

Course Title: Website Designing Syllabus

Course Description: This course provides an in-depth understanding of website designing principles and techniques. Students will learn how to create visually appealing, user-friendly websites using HTML, CSS, JavaScript, and other relevant technologies. The course covers topics such as web design principles, responsive design, UI/UX considerations, and best practices in modern web development.

Prerequisites: Basic computer literacy and familiarity with internet usage. No prior programming experience required.

Course Objectives:

1. Understand the fundamental concepts of website design and development.
2. Learn how to create static and dynamic web pages using HTML and CSS.
3. Gain proficiency in designing responsive websites for various devices.
4. Develop skills in enhancing web interactivity using JavaScript and jQuery.
5. Explore UI/UX design principles and best practices for effective user engagement.

Course Outline:

1. Introduction to Website Designing

- History and evolution of the internet
- Basics of web development technologies
- Overview of web browsers and web servers

2. HTML Basics

- Structure of HTML documents
- HTML elements and attributes
- Text formatting and multimedia embedding

3. CSS Basics

- Introduction to CSS
- CSS syntax and selectors
- Applying styles to HTML elements

4. Advanced HTML and CSS

- HTML5 semantic elements
- CSS layout techniques (floats, flexbox, grid)
- Responsive design principles and media queries

5. JavaScript Fundamentals

- Introduction to JavaScript
- JavaScript syntax and data types
- Variables, operators, and control structures

6. DOM Manipulation with JavaScript

- Understanding the Document Object Model (DOM)
- Accessing and modifying HTML elements
- Event handling and responding to user interactions

7. Introduction to jQuery

- Overview of jQuery library
- jQuery selectors and DOM manipulation
- Handling events with jQuery

8. Creating Interactive Forms

- Designing HTML forms
- Form validation using JavaScript
- Styling form elements with CSS

9. Introduction to UI/UX Design

- Understanding user interface (UI) design principles
- Basics of user experience (UX) design
- Designing for accessibility and usability

10. Web Graphics and Multimedia

- Basics of web graphics (images, SVGs)
- Embedding multimedia content (audio, video)
- Optimizing graphics for web performance

11. Website Optimization and Performance

- Techniques for improving website performance
- Minification and compression of CSS and JavaScript
- Image optimization and lazy loading

12. Introduction to Content Management Systems (CMS)

- Overview of popular CMS platforms (WordPress, Joomla, Drupal)
- Installing and configuring a CMS
- Customizing website themes and templates

Assessment:

- Weekly assignments to reinforce learning concepts.
- Midterm project: Designing a static website with HTML, CSS, and basic JavaScript.
- Final project: Developing a dynamic and responsive website with advanced features using HTML, CSS, JavaScript, and jQuery.

Textbook: "HTML and CSS: Design and Build Websites" by Jon Duckett

Additional Resources:

- Online tutorials and documentation (MDN Web Docs, CSS-Tricks, JavaScript.info, etc.).

- Design resources and articles on UI/UX design principles (Smashing Magazine, UX Planet, Nielsen Norman Group, etc.).

Grading:

- Assignments: 30%
- Midterm Project: 20%
- Final Project: 40%
- Participation and Attendance: 10%

Attendance Policy: Regular attendance is expected. Students are allowed a maximum of three unexcused absences. Excessive absences may result in a reduction of the final grade.

Office Hours: Instructor office hours will be held twice a week for additional help and clarification.

Csdtd Centre