

OHLONE COLLEGE
Ohlone Community College District
OFFICIAL COURSE OUTLINE

I. Description of Course:

1. **Department/Course:** MM - 106
2. **Title:** Advanced Web Site Design
3. **Cross Reference:**
4. **Units:** 3
Lec Hrs: 2
Lab Hrs: 3
Tot Hrs: 90.00
5. **Repeatability:** No
6. **Grade Options:** Letter Grade, May
Petition for Pass/No Pass (GP)

7. **Degree/Applicability:**
Credit, Degree Applicable, Transferable
- CSU (T)
8. **General Education:**
9. **Field Trips:** Not Required
10. **Requisites:**
Prerequisite
MM 105 Web Site Design or equivalent
course (to be approved by the instructor)

12. Catalog Description:

Learn advanced techniques in web site design employing industry standard software like Dreamweaver, Photoshop and Fireworks. This course focuses on CSS for layout, style, and navigation. Other topics include web graphics, forms, Ajax within the Spry framework, dynamic image galleries, accessibility, and professional practices in web site design.

13. Class Schedule Description:

Learn advanced techniques in web site design using Dreamweaver, Photoshop, CSS, and Ajax within the Spry framework

14. Counselor Information:

This is a required course for the Fast-Track Certificate in Web Site Design; it can be considered an elective for the Certificate of Achievement in Multimedia

II. Student Learning Outcomes

The student will:

1. Employ image editing software to create comps, slices and graphics for web sites
2. Employ advanced techniques in Dreamweaver such as CSS layouts, Spry framework, forms, and behaviors
3. Explain the CSS syntax and create CSS by hand-coding and through the use of software tools
4. Identify and solve problems in the structure of web pages caused by browser incompatibilities
5. Apply design principles to complete web sites
6. Develop aesthetic understanding to analyze and critique web sites
7. Explain the professional practices that govern the field of web site design

III. Course Outline:

- A. Planning a web site: proposal, storyboarding, site navigation
- B. Principles of design applied to web pages
- C. Advanced features in image editing software:
 - 1. Creating comps
 - 2. Slicing
 - 3. Creating and optimizing images for backgrounds, corners, and decoration
 - 4. Automating tasks: actions, batch of files, droplets
- D. CSS:
 - 1. Syntax
 - 2. The CSS box model
 - 3. Static, absolute, fixed, and relative positioning
 - 4. Floating elements
 - 5. Controlling graphics with CSS
 - 6. Building navigation with CSS
 - 7. Liquid and elastic layouts
 - 8. CSS for print and screen
- E. Advanced features in web authoring software:
 - 1. Creating and managing CSS
 - 2. Employing behaviors
 - 3. Creating Forms
- F. The Spry framework:
 - 1. Building Ajax pages within the Spry framework
 - 2. Using Spry widgets
 - 3. Applying CSS to style Spry widgets
 - 4. Creating dynamic image galleries
- G. Web site accessibility:
 - 1. Overview of Section 508 standards
 - 2. Creating accessible page layouts using CSS
- H. Techniques to fix browser incompatibilities
- I. Analysis and critique of students' projects
- J. Professional practices in web site design such as contracts, model releases, work ethics, copyright issues

IV. **Course Assignments:**

- A. Reading Assignments
 - 1. Read topics on the web, the textbook and/or instructor's notes as required
- B. Projects, Activities, and other Assignments
 - 1. Complete book exercises and online tutorials
 - 2. Midterm project: complete a web site that employs CSS for layout, style and navigation
 - 3. Final Project: using Spry widgets, complete a web site that includes a dynamic image gallery
- C. Writing Assignments
 - 1. Write a proposal for a web site explaining the goal of the site, the style, and the

target audience.

2. Write a contract with a fictitious or real client stating due dates, client/designer's responsibilities, and specifics of the web site (number of pages, media included, technology employed)

V. Methods of Evaluation/Assessment:

- A. Written quizzes on CSS syntax (SLO number #3)
- B. Participation in all class activities and lectures
- C. Completion of homework and projects that demonstrate an understanding of techniques and concepts learned in class
- D. Presentation and explanation of midterm and final project

VI. Methods of Instruction:

- A. Lecture
- B. Laboratory
- C. Demonstration
- D. Computer Assisted Instruction

VII. Textbooks:

Recommended

1. Stephanie Sullivan *Mastering CSS with Dreamweaver CS3* First Edition, New Riders, 2008 ISBN: 9780321508973

Supplemental

VIII. Supplies:

- A. One USB Flash drive and one CD-RW (approximate cost \$20)

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