**FRONT END WEB DEVELOPMENT COURSE SYLLABUS**

**Who this course is for:**

**1. ENTREPRENEURS AND STARTUPS**Gain the skills you need to prototype and develop the elements of your MVP or create a showcase for your product / idea.

**2. NEW CAREER**Looking to get into web development as a new career? Smart move!  
This skill set is in high demand, and can be learned without prior coding experience.

**3. UX DESIGNERS OR DATABASE DESIGNERS**Get practical skills to help realize your UX design, or supplement your knowledge of back end coding with functional user interfaces.

**4. NEW TO THE FIELD**  
As long as you have experience using a computer, you can learn how to use HTML, CSS and Javascript to build custom websites from scratch.

**Weekly Breakdown**

**Week 1**  
**Intro to HTML & CSS**  
Intro to Web Development   
HTML/CSS Basics  
­­­­­­­­­­­­­­­Advanced CSS: Complex Selectors   
Advanced CSS: The Box Model  
Bootstrap, Responsiveness, and Grid-Based Design

**Week 2**  
**Intro to Javascript**  
JavaScript & Computational Thinking   
Manipulating the DOM  
Conditional Statements & Loops   
Objects, Functions, & Arrays  
jQuery   
Version Control & Static Hosting

**Week 3**  
**Advanced Web Development**   
Programming Paradigms & Web Development   
AJAX & JSON  
Advanced jQuery   
jQueryUI

**Week 4**  
**Using APIs**   
Intro to Databases   
Object Oriented Javascript  
Portfolio Completion

**What This Course Is**

This course is meant to be a detailed introduction to the world of front-end web development, programming, and computational thinking. The final outcome is to design and build a website of your choice using HTML/CSS and JavaScript, along with more advanced frameworks such as Bootstrap and jQuery. A graduate of FEWD should be able to:

* Demonstrate understanding of all HTML/CSS and JavaScript topics covered throughout the course.  
  Apply knowledge gained during this course towards building a website from scratch. Incorporate frameworks and scripts in the design of a website that is compatible with modern browsers and devices
* We encourage creativity and improvisation - you do the dreaming, we’ll help you manage scope.

**What This Course Is Not**

… a full stack course. While we do touch upon some backend principles, such as databases, we do not focus on back end development.

… magic. It is very possible to become a proficient front-end web designer with no prior coding experience. However, you must ask good questions and you must put in the work. Our instructors are available out of class in order to help you along your journey. Furthermore, it is necessary you understand how a computer works, and are comfortable with its operation.

… a Wordpress tutorial. Wordpress is an excellent service, but we do not focus on templating here in our FEWD course.

… a hosting tutorial. We will make use of static hosting in order to put our work on the internet, but we do not focus on the use of paid services such as GoDaddy and BlueHost.