

Web Designing Course Syllabus by 10Pie

👉 Whether you want to start your IT career or looking for guidance on how to plan your future career path, [10Pie](#) is your learning hub for tech career knowledge.

Here's a Web Designing course syllabus at a glance:

Sl. No.	Module Name	Topic	Projects
1	Introduction to Web Design	Introduction to Web Design, Importance of web design, Web Design Principles, Web Design Process	-Create a simple landing page for a fictional company, including a hero image, headline, and call-to-action.
2	HTML and CSS Fundamentals	HTML Basics, CSS Basics, HTML and CSS Best Practices	-Create a simple recipe website with 3-5 recipes
3	Advanced HTML and CSS	HTML5 Semantic Elements, Advanced CSS Selectors, CSS Preprocessors (Sass or Less)	-Create a simple blog website with 3-5 blog posts -Create a simple e-commerce website with 5-10 products.
4	Responsive Web Design	Responsive Web Design Principles, Mobile-First Design, Advanced Responsive Web Design Techniques	-Create a simple portfolio website with 3-5 projects -Create a simple news website with 5-10 articles.
5	JavaScript and DOM	JavaScript Fundamentals, DOM Manipulation, Advanced JavaScript Concepts	-A simple to-do list app, Simple weather app that displays the current weather and forecast.
6	Web Design Tools and Software	Adobe Creative Cloud, Sketch and Figma, Web Design Workflow and Version Control	-Create a simple branding design for a fictional company, including a logo, color palette, and typography, A simple UI/UX design for a mobile app.
7	Web Design Principles and Best Practices	Web Design Principles, Web Accessibility and Usability, Web Design Trends and Best Practices	-Create a simple accessibility-focused website -Create a simple website that follows user experience (UX) principles.

8	Web Development Frameworks and Libraries	Front-End Frameworks, Bootstrap and Materialize, Advanced Front-End Development Techniques	-Create a simple React or Angular app, -Create a simple Vue.js app with a simple CRUD (Create, Read, Update, Delete) functionality.
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Module 1: Introduction to Web Design

Introduction to Web Design

- Importance of web design

Web Design Principles

- Web design principles (e.g., balance, contrast, emphasis, movement, pattern, unity)
- Applying web design principles to create visually appealing designs

Web Design Process

- Research
- Planning
- Design
- Development
- Testing
- Web design project plan and timeline

★ Hands-on projects to practice:

- Create a simple landing page for a fictional company, including a hero image, headline, and call-to-action.

Module 2: HTML and CSS Fundamentals

HTML Basics

- Introduction to HTML
- HTML structure and syntax
- Creating basic HTML pages

CSS Basics

- Introduction to CSS
- CSS selectors, properties, and values
- Creating basic CSS styles

HTML and CSS Best Practices

- Understanding HTML and CSS best practices
- Writing clean, semantic, and accessible HTML and CSS code

★ Hands-on projects to practice:

- Create a simple recipe website with 3-5 recipes

Module 3: Advanced HTML and CSS

HTML5 Semantic Elements

- HTML5 semantic elements
- Using header, nav, main, section, article, aside, footer, and figure elements

Advanced CSS Selectors

- pseudo-classes and pseudo-elements
- CSS selectors (e.g. :nth-child, :first-child, :last-child)

CSS Preprocessors (Sass or Less)

- Using variables
- Mixins
- Functions in Sass or Less

★ Hands-on projects to practice:

- Create a simple blog website with 3-5 blog posts
- Create a simple e-commerce website with 5-10 products.

Module 4: Responsive Web Design

Responsive Web Design Principles

- Responsive Web Design Principles
- Creating responsive layouts using CSS media queries

Mobile-First Design

- Understanding mobile-first design approach
- Creating mobile-friendly layouts using CSS media queries

Advanced Responsive Web Design Techniques

- Using flexbox
- Grid layouts
- Creating responsive images and videos

★ **Hands-on projects to practice:**

- Create a simple portfolio website with 3-5 projects.
- Create a simple news website with 5-10 articles.

Module 5: JavaScript and DOM

JavaScript Fundamentals

- Understanding variables
- Data types
- Operators
- Using control structures (if/else, switch, loops)

DOM Manipulation

- Document Object Model (DOM)
- JavaScript to manipulate the DOM (e.g., creating, removing, and modifying elements)

Advanced JavaScript Concepts

- Object-oriented programming in JavaScript
- Closures and higher-order functions

★ **Hands-on projects to practice:**

- A simple to-do list app
- Simple weather app that displays the current weather and forecast.

Module 6: Web Design Tools and Software

Adobe Creative Cloud

- Using Photoshop and Illustrator for web design

Sketch and Figma

- Using Sketch and Figma for UI/UX design

Web Design Workflow and Version Control

- Understanding web design workflow and version control
- Using Git and GitHub for version control

★ **Hands-on projects to practice:**

- Create a simple branding design for a fictional company, including a logo, color palette, and typography.
- A simple UI/UX design for a mobile app.

