❊ DECODEMTL

SYLLABUS
HTML & CSS

COURSE OVERVIEW

Whether you are reading a simple article or using the most complex web app, every page you see in a browser is delivered as HTML and styled with CSS. This powerful duo is the foundation of front-end web development and the perfect place to start your coding journey.

In this course you will learn how to write clean, standards-compliant code, and you will become acquainted with the fundamentals of design geared specifically for the web. We will get you setup with a text editor on day one, and by the end of our 10 weeks together you will have created your first responsive website to present to the world.

LESSON 1: INTRO TO WEB DEVELOPMENT & HTML

- Defining a website
- Text editor basic configuration
- Defining HTML & syntax
- HTML basic document structure

LESSON 2: HTML ELEMENTS & ATTRIBUTES

- Typographic Elements
- Links
- Structural Elements
- Images
- Attributes

LESSON 3: INTRO TO CSS

- Defining CSS & the CSS rule
- Applying styles
- Basic selectors

LESSON 4: HOW CSS WORKS

- Inheritance
- The Cascade
- Specificity
- Styling links

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LESSON 5: SIZE & COLOUR

- Intro to dev tools
- Units of measure in CSS
- Width & height
- Margins & padding
- Colours

LESSON 6: BACKGROUNDS & IMAGES

- Borders & Gradients
- Background images
- Image file formats
- Preparing image for the web

LESSON 7: LAYOUT 1

- Display property
- Box Model
- Float Property

LESSON 8: LAYOUT 2

- Floats for layout
- Clearing floats
- Normalizing browser defaults

LESSON 9: LISTS & NAVIGATION

- List types
- Styling Lists
- Building navigation & menus

LESSON 10: TYPOGRAPHY & PSEUDO ELEMENTS

- Fonts & font-families
- Font rules in depth
- Web fonts
- Before & After pseudo elements

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LESSON 11: POSITION PROPERTIES

- Static
- Relative
- Absolute
- Fixed
- Sticky
- z-index
- Overflow

LESSON 12: GRIDS & FORMS

- Advanced Selectors
- Fluid layouts
- Creating & using grids
- Forms markup, styling, & accessibility

LESSON 13: RESPONSIVE DESIGN & MEDIA

- Media Queries & best practice
- Organizing code for responsive design
- Videos and images in responsive design

LESSON 14: VISUAL EFFECTS

- Transforms
- Transitions
- CSS Animation
- Browser Prefixing

LESSON 15: LAYOUT 3

- Flexbox Intro
- Flex container properties
- Flex item properties
- Defining the horizontal & vertical axis
- Flexbox centering techniques

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LESSON 16: LAYOUT 4

- Flexbox margins, columns & rows
- Aligning & justifying items
- Changing display order of items

LESSON 17: ICONS, SHADOWS, X-BROWSER TESTING

- Creating & using icon systems
- Text & box shadows
- Cross-browser testing & tools

LESSON 18: FUNDAMENTALS OF DESIGN

- Hierarchy
- Colour
- Typography
- Space
- Applying design fundamentals to the web
- Overview of industry tools

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LESSON 19: MAKING OUR WEBSITES LIVE!

- Domains
- Hosting
- FTP

LESSON 20: FINAL PROJECT PRESENTATIONS

- Project Presentations
- Parting words & next steps

ADDITIONAL NOTES

Projects
In addition to exercises, there are two projects assigned during the course.

SEO, Accessibility, & Design
Note that concerns for SEO and accessibility are at the heart of responsible HTML/CSS development. As such, these topics as well as design, are covered throughout the course in the form of best practice.