

Syllabus

Course Info

Designing for the Web and Devices 2

7100 282-001 (16998 | 16999)

Spring 2012

Tuesday/Thursday 1:45pm - 4:25pm

Tuesday/Thursday 5:20pm - 8:00pm

Folk 148

Final Exam Time(afternoon): Thursday, Dec 8 noon - 1:55pm

Final Exam Time(evening): Thursday, Dec 8 noon - 1:55pm

Catalog Description

Building on knowledge from Web 1 students will review Information Architecture, dynamic web design within the MAMP (MAC, APACHE, MYSQL , PHP) environment, custom hosted for web distribution on computer screens and handheld devices.

Full Description

The student will build on knowledge obtained in Designing for the Web and Devices 1 in furthering a complete understanding of XHTML and CSS. An emphasis is placed on research and design. We will review Information Architecture as it pertains to graphic design for the web. MySQL and php will be introduced for dynamic delivery of web contents. Students will experience designing specific applications for web distribution on computer screens as well as small handheld devices.

Domain names, ISP's and transferring and developing on an active server through ftp programs is discussed in preparation for clients. A primary goal is for each student to have and maintain a dynamic personal web site throughout the course. This site will be a launching pad for the students continued online presence. This course requires to obtain and host a personal domain name.

This is a 50% Lecture and 50% Lab Class. Students should expect equal time of lecture and open labs. During open labs (dates listed on the schedule) students are expected to come prepared with project materials to work on in class. Lectures could be comprised of lecture, presentations, discussions or critiques.

Students are required to spend an additional **5-10 hours per week** on development of projects **outside of class time**.

Course Objectives

- basics of Information Architecture for site planning and organization
- XHTML and CSS for dynamic web structure
- MySQL and simple SQL commands
- intro to dynamic web architecture within the php language (open source)
- Domain name, ISP and working with active server files.
- Understanding the uses of scripting, programming
- Small screen considerations

Prerequisites:

1) 7100:281-801 - Designing for the Web and Devices 1

2) The ability to:

- design and develop web pages and sites using standard, acceptable and appropriate XHTML and CSS
- publish files and sites to a server for public view

3) And have a:

- thorough working knowledge of Adobe Photoshop/Fireworks/Illustrator for web image/graphic generation
- working knowledge of Adobe Dreamweaver for web page template creation; web site structure, organization, maintenance and integration with Photoshop/Fireworks/Illustrator
- knowledge of Dreamweaver for page, link and site management

Required Supply List

- removable flash, jump drive or USB transfer drive, 2GB minimally
- sketchbook, wirebound, 5x7 or 7x10
- personal domain name, hosted within an acceptable dynamic environment (Linux, MySql, PHP) (custom solutions accepted)

Highly Suggested

- digital still camera, 6mpxl minimally

Required Reading

- There are no required texts.

Online Resources

<http://www.w3.org/>
<http://w3schools.com/>
<http://www.useit.com/>
<http://www.webstandards.org/>
<http://webprofessionals.org/>
<http://www.iainstitute.org/>
<http://www.ixda.org/>
<http://www.lynda.com>
Atomic Learning at <http://zipline.uakron.edu>
Dreamweaver Support Center at: <http://www.adobe.com/support/dreamweaver/>

Suggested Reading

Building Findable Websites: Web Standards SEO and Beyond
Aarron Walter
New Riders Press, February 23, 2008
ISBN-10: 0321526287

Mastering Integrated HTML and CSS
Virginia DeBolt
Sybex, February 20, 2007
ISBN-10: 047009754X

An Introduction to Web Design and Programming
Paul S. Wang, Sanda Katila
Course Technology/Cengage Learning, October 3, 2003
ISBN-10: 0534395287

HTML and CSS Web Standards Solutions A Web Standardistas' Approach
Christopher Murphy, Nicklas Persson
Apress, December 24 2008
ISBN: 978-1-43021-606-3

Designing With Web Standards, Second Edition
Jeffrey Zeldman
Peachpit Press, July 06, 2006
ISBN-10: 0-321-38555-1

Transcending CSS: The Fine Art of Web Design
Andy Clarke, Molly E. Holzschlag, Dave Shea
New Riders, November 15, 2006
ISBN-10: 0-321-41097-1

<designing web graphics.3>
Lynda Weinman
New Riders, March 1999
ISBN: 1-56205-949-1

Learning PHP, MySQL, and JavaScript:
A Step-By-Step Guide to Creating Dynamic Websites
Robin Nixon
O'Reilly Media
ISBN: 978-0596157135

Course Web Site - <http://markusvogl.com/web2>

Course Materials will be provided through download

All projects need to be hosted and presented via your personal URL.

Projects

The class is comprised of a total of five projects and continuous participation. Each student is required to maintain their own site. This site is to be updated and kept recent throughout the entire semester. All projects will be turned in via digital transfer and posted to your individual web sites for download. You will also keep a blog which is linked through your web site and updated every week.

Grading

The final grade is based on the following:

project 1 =	250pts
project 2 =	300pts
project 3 =	250pts
project 4 =	200pts
TOTAL =	1000pts

Resubmissions

Unless otherwise noted, project resubmissions will be accepted up to the final Instructional day of the semester. No late submissions will be accepted after this date.