

Course Outline

Introduction

- **What is CSS?**
 - Define & Uses
 - CSS vs HTML

Basic Concepts

- **Syntax and Selectors**
 - CSS syntax
 - Types of selectors (universal, type, class, ID)
- **Applying CSS**
 - Inline, internal, and external styles

Styling Text

- **Font Properties**
 - font-family, font-size, font-weight, font-style
- **Text Properties**
 - color, text-align, text-decoration, text-transform, line-height

Box Model

- **Understanding the Box Model**
 - Content, padding, border, margin
- **Dimensions**
 - width, height, max-width, min-width, max-height, min-height

Backgrounds and Borders

- **Background Properties**
 - background-color, background-image, background-repeat, background-position
- **Borders**
 - border, border-radius

Layout

- **Positioning**
 - `static`, `relative`, `absolute`, `fixed`, `sticky`
- **Flexbox**
 - Flex container and items, `justify-content`, `align-items`, `flex-direction`
- **Grid Layout**
 - Grid container and items, `grid-template-rows`, `grid-template-columns`, `grid-area`

Responsive Design

- **Media Queries**
 - Using media queries for responsiveness
- **Units**
 - Relative units (`%`, `em`, `rem`) vs. absolute units (`px`, `cm`)

Advanced Styling

- **Pseudo-classes and Pseudo-elements**
 - `:hover`, `:nth-child` &&& `::before`, `::after`
- **Transitions and Animations**
 - `transition`, `animation`, `keyframes`
- **Transformations**
 - `transform` (`scale`, `rotate`, `translate`)

Conclusion

- **Recap of Key Points**
- **Further Learning Resources**
 - Links to documentation