505 001 | Web Design: Advanced HTML and CSS
Sundays 10:00AM—1:00PM | October 4 to December 13, 2015 Location: Michigan 917

Instructor Kayla Lewis
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Course Description
This course focuses on a single large-scale web project created by the instructor over the course of 10 weeks. Through this exercise, students learn how to adapt skills they have learned to real life web projects. Class lectures and demonstrations introduce students to HTML 5 and CSS3, which students are encouraged to incorporate into their projects. Peer feedback through critiques and discussions are central to this hybrid studio/lecture course. Prerequisite: Intermediate HTML and CSS.

Prerequisite: Introduction to HTML and CSS

Course Objectives/Outcomes
Advanced understanding of HTML/CSS syntax and use
General understanding of how websites function
The ability to use external frameworks and libraries to build sites
A complete website that implements what's covered in the course

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
Refresher HTML/CSS: Semantics, how to set up a simple web page
Go over syllabus and begin brainstorming projects

Week 2
Advanced Syntax: CSS selectors and inheritance & HTML sections, articles, code blocks
Demo: Build a webpage using what we've just learned

Week 3
Resources: GitHub, Stack overflow, web inspector, console, inspirational sites
Lesson & Demo: CSS Transitions and Animations

Week 4
Responsive websites: Media queries, platforms, building dynamic grids, CSS frameworks
Demo: Make a site that changes layout from desktop to iPhone

Week 5
Designing usable forms: Form structure and types of fields, intro to jQuery
Demo: Make a dynamic form

Week 6
Using jQuery for visuals: HTML canvas, parallax and carousel effects
Demo: Build a page with crazy effects

Week 7
Intro to Javascript: Using Javascript to build forward and back buttons, "on click" actions
Demo: Build a website that can be easily navigated

Week 8
Data and how to use it: Data visualization, using external data, APIs
Demo: Use data to build a graph with d3.js

Week 9
Tying it all together: SEO, hosting, CMS, deploying site to web

Week 10
Finalize websites
Final critique

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.

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