



Course Description

DMA 262 introduces the practice and principles of multimedia authoring for the Web. Emphasis will be placed on using HTML 5, CSS, Javascript, and a selection of Javascript based libraries. The assignments will focus on developing small games or applications. Prerequisite: DMA 103 and PROG 109 at BC with a C- or better. DMA 262 replaces WEBMM 222 which has been offered in prior quarters.

Instructor: Ron Austin

Email: ron.austin@bellevuecollege.edu

Office Hours: By appointment

Class Time: W 3:00-5:10p A132/Online

Outcomes:

Demonstrate an understanding of new client-side Web technologies.

Design a web form using HTML 5 form elements.

Create layout examples using new CSS2 and CSS3.

Understand and use common programming terms.

Understand and use general programming techniques.

Describe several ways to create video, audio, and animations for Web pages.

Develop simple games and graphics using Javascript and the Canvas element.

Demonstrate an understanding for JQuery and other JS libraries.

Materials and Required Text Books:

You will need to use a text editor such as Notepad. In addition you are encouraged to use an application such as Visual Studio or Dreamweaver CS5.5. You will need access to at least three of the popular browsers: Chrome, IE, Safari and Firefox. You will want to use the most current versions of those browsers.

The following books are available for free viewing at **books 24x7**. This can be found through your myBC home page. The books are not carried through the BC Bookstore. You may choose to purchase the books at a number of other online sites or bookstores.

HTML Solutions: Essential Techniques for HTML 5 Developers

Marco Casario

Friends of ED (2011)

The Essential Guide to HTML 5: Using Games to learn HTML5 and JS

Jeanine Meyer

Friends of ED (2010)

Grading:

Total Points: 500

Assignments 300 points total (60% of grade)

There will be three assignments. These will take 1-2 weeks to complete.

Class Projects: 70 points (14% of grade)

There will be about seven short class projects.

Quizzes: 100 points (20 % of grade)

There will be two quizzes during the quarter.

Participation: 30 points (6% of grade)

Participation is based on attendance, submitting work on time, and professional behavior.

Final Grading (percent of 500 points)

93-100%=A

90-92=A-

88-89=B+

83-87=B

80-82=B-

78-79=C+

73-73=C

70-72=C-

65-69=D

(percentages less than 65% will receive an F)

Student Behavior

Politeness and professional behavior are expected in class. Copyright and Plagiarism: If you are found to have cheated or copied for any assignment or exam you will forfeit your grade for the assignment. You also risk receiving a failing grade for the course.

Submitting Assignments

Assignments and projects will normally be submitted to an assignment drop box via the Vista class site. I. Grades and comments will be returned via email or through Vista.

Late Work

Assignments and projects submitted late will be graded down 15% automatically. Assignments will not be accepted later than one week after the due date. You are responsible for backing up your own work

Student Services

Disability Resource Center: Location B132, Phone 425-564-2498

Counseling Center: Location B234, Phone 425-564-2212

Student Programs: Location C212, Phone 425-564-6150

Many other services are available to students. These are listed at:

<http://bellevuecollege.edu/resources/services/>

Class Calendar

Week 1 1/3	Introduction to HTML 5 and schematics.
Week 2 1/9	HTML 5 forms and new input types.
Week 3 1/16	Audio and video media elements. Creating custom video players.
Week 4 1/23	CSS2 and CSS3 new properties. We may continue to work with audio and video as needed.
Week 5 1/30	Introduction to animation and graphics with Javascript.
Week 6 2/6	Canvas graphics and animation. Dice game review.
Week 7 2/13	Game: CannonBall and Slingshot.
Week 8 2/20	Game: Rock, Paper, Scissors.
Week 9 2/27	JQuery Library Overview
Week 10 3/5	More advanced JQuery with slideshows and toggles.
Week 11 3/12	Other Javascript libraries such as EaseIJS.
Week 12 3/19	Final projects and quiz online.
<p>Other Important Dates Quarter ends: March 22nd (last DMA 262 on campus class is March 14th) College closed: January 16th, January 31st, February 20th, March 1st Final exams: March 20-22nd (DMA 262 final project/exam will be submitted online)</p> <p>Note that the instructor reserves the right to modify the schedule and syllabus as needed. Notifications for modifications to the syllabus will be provided to students.</p>	