505 | Web Design: Advanced HTML and CSS

Mondays & Wednesdays 6:00PM—9:00PM | July 7 to August 6, 2014 location: 112 Michigan Ave Room 917

Instructor Andrew Kaye
Email akaye@saic.edu
Phone 814.706.3554

Course Description
This course focuses on a single large-scale web project created over the course of 10 class sessions. 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

Site
http://notandrewkaye.github.io/Teaching/ahac.html

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 on the same page
- Catch up - Block Model, semantics, etc.
- Best Practices

HOMEWORK: Review course materials

WEEK 2

Getting up to speed
LECTURE: Responsive vs. Adaptive vs. Mobile
STUDIO: Building a site together
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
School of the Art Institute of Chicago
36 South Wabash Avenue, Suite 1440
Chicago, IL 60603
Phone: 312.629.6170
Fax: 312.629.6171
cs@saic.edu

Office hours: Monday – Friday, 8:30 a.m. – 4:30 p.m.