Lab

The lab section is designed to provide you with the technical skills necessary to complete your studio projects. The goal is to introduce you to HTML, CSS and Javascript. The lab consists of a series of lectures, readings and short assignments. In addition to technical tools, we will learn two design programs: Sketch and Principle.

Each class meeting we will work on a small assignment which will be due the following class. This will be an opportunity for you to both learn various technical skills and experiment with design ideas. Each project will also conclude with a code review where you will be required to walk the class through your code as well as your design choices.

The readings for lab are sometimes static but often interactive; pulled from online sources such as Code Academy. The readings serve as teasers for the content that will be discussed in lecture.

CALENDAR
3 July, Mon, Week 1
Git, command line, HTML, Sketch
Assignment 1 / Concrete Tweet
— Learn To Code; Lessons 1–2
http://learn.shayhowe.com
— About Git; Beginner, Getting Started, Collaborating
https://www.atlassian.com/git/tutorials
— Code Academy; Learn the Command Line; Navigating the File System
https://www.codecademy.com/learn/learn-the-command-line

5 July, Wed, Week 1
Basic CSS, Positioning, Box Model
Assignment 2 / Personal Home Page
— Learn To Code; Lesson 3-6
http://learn.shayhowe.com

10 July, Mon, Week 2
Adding Media, Advanced Organization, Detailed Positioning, Complex Selectors
Assignment 3 / Coding from Life
— Learn To Code; Lessons 7–12
http://learn.shayhowe.com
— Code Academy; HTML & CSS
https://www.codecademy.com/learn/web
— Code Academy; Learn GIT
https://www.codecademy.com/courses/learn-git

12 July, Wed, Week 2
Responsive web design
Assignment 4 / Place&Space
— Learn To Code; Responsive Web Design; Lesson 4
http://learn.shayhowe.com
— Code Academy; Learn Responsive Design;

https://www.codecademy.com/courses/learn-responsive-design

17 July, Mon, Week 3
Full Review of HTML & CSS, Transforms & Animations
Assignment 4 / Finalize all first projects
— Learn To Code; Transitions & Animations
http://learn.shayhowe.com

19 July, Wed, Week 3
Intro to javascript, Principle

24 July, Mon, Week 4
Intro to jQuery

26 July, Wed, Week 4
jQuery, Frameworks, APIs

31 July. Mon, Week 5
Full Review of HTML, CSS, Javascript

2 August, Wed, Week 5
Final Review

RESOURCES
Tools
Sketch, https://www.sketchapp.com
Sublime Text, http://www.sublimetext.com
Github Pages, https://pages.github.com
Principle, http://principleformac.com
iTerm, https://www.iterm2.com

Learning
Code Academy, https://www.codecademy.com
Free Code Camp, https://www.freecodecamp.com
Learn HTML & CSS, http://learn.shayhowe.com
Learn Layout, http://learnlayout.com/
CSS Shapes, https://css-tricks.com/examples/ShapesOfCSS
MIT Code lectures, http://6.148.scripts.mit.edu/2015/lectures
Eloquent Javascript, http://eloquentjavascript.net
Learn Git, https://www.atlassian.com/git
Command Line Resource, https://www.lynda.com/Mac-OS-X-10-6-tutorials/
Unix-for-Mac-OS-X-Users/78546-2.html
Dev Docs, http://devdocs.io
Learn Developer Tools, http://discover-devtools.codeschool.com

Programming
Stack Overflow, https://stackoverflow.com