VMD 141 – Web Production II • Fall 2016  
Thursday 6–9:50pm • VA 142 and 143

Instructor: Beth Cataldo  
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 **Office Hours:**   
Ocean Campus, VA 143A: Wednesday, 12–1pm and Thursday 5-6pm

or by appointment.  
Class site: insight.ccsf.edu and www.webproduction2.com

# ****Course Description:****

Development for web and smart devices using professional code editors. Topics include separating markup, presentation and content. Section 508, production of accessible web sites and using HTML5 and Cascading Style Sheets are also covered.

**Student Learning Outcomes:**

Upon completion of this course a student will be able to:

* Describe web standards and their importance
* Integrate web technologies
* Determine the organization of a web site
* Organize assets, such as photographs and text files, for streamlined production
* Create interactive projects using Cascading Style Sheets
* Assess strategies for web efficient production
* Assess problems that arise with software
* Evaluate production workflow steps
* Produce several web sites in different genres from pre-production to on the Internet

# ****Goals:****

This is a hands-on, introductory level course covering production techniques and best practices for front-end Web development. Students will learn how to create well-structured, standards-compliant web documents using Hypertext Markup Language (HTML) and manipulate HTML to create user-friendly interfaces for a range of web enabled devices using Cascading Style Sheets (CSS). Topics will include employing efficient workflow practices, available tools and resources for web developers, current production techniques and more.

**Prerequisite**

VMD 140 Web Production I (or equivalent). Students should be comfortable using Macintosh computers and have had some exposure to basic web-page creation.

**Required Supplies:**

You will need either a mobile storage device of some kind (USB drive) or Cloud storage (Dropbox, Google Drive).

**Required accounts:**

You will need to know your username and password for the following accounts:

**Insight:** CCSF’s course management system. I’ll post assignments, grades, and feedback here.

**Grading:**Assignments and memory booster exercises: 50%

Midterm: 15%

Final: 25%  
Participation and communication: 10%

**Grading Breakdown:**

**A: 900-1000**

**B: 800-900**

**C: 700-800**

**D: 600-700**

**F: 500-600**

**NOTES:** If taking Pass/No Pass you need at least 70% of the total class points and complete the midterm exam and the final exam to pass the class.

An “F” grade indicates that a student attended, participated and completed the course but failed to master the course curriculum.

An “FW” grade indicates the student stopped attending a course after the “last day to withdraw” deadline and subsequently did not submit any work or participate in any exams. Please check with your counselor and financial aid advisor for possible implications of the FW grade on residency and financial aid status.

**Standards of Conduct**Students who register in CCSF classes are required to abide by the [CCSF Student Code of Conduct](http://www.ccsf.edu/en/student-services/StudentAffairs/Conduct/_jcr_content/col2parsys/documentlink_1/file.res/Student%20Code%20of%20Conduct%20&%20Due%20Process.pdf). Violation of the code is basis for referral to the Student Conduct Coordinator or dismissal from class or from the College. See the [Office of Student Affairs and Wellness](http://www.ccsf.edu/en/student-services/StudentAffairs/Conduct.html).

Collaborating on or copying of tests or homework in whole or in part will be considered an act of academic dishonesty and result in a grade of 0 for that test or assignment. I encourage students to share information and ideas, but not their work. See these links on Plagiarism:

[Encourage Academic Integrity and Prevent Plagiarism](http://www.ccsf.edu/en/library/library-services/faculty_services/integrity.html#def)

[Citing Information Sources](http://www.ccsf.edu/en/library/research-help/citing.html)

**Special Needs**

If you need classroom or testing accommodations because of a disability, or have emergency medical information to share with me, or need special arrangements in case the building needs to be evacuated, please make an appointment with me as soon as possible. My office hours are Wednesdays 12-1pm and Thursdays 5-6pm in VA143A. Students seeking disability related accommodations are encouraged to also register with Disabled Students Programs and Services located in Room 323 of the Rosenberg Library (415) 452-5481. Please see the [DSPS website](http://www.ccsf.edu/en/student-services/student-counseling/dsps.html) for more information and alternate locations.

**Class time, absences and the “Incomplete” grade:**

**We have a lot of material to cover in this class, and will not have time to review material because students are late or absent. Since one of the goals of this class is to learn and follow professional practices, your punctuality and attendance is important. Class will begin at 6pm and end at 9:50pm.**

**Late arrival time or early departure will be monitored, and will affect your grade. Three or more instances of being late will result in a lower grade. Any unexcused absences will be noted. Two unexcused absences will result in a lower grade. It is the policy of CCSF that Incompletes can only be given if a student has a family or medical emergency and must be documented. I will not give an Incomplete as a grade because you have not been able to finish projects or assignments on time.**

**Computer Lab Access**

Exercises are to be worked on during the scheduled lab time although you may work outside of class on a computer with the necessary software. Also, the computer lab at Batmale Hall, Room 301, is accessible to all students who have valid CCSF ID for the current semester. Students may be asked to verify CCSF ID with a Picture ID. You must abide by the rules of either lab to use them. No food or drinks at any time. The Graphic Communications Department also has open lab hours, which I will also announce early in the semester.

**Dropping the class:**

If you don’t come to class for more than three consecutive classes without an explanation, I will drop you if it's still during the withdrawal period. If you simply stop attending after the withdrawal period without dropping the class, you will receive an "F" as a grade at the end of the semester.

**Pass‐No Pass (P/NP)**

You may take this class P/NP. You must decide before the deadline, and add the option online with [Web4](https://ocean.ccsf.cc.ca.us/banr/twbkwbis.P_WWWLogin) or file the P/NP form with Admissions and Records. With a grade of C or better, you will get P.

