HackerYou Course Syllabus
Advanced Web Development

CLASS 1

Responsive Design, Transitions & Project One

Welcome to Advanced Web Development! No matter what device someone is using, you want them to have the best experience with your website. Using well thought-out HTML and CSS media queries, you will learn how to craft sites that rearrange and restyle elements based on what screen size your user is on. We'll also talk about adding transitions to links and hover states, which can take a design from flat and un-emotive to engaging and lively, adding to the user's experience.

CLASS 2

Flexbox, Transforms & jQuery Plugins

In this class, you'll learn how to use Flexbox - a modern CSS property that facilitates building flexible and dynamic layouts. We'll show you everything Flexbox can do through a series of code-alongs. CSS transforms allow us to modify the shape, position, and size of an element. We will look at how, combined with a bit of Javascript, the transform property can be used to build interactions.

CLASS 3

Office Hours

Students will have the class time to work on projects with the help of mentors.

CLASS 4

Animations, SCSS & Project Two

We've talked about transitions and transforms, and today we'll look at how keyframes are used to produce animations. We'll also learn how to give your CSS superpowers! SASS will help you extend the basic functionalities of CSS by adding features such as variables, nesting, and many more. This will create CSS that is more maintainable, organized, and modular.

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CLASS 5

Advanced Selectors

Now that you've mastered basic selectors, we're going to get more complex to help you do some pretty powerful effects without a programming language without the need of JavaScript.

CLASS 6

JavaScript, jQuery & Project Work Time

Today we're going to take a peek at JavaScript. This class will give you a pretty good idea of what JavaScript can do, and when we should use it. If you like, you can choose to continue your learning in our part-time JavaScript courses! In this class, students have the opportunity to troubleshoot with mentors and put the finishing touches on the final project.

CLASS 7

Getting your site online

As you begin to put your site together, it's time to talk servers, FTPs, and domains so you can put your finished project online.

PROJECT ONE
For this project, you will build a site from one of several provided design files. One of the best ways to become a better coder is to take an existing design and replicate it in HTML + CSS. This lets you focus solely on your code to improve your technical skills.

PROJECT TWO
Be as creative as you want in this final project! Make a personal website, a portfolio, or a client project. It must be responsive, and should integrate all the tools and tricks you've learned in this class. This is your time to shine. If you nail this project, you will be able to comfortably take on web projects after the course – perhaps even client work!