**Web Development Course Structure (HTML, CSS, JavaScript)**

**HTML:**1. Introduction to HTML: Tags, elements, and structure  
2. HTML Document Structure: Head, body, and doctype  
3. Text Formatting: Headings, paragraphs, and emphasis

3.1 HTML Quotation and Citation Elements

3.2 HTML Comments

3.3 HTML Colors

3.4 HTML Styles - CSS  
4. Working with Links: Anchor tags and hyperlinks  
5. Working with Images: Image tags and attributes  
6. Lists: Ordered and unordered lists  
7. Tables: Creating tables and formatting data  
8. Forms: Form elements and input types  
9. Form Validation: Client-side form validation  
10. Multimedia: Audio and video elements  
  
**CSS:**11. Introduction to CSS: Syntax and selectors  
12. CSS Box Model: Margin, padding, and border  
13. Working with Colors: Color values and color schemes  
14. CSS Text Styling: Font properties and text formatting  
15. CSS Backgrounds: Background images and gradients  
16. Layouts: Positioning and float  
17. Flexbox: Creating flexible layouts  
18. Grid: Building grid-based layouts  
19. Responsive Design: Media queries and mobile-friendly layouts  
20. CSS Transitions and Animations  
  
**JavaScript:**21. Introduction to JavaScript: Basics and scripting  
22. Variables and Data Types: Declarations and assignments  
23. Control Flow: Conditional statements and loops  
24. Functions: Creating and calling functions  
25. Arrays: Working with arrays and array methods  
26. Objects: Creating and manipulating objects  
27. Document Object Model (DOM): Accessing and modifying HTML elements  
28. Event Handling: Responding to user actions  
29. Form Validation with JavaScript  
30. JSON and AJAX: Making asynchronous requests  
  
**HTML & CSS Integration:**31. Building a Simple Web Page: Combining HTML and CSS  
32. CSS Frameworks: Using Bootstrap or Foundation  
33. Responsive Web Design: Mobile-first approach  
34. Web Typography: Custom fonts and typography styles  
35. CSS Preprocessors: Introduction to Sass or Less  
36. CSS Transitions and Animations: Advanced techniques  
37. Optimizing Website Performance: Minification and compression  
38. Cross-Browser Compatibility: Handling browser inconsistencies  
39. Accessibility: Designing for all users  
40. Introduction to CSS Grid  
  
**JavaScript Advanced Concepts:**41. Scope and Closures: Understanding variable scope  
42. Object-Oriented Programming in JavaScript  
43. Error Handling: Try-catch statements  
44. Regular Expressions: Pattern matching and validation  
45. Asynchronous Programming: Promises and async/await  
46. Browser APIs: Geolocation, local storage, and more  
47. Fetch API: Making HTTP requests with fetch  
48-50. Final Project: Putting it all together and creating a web application