Syllabus for HTML, CSS, and Tailwind CSS

HTML

1. Introduction to HTML

- What is HTML?
- Basic structure of an HTML document
- Doctype declaration
- Head and body sections
- Elements, attributes, and values

2. Text Formatting

- Headings (h1 to h6)
- Paragraphs (p)
- Line breaks (br)
- Horizontal rules (hr)
- Emphasis (em, strong)
- Text formatting (bold, italic, underline)

3. Links

- Anchor tag (a)
- Creating internal and external links
- Link attributes (href, target, title)

4. Images

- Image tag (img)
- Image attributes (src, alt, width, height)
- Image formats (jpg, png, gif)

5. Lists

- Unordered lists (ul, li)
- Ordered lists (ol, li)
- Description lists (dl, dt, dd)

6. Tables

- Table structure (table, tr, th, td)
- Table attributes (border, cellspacing, cellpadding)
- Table headers and data cells

7. Forms

- Form elements (form, input, textarea, select, button)

- Input types (text, password, email, number, date, etc.)

- Form attributes (action, method, name)

8. Semantic HTML

- Using semantic elements (header, nav, section, article, aside, footer)

- Improving accessibility and SEO

Recommended YouTube Tutorial:

- FreeCodeCamp - HTML Full Course

CSS

1. Introduction to CSS

- What is CSS?

- Linking CSS to HTML

- Internal, external, and inline styles

2. Basic Selectors

- Element selectors

- Class selectors

- ID selectors

- Universal selector

- Attribute selectors

3. Box Model

- Content, padding, border, margin

- Box-sizing property

4. Fonts

- Font properties (font-family, font-size, font-weight, font-style)

- Text properties (color, text-align, text-decoration)

5. Colors

- Color values (hex, rgb, rgba, hsl, hsla)

- Color properties (color, background-color)

6. Backgrounds

- Background properties (background-color, background-image, background-repeat, background-position)

7. Layout

- Display property (block, inline, inline-block)
- Positioning (static, relative, absolute, fixed)
- Float property
- Flexbox
- Grid

8. Responsive Design

- Media queries
- Responsive units (em, rem, vh, vw)

Recommended YouTube Tutorial:

- [Kevin Powell - CSS Crash Course For Absolute Beginners](#)

Tailwind CSS

1. Introduction to Tailwind CSS

- What is Tailwind CSS?
- Installation and setup
- Basic utility classes

2. Core Concepts

- Utility-first approach
- Responsive design with Tailwind
- Customizing Tailwind

3. Building Components

- Creating reusable components
- Using Tailwind's component framework

4. Advanced Techniques

- Responsive design patterns
- Dark mode
- Tailwind plugins

Recommended YouTube Tutorial:

- [Traversy Media - Tailwind CSS Crash Course](#)

Additional Tips:

- **Practice:** Build projects to solidify your understanding.
- **Experiment:** Try different approaches and learn from mistakes.
- **Stay Updated:** Keep up with the latest trends and technologies.
- **Collaborate:** Join online communities to learn from others.