

# Web development course syllabus

## HTML and HTML5

Introduction on how the web works.

Understanding what is HTML and working with HTML files.

Understanding tags, attributes and doctype declaration.

Working with headings and paragraphs in HTML.

Understanding <iframe>, <anchor>, <img>, <blockquote> as well as adding basic text transformation through <b>, <u>, <i> in the web page.

Formatting the page with <br> and <hr>.

Working and understanding the <form> tag and it's sub tags such as <input>, <button>, <select> etc.

Structuring a web page using <div> and understanding the role of <span>.

Introduction to HTML5 and understanding the difference between HTML4 and HTML5.

Understanding semantic tags such as <header>, <article>, <nav>, etc.

Create web structures using HTML5 tags.

Working with on page SEO.

## CSS and CSS3

Introduction to CSS and working with types of CSS and properties.

Understanding CSS selectors and working with different types of colors in CSS.

Working with combinators.

Introduction to box model and setting up dimensions.

Working with texts and fonts, transforming the view with transform properties.

Understanding pseudo elements, classes.

Introduction to CSS3 and understanding new properties and CSS variables.

Working with shadows and filters.

Understanding displays, flexbox to create layouts.

RWD.

## Bootstrap

Introduction to Bootstrap.

Working with grid and understanding how flexbox works in bootstrap.

Understanding typography, utilities and helpers of bootstrap.

Working with forms and components to make your website dynamic.

## Bonus

Understanding minified versions of files.

Working with css animations and transitions.

Working with third party CSS libraries to add animations.