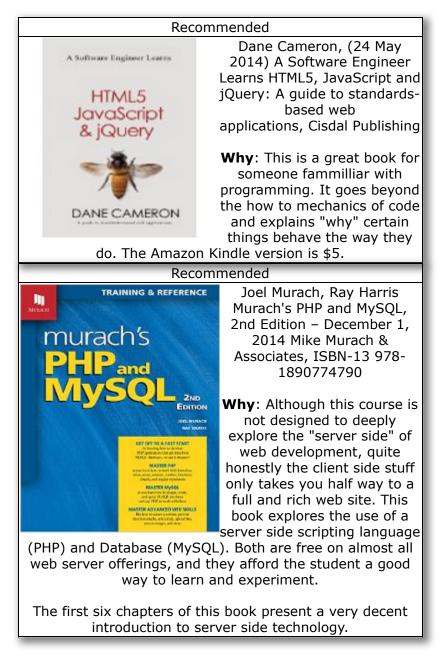
MET CS401 - Introduction to Web Application Development



Textbook:







http://www.robertie.com/rU - class web site https://repl.it - Web IDE http://www.000WebHost.com - free web hosting http://www.hostmonster.com/ - paid web hosting http://www.ipower.com/ - paid hosting (wind powered) http://www.aptana.com/ - opensource Web IDE BU Academic Alliance - Free Microsoft Web Expressions or Visual Studio http://www.mozilla.com/en-US/firefox/fx/ - Firefox Web browser https://addons.mozilla.org/en-US/firefox/addon/firebug/ - Firebug web development tool for Firefox http://www.apachefriends.org/en/xampp.html - install development environment locally http://www.w3schools.com/ - W3Schools Web Tutioials http://php.net/manual/en/langref.php - The official PHP reference manual Top of Page

Course Description

Focuses on building core competencies in web design and development. It begins with a complete immersion into HTML. Students are exposed to Cascading Style Sheets (CSS), as well as Dynamic CSS. The fundamentals of JavaScript language including object-oriented JavaScript are covered comprehensively. AJAX with XML and JSON are covered, as they are the primary means to transfer data from client and server.

Prerequisites:

The prerequisites to this course are introductory programming classes.

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By successfully completing this course you will be able to:

- Understand web programming concepts.
- Demonstrate client-side competency with knowledge of HTML and CSS.
- Develop web applications skills using software such as Dreamweaver.
- Create dynamic web pages with JavaScript and Ajax.
- Understand the basics of XML.
- Understand the basics of PHP and MySQL.
- Gain hands-on exposure to the web site design and development process.
- Develop a basic website.

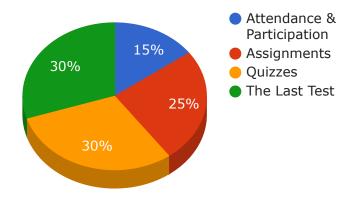
Instructional Methods

Lecture, demonstration, problem solving, and discussion. <u>Top of Page</u>

Grading

Course Grading Criteria		
Event	% of Grade	
Attendance & Participation	15%	
Assignments	25%	
Quizzes	30%	
The last test	30%	





Note: there will be no "extra credit" assignments, any assignment passed in late will receive an automatic 20% reduction in grade, no assignment will be accepted beyond one week late.

No quiz, or the last test, will be accepted past its due date/time. Standard Grading

Letter Grade	Numerical Equivalent	Grade Points
A	95-100	4.00
A-	90-94	3.67
B+	86-89	3.33
В	83-85	3.00
B-	80-82	2.67
C+	75-79	2.33
С	70-74	2.00
C-		
D	64-69	1.00
F	less than 64	0.00
IP	In Progress (incomplete)	

- Be on time for all class meetings
- Any student who misses three classes may be at risk for failing the course.
- Each student is responsible for reading chapters from the text, as well as other reading materials as assigned by the instructor.
- Texting or use of cell phones in class is prohibited

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Code of Conduct

The course is governed by the Academic Conduct Committee policies regarding plagiarism (any attempt to represent the work of another person as one's own). This includes copying (even with modifications) of a program or a segment of code without attribution. You can discuss general ideas with other people, but the work you submit must be your own. Collaboration is not permitted unless you are otherwise instructed.

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Schedule

Торіс	Reference
Class Intro	"The Stack"
Coding a web page, HTML5	chapters 1,2, & 3
CSS Design and deploy a web site	chapters 4, 5 , & 6 chapter 18
Lists and links, Images, Tables, and Responsive Design	chapters 7, 9, and 8
Tables & Forms, Audio, Video, Fonts, and Printing	chapters 10, 11, 12, & 13
CSS3 transitions, transforms, animations, and filters	chapter 14
Introduction to JavaScript	chapter 2, 3
JavaScript Objects, Functions, and Events	chapter 4
DOM Scripting, Testing your JS	chapter 5 & 6
Create and use JavaScript Objects	chapter 11
jQuery	chapters 17
Server side scripting (PHP) & Database (MySql) AJAX	The last test

Note: When appropriate, this schedule will be condensed to accomodate the 12 week summer session. All topics will be covered. Schedule subject to change as needed.

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METCS201 :: Introduction to Web Development

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