

Introduction to Web Development

Course Overview and Structure
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What is Web Development?

- Web Development is the process of creating websites and web applications.
- Involves both front-end (client-side) and back-end (server-side) development.
- This course covers HTML, CSS, JavaScript, and more.

Goals for the Semester

- Understand HTML, CSS, and JavaScript.
- Build responsive web pages.
- Introduction to Git and version control.
- Introduction to NextJS and DB.

Modules Breakdown

- Module 1: HTML & CSS Basics
- Module 2: JavaScript Essentials
- Module 3: Responsive Design
- Module 4: Introduction to Frameworks
- Module 5: Final Project

Weekly Breakdown

- Weeks 1-3: HTML & CSS Basics
- Weeks 4-6: JavaScript Essentials
- Weeks 7-8: Responsive Design
- Weeks 9-10: Introduction to Frameworks
- Weeks 11-12: Final Project Work and Review

Development Environment

- Code Editor: VSCode, Sublime Text
- Version Control: Git, GitHub
- Browser DevTools: Chrome, Firefox
- Online Code Sandbox: CodePen, JSFiddle

Participation and Collaboration

- Active Participation: Engage in discussions and activities.
- Collaboration: Work together on group assignments.
- Attendance: Regular attendance is crucial.
- Deadlines: Respect assignment deadlines.

Questions & Next Steps

- Questions?