You must file for the P/NP option by the appropriate date. Once you decide to go for P/NP, you cannot change back to a letter grade. If you are taking this course as part of a certificate program, you can probably still take the class P/NP. Check with a counselor to be sure.

**Resources**

There are no required texts for this course but you can get free access to numerous titles for topics covered in this course through Safari Books online via SF Public Library. Go to http://sfpl.lib.ca.us/emedia/ and enter your library card and pin numbers.

I am requiring you to get a Library Card from the San Francisco Public Library. I will be requiring that you watch some Lynda.com videos for homework and that is free for anyone with a SFPL card. Here’s a link to the instructions about the library card:

<http://sfpl.org/index.php?pg=2000001201>

I will regularly assign articles and tutorials from online resources like smashingmagazine.com, csstricks.com and others.

1. [Code Academy](http://www.codeacademy.com/): www.codeacademy.com
2. [Smashing Magazine](http://www.smashingmagazine.com/): www.smashingmagazine.com
3. [CSS Tricks](http://css-tricks.com/): www.css-tricks.com
4. [Web Style Guide](http://webstyleguide.com/): www.webstyleguide.com
5. [On Extra Pixel](http://www.onextrapixel.com/): [www.onextrapixel.com](http://www.onextrapixel.com)
6. Lynda.com (free subscription from the Public Library under eLearning) (https://www.lynda.com/portal/patron?org=sfpl.org)
7. Teamtreehouse.com (free subscription from the Public Library under eLearning) (http://sfpl.org/index.php?pg=2000883301)

**Extra Credit Option:**

Extra credit of 20 points is available to students who want to do a 10-minute presentation about a new technology, lecture or book or an experience that they had at a Meetup or other user group related to related technologies. If you are interested in this option, please talk to me and we can set up a time and day for your presentation.

**Fall 2016 Schedule:**

The following is the general outline for the class. The topics will remain flexible and could change depending on the experience level of the class and if we are able to cover the material as outlined below.

***Please note the following important dates for Fall 2016:***

Aug 25: Last Day to Drop with refund Oct 31: Last day for late-add forms

Sep 2: Last Day to Add with instructor's approval Nov 10: Last Day to Drop with a “W”

Sep 8: Last day to drop without a “W” Nov 24: Thanksgiving/no class

Sep 15: Last day to request P/NP grading option Dec 7: Last day of class

Sep 29: Deadline to apply for certificate/degree Dec 14: Final presentations

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| Week | Date | Topics | Assignment |
| 1 | Aug 18 | • Overview of class, resources, procedures, introductions, skill assessment  • Front-end web development primer  • Workflow Basics  • Insight and server logons. | Complete skills assessment survey  Log in and set up your profile in insight.ccsf.edu  Set up Google Docs, DropBox  GitHub and Brackets  **Exercise:** Set Up Project Directories |
| 2 | Aug 25 | **Part 1: Structuring Content with HTML HTML Markup Part 1**  • HTML syntax overview  • Structuring content with semantic HTML  • W3C Markup Validation Service | **Exercise:** Structure Content, part 1 |
| 3 | Sep 1 | **HTML Markup Part 2**  • Markup flow  • HTML 5 grouping tags  • Div tags for CSS | **Exercise:** Structure Content, part 2 |
| 4 | Sep 8 | **HTML Markup Part 3**  • Representing data with HTML tables  • Forms and form objects overview  • User input and form validation | **Exercise:** Organize Data with an HTML Table **Exercise:** Create an HTML Input Form |
| 5 | Sep 15 | **Part 2: CSS and Web Content Presentation**  **Cascading Style Sheets Overview**  • Tag, id, and class selectors  • Creating and linking an external style sheet  • W3C CSS Validation Service  **Grid-based Layouts**  • Grid systems overview  • Float property overview  • Utility style sheets | **Exercise:** Create a Grid-based layout |
| 6 | Sep 22 | **CSS Box Model Pt. 1**  • Controlling element width and height  • Specificity and selector weight  • Creating reusable CSS rules | **Exercise:** Box Model Pt. 1 |
| 7 | Sep 29 | **Part 3: CSS Styling**  **CSS Color**  • CSS color properties | **Exercise:** CSS & Color  **Mid-term review** |
| 8 | Oct 6 | **CSS Typography**  • CSS type properties  • Controlling type characteristics and spacing with CSS  • Custom typography with CSS web fonts | **Exercise:** CSS & Typography  **Mid-term test (take-home)** |
| 9 | Oct 13 | **CSS Pseudo selectors**  • Pseudo selectors overview | **Exercise:** CSS Pseudo Selectors |
| 10 | Oct 20 | **Styling HTML Tables & Input Forms**  • Controlling tables with CSS  • Table-specific CSS properties  • Controlling input forms with CSS | **Exercise:** CSS Tables  **Exercise:** CSS Input Forms |
| 11 | Oct 27 | **CSS for Multiple Devices**  • CSS media queries and conditional layouts  • Prioritizing content layout for different viewports  • Responsive images | **Exercise:** Responsive Layouts Pt. 1 |
| 12 | Nov 3 | **CSS for Multiple Devices**  • CSS media queries and conditional layouts  • Prioritizing content layout for different viewports  • Responsive images | **Exercise:** Responsive Layouts Pt. 2 |
| 13 | Nov 10 | **CSS for Multiple Devices**  • CSS media queries and conditional layouts  • Prioritizing content layout for different viewports  • Responsive images | **Exercise:** Responsive Layouts Pt. 3 |
| 14 | Nov 17 | Cleaning up the project /Final Project |  |
| 15 | **Dec 1** | Bootstrap intro /Final Project | Final project lab |
| 16 | **Dec 8** | Final Project lab | Final project lab |
| 17 | **Dec 15** | Final Project due | Final project presentation |