

The SUNY Center for Professional Development presents

# Designing Websites for Mobile Devices



This 2-day class will give you the practical knowledge to effectively plan, create and deliver websites for Mobile devices, such as phones, PDA's, Blackberry's, etc. We will combine the power of XHTML and CSS to create a simple, accessible Mobile site. Participants are encouraged to bring their own content for the lab project.

Software to be used: Dreamweaver CS3, Adobe Device Central, WinWAP Smartphone Browser Emulator, Opera Mini Simulator. No special hardware or mobile devices are needed.

**Prerequisites:** Participants should feel very comfortable quickly saving and retrieving files, understand a computer's file and folder structure, know basic Word formatting and use computers on a consistent basis. No Dreamweaver knowledge or web design experience is necessary. NOTE: The majority of this class is non-technical, but some technical concepts and skills will be delivered.

We will be using Dreamweaver CS3 to expedite the XHTML design, but if you are using another web design program, earlier version of Dreamweaver, or are hand coding, this class would still be appropriate.

## Overview:

- Understand the differences between Mobile and traditional websites, screen resolutions and pixel dimensions, text sizing, principals of Mobile web design, pop-ups, and frames.
- Learn how to plan and set up a Mobile website in the Dreamweaver environment, view and manage XHTML and CSS.
- Learn about Fluid Design and those elements that impact smaller screen sizes.
- Learn how to add content to web pages, optimize images, and enhance the navigation of the site.
- Apply handheld style sheets to multiple pages and make Opera use your CSS.
- Validate your site for accessibility.
- Manage your site and create search engine optimization.

For a more detailed course outline or to register, please visit <http://www.cpd.suny.edu> and select Registration / General / Web Development Programs.

**DATE:** November 26-27, 2007

**LOCATION:** SUNY Center for Professional Development, Syracuse, NY

**COST:** CPD Member—\$160 CPD Non-Member— \$175

*CPD and ITEC Points can be used for payment.*

**REGISTER ONLINE AT:** <http://www.cpd.suny.edu>

**Questions?** Email [info@cpd.suny.edu](mailto:info@cpd.suny.edu) or phone (315) 233-3052 ext. 111 or ext. 112.

**State University of New York**  
**Center for Professional Development**

## **Designing Mobile Websites (For Phones, Handhelds, PDA's & Blackberry's)**

This 2 day class will give you the practical knowledge to effectively plan, create and deliver websites for Mobile devices, such as phones, PDA's, Blackberry's, etc. We will combine the power of XHTML and CSS to create a simple, accessible mobile site. Participants are encouraged to bring their own content for the lab project.

Software used: Dreamweaver CS3, Adobe Device Central (bundled with Dreamweaver CS3), WinWAP Smartphone Browser Emulator (Free), Opera Mini Simulator (Free)

No special Hardware or mobile devices are needed.

**Prerequisites:** Must feel very comfortable quickly saving and retrieving files, understand a computers file and folder structure, know basic Word formatting and use computers on a consistent basis. No Dreamweaver knowledge or web design is necessary.

**Note:** The majority of this class is non-technical, but some technical concepts and skills will be delivered.

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Maximum 15 ppl.

### **Lesson 1- Overview**

Understanding the differences between Mobile and traditional websites

Screen resolutions and pixel dimensions

Text sizing

Principals of Mobile Web Design

Pop ups, Frames

Overview of the big picture

**Lesson 2-** Setting up a Mobile Web Site

The Dreamweaver Environment

Defining a Web Site

Viewing and Managing XHTML Code and CSS stylesheets

Previewing in Adobe Device Central, WinWAP and Opera Mini

**Lesson 3-** Planning a Mobile Web Site

Information Architecture

Menu decisions

Icons vs Text

Category, Alphabetical, Time Sequence, Shallow Hierarchy, Deep Hierarchy

**Lesson 4-** Building a Web Site from Scratch

The Site Panel

Creating a Basic Web Page

Fluid Design overview

Page Properties

Links within a Site

External Links

Templates

**Lesson 5-** Screen sizes

Understanding Fluid Design

Block elements

P, Table,

Re-flow,

Em & %

Antialiasing

Smoothing, clearType

Color and contrast

**Lesson 6-** Adding Content to Web Pages

List Formats

Images

Understanding images optimization in Adobe Photoshop

**Lesson 7-** Enhancing Navigation in a Site  
The History panel

Lesson 11- CSS Style Sheets  
Handheld style sheets  
Defining Style Sheets  
Applying Style Sheets to Multiple Pages  
Building and Editing Custom Styles  
img.as-tex CSS  
making Opera use your CSS  
Validating your site for accessibility

**Lesson 8-** Managing and Uploading a Web Site  
Setting up FTP Information  
The Site Map  
Managing

**Lab Project**

Creating a 4 page website utilizing external and internal Links,  
Different Fonts, Page Titles, Emails and Images

**Lesson 9-** Search Engine Optimization Condensed version  
Defining Description, Keywords, Title Tags, H1, etc  
Editing More Meta Tags  
Understanding search engine spiders

**Lab Project**

Creating a 10 page mobile website utilizing CSS, Templates, emails  
and uploading to the Internet.