

## **Introduction to HTML/CSS (12 hours)**

### COURSE SYLLABUS

**Course Description :**In this introductory hands-on class you'll learn how to code HTML5 and CSS3 to create web pages. We use the popular (and free) Brackets HTML editor to make coding easier. You'll leverage some popular JavaScript libraries to add interactivity. And you'll learn to build responsive web pages that adjust for optimal display on mobile devices. No coding or programming experience is necessary.

**Course Objectives:** At the end of the course students will be able to:

- recognize and code the basic structure of a web page
- employ the most common structural elements (lists, tables, divs, and HTML5 semantic containers)
- style elements using CSS
- know the most common CSS selectors
- understand CSS box properties
- use images and HTML5 video
- implement responsive design

**Required Materials:** Students must bring their own Mac or PC laptop (iPads won't work). Class notes are available for purchase in class (\$5) and strongly recommended.

#### **Course Outline:**

- I. Day 1:
  - a. Introduction to HTML
  - b. CSS basics
  - c. EXERCISE: A simple web page
  
- II. Day 2:
  - a. Advanced CSS Selectors
  - b. EXERCISE : Format existing HTML
  
- III. Day 3:
  - a. EXERCISE: build a 4-page website from scratch
  
- IV. Day 4:
  - a. Complete the 4-page website
  - b. Add interactive JavaScript elements
  - c. Implement responsive design