



GENERAL ASSEMBLY

Front End Web Development (FEWD)

May 25th - August 8th

Mondays and Wednesdays, 6:30 – 9:30pm

Instructor: Sarah Holden and Neema Oshidary

	LESSON	TOPIC	LEARNING OBJECTIVES
WEEK 1: HTML/CSS BASICS	1	<i>HTML Basics</i>	<ul style="list-style-type: none">› Articulate the role of HTML, CSS and JavaScript in front-end development.› Recognize the different roles and responsibilities in web development.› Apply and experiment with HTML tags.› Describe the DOM and draw a simple DOM tree.› Predict image paths and apply relative paths to <code></code> and <code><a></code> tags.
	2	<i>CSS Basics</i>	<ul style="list-style-type: none">› Describe the DOM and draw a simple DOM tree.› Predict image paths and apply relative paths to <code></code> and <code><a></code> tags.› Differentiate between basic web color principles: RGB, RGBA, hexadecimal color.› Use CSS to add basic styles to an HTML page.
WEEK 2: STYLING	3	<i>Box Model</i>	<ul style="list-style-type: none">› Select nested elements to apply styling› Differentiate between classes and IDs and apply best practices when implementing.› Apply and explain CSS “cascade” including: importance, specificity and inheritance.› Define CSS Box Model, and demonstrate the ability to properly manipulate the “box” around elements
	4	<i>Layout</i>	<ul style="list-style-type: none">› Differentiate between block and inline elements› Identify when HTML5 structural elements should be used› Apply header, footer, sidebar, and multi-column layouts to build a web page.› Experiment and predict effects of floats and clearing CSS positioning.
WEEK 3: PAGE LAYOUT	5	<i>Lab</i>	<ul style="list-style-type: none">› Practice web development by transforming a design comp into a webpage.
	6	<i>Lab/Review</i>	<ul style="list-style-type: none">› Practice web development by transforming a design comp into a webpage.

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WEEK 4: MULTIPLE SCREENS	13	<i>Responsive Basics</i>	<ul style="list-style-type: none"> Describe responsive design. Know the difference between fluid, fixed and responsive layouts Apply media queries to achieve a responsive layout.
	14	<i>Responsive Lab</i>	<ul style="list-style-type: none"> Learn how to analyze a web page in order to be able to redesign it responsively. Practice using media queries for responsive design.
WEEK 5: INTRO TO PROGRAMMING	7	<i>Intro to Programming</i>	<ul style="list-style-type: none"> Practice programmatic thinking by writing pseudo code to solve a basic problem. Define web site behavior and the practical uses of JavaScript. Predict DOM output / changes by reading JS code.
	8	<i>jQuery Basics</i>	<ul style="list-style-type: none"> Differentiate between jQuery and JavaScript, describe benefits of using them. Recognize jQuery syntax Use selectors and jQuery functions to effectively manipulate the DOM.
WEEK 6: JAVASCRIPT BASICS	9	<i>JS (Variables, Conditionals)</i>	<ul style="list-style-type: none"> Define variables and identify best cases to use them. Differentiate between strings, integers and floats. Apply conditionals to change the program's control flow
	10	<i>JS (Functions)</i>	<ul style="list-style-type: none"> Describe arguments as they relate to functions. Predict values returned by a given function.
WEEK 7: JAVASCRIPT CONTINUED	11	<i>JS (Arrays)</i>	<ul style="list-style-type: none"> Apply JS and jQuery knowledge to program a carousel. Define arrays Practice using indexes to access array elements
	12	<i>Lab</i>	<ul style="list-style-type: none"> Describe the concept of "this" as it applies within jQuery functions Apply programming skills to add interactions to a page

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WEEK 8: ANIMATION & LAB	15	<i>Animation & Advanced CSS Positioning Techniques</i>	<ul style="list-style-type: none"> › Identify and differentiate between different CSS positioning techniques › Familiarity with how animations and transitions can be used in CSS › Understand how animation can still be controlled using JS
	16	<i>Final Project Lab</i>	› In-class time to work on final project.
WEEK 9: FORM BASICS/ STUDENT'S CHOICE	17	<i>Form Basics</i>	<ul style="list-style-type: none"> › Be able to differentiate the different types of inputs and why/where we would use each › Explain how to group elements by name.
	18	<i>Students' Choice</i>	TBD
WEEK 10: FINAL PROJECTS	19	<i>Final Project Lab</i>	In-class time to work on final project.
	20	<i>Presentations</i>	Final Project Presentations