

Course Outline for HTML and CSS beginners

Week 1: Introduction to HTML

Day 1: HTML Basics

- Overview of HTML
- Structure of an HTML document
- Basic tags: ``<html>``, ``<head>``, ``<body>``, ``<title>``, ``<h1>`` - ``<h6>``, ``<p>`
- Creating a simple HTML document

Day 2: Working with Links and Images

- Adding links (``)
- Adding images (``)
- Image attributes (`alt`, `width`, `height`)
- Linking to external pages, internal pages, and anchors

Day 3: Organizing Content

- Creating lists (``, ``, ``)
- Using tables (`<table>`, `<tr>`, `<td>`, `<th>`)
- Organizing content with divs (`<div>`) and spans (``)

Week 2: Introduction to CSS

Day 1: CSS Fundamentals

- What is CSS? Linking CSS to HTML
- Basic syntax and selectors
- Applying colors and fonts (`color`, `font-family`, `font-size`)
- Text alignment and decoration

Day 2: Box Model and Layout

- Understanding the box model: `margin`, `padding`, `border`, `content`
- Width, height, and overflow properties
- Block vs. inline elements

- Using `display` properties (`block`, `inline`, `inline-block`, `none`)

Day 3: Positioning and Styling

- CSS positioning (`static`, `relative`, `absolute`, `fixed`)
- Floating elements and clearing floats
- Styling lists, tables, and forms

Week 3: Advanced HTML & CSS

Day 1: Responsive Design Basics

- Introduction to responsive design
- Media queries and breakpoints
- Fluid layouts with percentage-based widths
- Responsive images and text

Day 2: Advanced CSS Techniques

- Introduction to Flexbox
- Aligning and distributing space in flex containers (`justify-content`, `align-items`)
- Introduction to CSS Grid
- Using CSS transitions and simple animations

Day 3: Final Project

- Build a multi-page website that includes a homepage, an about page, and a contact page.
- Implement responsive design for various screen sizes.
- Use CSS techniques learned to style and animate the website.