

505 | Web Design: Advanced HTML and CSS

Thursday 6:00PM–9:00PM | Feb 6 to April 10, 2014 location: 112 Michigan Ave Room 917

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Course Description

This course focuses on a single large-scale web project created over the course of 10 weeks. Through this exercise, students learn how to adapt advanced HTML and CSS skills to real life web projects. Class lectures and demonstrations focus on HTML5 and CSS3 and the latest standards. Peer feedback through critiques and discussions are central to this hybrid studio/lecture course.

Prerequisites

Intermediate HTML and CSS.

Course Objectives/Outcomes

- have a deep understanding of HTML5 and CSS3
- ability to create a responsive and modern site from scratch
- ability to use a framework like Bootstrap or Kraken to rapidly develop a site
- ability to deploy a site for all screens, audiences, & browsers

Textbooks

none

Supplies

usb drive/ cloud storage

Evaluation

Participation: Process work, class critiques, class preparedness, attendance and work done in class

Faculty reserve the right to make changes and/or adjustments to the syllabus.

The mission of the Adult Continuing Education program is to provide excellence in adult multi-- disciplinary art and design education through studio, digital, academic, and museum exposure with the goal of building hands-- on and digital art making skills, developing creative and critical thinking skills, fostering expressive and conceptual capabilities, and providing structured, sequential learning pathways for personal and professional application in all areas and future fields of study.

Course Schedule

The class schedule is subject to change at the discretion of faculty based on necessary adjustments to specific activities relevant to this course. Updates to the schedule will be shared with the class as appropriate.

WEEK 1

Introductions

Review Syllabus / Overview of Advanced HTML & CSS

Breakdown of Web Resources

LECTURE: Getting over the hype.

- Buzzwords: HTML5, CSS3, Responsive etc.
- It's 2014. We're making sites that work.

HOMEWORK: Review course materials

WEEK 2

Getting up to speed

STUDIO: Building a site together

LECTURE: Site Structure - Grids, Media Queries, and Best Practices

STUDIO: Begin first site.

HOMEWORK: Work on first site.

WEEK 3

Audio/Video & HTML5 Canvas

LECTURE: Site Features for the Modern Web

STUDIO: Develop site map & list of desired features

HOMEWORK: Begin development of Final Project Site

WEEK 4

Front-End Frameworks

LECTURE: Developing with Rapid Deployment in Mind

STUDIO: CSS3 Advanced Topics Covered

- working on demo site provided by instructor

PDF HANDOUT: Advanced CSS3

HOMEWORK: Continue development of final site. Review handout

WEEK 5

CSS Animation

LECTURE: CSS animation, Interaction, & Parallax

STUDIO: Animation workshop

HOMEWORK: Finish CSS Animation / Continue development of final site

WEEK 6

JS & PHP

LECTURE: Steps to a Dynamic Site

STUDIO: Javascript playground / Data Logging

PDF HANDOUT: Client-Side Architecture

HOMEWORK: Continue development of final site

WEEK 7

Work Day

LECTURE(short): Web Apps

STUDIO: Work Day

HOMEWORK: Continue development of final site

WEEK 8

Site metrics & Management

LECTURE: SEO, Analytics, & Monitoring

STUDIO: Work on Final Site

HOMEWORK: Continue development of final site

WEEK 9

Debugging

LECTURE: Browser Tools & Cross-Browser Compatibility

STUDIO: Working on Final Site

HOMEWORK: Continue development of final site

WEEK 10

Next Steps

LECTURE: How HTML & CSS are invaluable skills once mastered

HOMEWORK DUE: Zip file of Final Site Including In-Class Projects

Policies

Accommodations for Students with Disabilities:

The School of the Art Institute of Chicago is committed to full compliance with all laws regarding equal opportunities for students with disabilities. Continuing Studies students with disabilities should call 312.629.6170 or email cs@saic.edu for further information.

Continuing Studies

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