This course provides an in-depth introduction to the fundamental principles and skills necessary for effective web design. Participants will explore key concepts, tools, and techniques to create visually appealing and user-friendly websites. The course covers both design theory and practical skills, enabling students to build a strong foundation for their journey into web design.

Module 1: Understanding Web Design Basics

* Lesson 1: Introduction to Web Design
  + Definition of web design
  + Importance of user experience (UX) and user interface (UI) design
  + Overview of the web design process
* Lesson 2: Key Elements of Design
  + Color theory and its impact on design
  + Typography principles
  + Layout and composition basics

Module 2: Planning Your Website

* Lesson 3: Setting Objectives and Defining Target Audience
  + Identifying goals and purpose for the website
  + Understanding the target audience and tailoring design accordingly
* Lesson 4: Wireframing and Prototyping
  + Creating wireframes to plan layout and structure
  + Prototyping tools and techniques for design visualization

Module 3: HTML and CSS Fundamentals

* Lesson 5: Introduction to HTML
  + Basic HTML structure and tags
  + Understanding the Document Object Model (DOM)
* Lesson 6: Introduction to CSS
  + Styling elements with CSS
  + Selectors, properties, and values

Module 4: Responsive Web Design

* Lesson 7: Importance of Responsive Design
  + Overview of responsive web design
  + Media queries and flexible grids
* Lesson 8: Mobile-First Design
  + Designing for mobile devices
  + Progressive enhancement and graceful degradation

Module 5: Introduction to Design Tools

* Lesson 9: Overview of Design Software
  + Introduction to popular design tools (e.g., Adobe XD, Figma)
  + Choosing the right tool for the job
* Lesson 10: Working with Design Assets
  + Using images, icons, and other assets in web design
  + Optimizing assets for the web

Module 6: Introduction to Web Development Platforms

* Lesson 11: Content Management Systems (CMS)
  + Overview of popular CMS (e.g., WordPress, Joomla)
  + Understanding the role of CMS in web design
* Lesson 12: Website Hosting and Domain Management
  + Basics of domain registration and hosting
  + Selecting a hosting provider

Module 7: Launching and Maintaining Your Website

* Lesson 13: Website Launch Checklist
  + Testing and debugging
  + Launching and monitoring the website
* Lesson 14: Maintenance and Updates
  + Importance of regular updates
  + Monitoring site performance and security

By the end of this course, participants will have gained a solid understanding of web design principles and acquired practical skills to create well-designed, responsive websites. They will be equipped with the knowledge to plan, design, and launch their own web projects.