Module 7: Web Design Principles and Best Practices

Web Design Principles

- Balance
- Contrast
- Emphasis
- Movement
- Pattern
- Unity
- Applying web design principles to create visually appealing designs

Web Accessibility and Usability

- Web accessibility and usability principles
- Creating accessible and usable web designs

Web Design Trends and Best Practices

- Current web design trends and best practices
- Applying web design trends to create modern and effective designs

★ **Hands-on projects to practice:**

- Create a simple accessibility-focused website.
- Create a simple website that follows user experience (UX) principles.

Module 8: Web Development Frameworks and Libraries

Front-End Frameworks

- Introduction to front-end frameworks (React, Angular, Vue)
- Understanding the basics of each framework

Bootstrap and Materialize

- Introduction to Bootstrap and Materialize
- Using Bootstrap and Materialize for rapid prototyping and development

Advanced Front-End Development Techniques

- Using Webpack and Babel for front-end development
- Understanding advanced front-end development techniques (e.g., code splitting, lazy loading)

★ Hands-on projects to practice:

- Create a simple React or Angular app.
- Create a simple Vue.js app with a simple CRUD (Create, Read, Update, Delete) functionality.

Diploma Web Designing Course Syllabus

The Diploma in Web Design is a comprehensive program designed to provide practical skills in web design, development, and management.

Typically lasting 6 months to 1 year, it is suitable for those seeking a focused introduction to web design. Eligibility criteria include at least 55% marks in the H.S.C examination in any stream from a recognised board.

The cost of a diploma in web designing in India can range from ₹5,000 to ₹3 lakh, depending on the institution and location.

Here is the syllabus for the Diploma in Web Design Course semester-wise.

Semester	Topic	Description
1	Introduction to Web Design	Introduction to web design and its importance, principles of web design (balance, contrast, emphasis, movement, pattern, unity), web design process (research, planning, design, development, testing, launch), web design tools and software (Adobe Creative Cloud, Sketch, Figma, etc.)
	HTML and CSS Fundamentals	Introduction to HTML and CSS, HTML structure and elements (header, nav, main, section, article, aside, footer), CSS selectors, properties, and values, styling HTML elements with CSS, introduction to CSS preprocessors (Sass, Less)
	Advanced HTML and CSS	HTML5 semantic elements (header, nav, main, section, article, aside, footer), advanced CSS selectors (pseudo-classes, pseudo-elements), CSS layout and positioning (flexbox, grid, etc.), responsive web design using CSS media queries, introduction to CSS frameworks (Bootstrap, Materialize, etc.)

	Responsive Web Design	Principles of responsive web design, designing for mobile-first and desktop-first approaches, using CSS media queries to create responsive designs, responsive images and videos, introduction to responsive web design frameworks (Bootstrap, Materialize, etc.)
2	JavaScript and DOM	Introduction to JavaScript and its role in web design, JavaScript basics (variables, data types, functions, etc.), working with the DOM (Document Object Model), JavaScript events and event listeners, introduction to JavaScript libraries and frameworks (jQuery, React, etc.)
	Web Design Tools and Software	Introduction to web design tools and software (Adobe Creative Cloud, Sketch, Figma, etc.), using design systems and style guides, creating wireframes and prototypes, designing for accessibility and usability, introduction to UI/UX design principles
	Web Design Principles and Best Practices	Web design principles (balance, contrast, emphasis, movement, pattern, unity), web design best practices (accessibility, usability, performance, etc.), designing for different devices and screen sizes, designing for different browsers and versions, introduction to web design trends and emerging technologies
	Web Development Frameworks and Libraries	Introduction to web development frameworks and libraries (React, Angular, Vue.js, etc.), using Bootstrap or Materialize to style web applications, introduction to front-end build tools (Webpack, Gulp, etc.), introduction to back-end development (Node.js, Ruby on Rails, etc.)
	Web Design Project	Applying web design principles and best practices to a real-world project, designing and developing a comprehensive web design project, creating a visually appealing and effective design, writing a case study for the project
	Advanced Web Design Topics	Web performance optimization (caching, minification, compression, etc.), web security best practices (HTTPS, SSL/TLS, secure coding practices, etc.), progressive web apps (PWAs) and modern web technologies, introduction to artificial intelligence (AI) and machine learning (ML) in web design
	Emerging Trends and Technologies	Introduction to emerging trends and technologies in web design, creating a simple AI-powered chatbot, creating a simple augmented reality (AR) experience using WebXR, introduction to virtual reality (VR) and mixed reality (MR) in web design
	Final Project and Portfolio Development	Creating a comprehensive web design portfolio, designing and developing a visually appealing and effective portfolio website, writing a case study for each project, highlighting role, responsibilities, and accomplishments, preparing for a career in web design and development

Bachelor of Science in Web Designing course syllabus:

The Bachelor of Science in Web Design is a 4-year undergraduate program that equips students with the knowledge and skills to design, develop, and manage websites and web applications.

You must complete 12th grade with a minimum of 45-60% marks, including Mathematics.

Here is the B.Tech in Web Design syllabus semester-wise.

Semester	Subject Code	Topic	Description
1	WD101	Introduction to Web Design	Principles of web design, web design process, web design tools and software
	CS101	Computer Fundamentals	Introduction to computer systems, hardware, software, and networking
	VD101	Visual Design Fundamentals	Principles of visual design, color theory, typography, and composition
	COM101	Communication Skills	Effective communication, writing, and presentation skills
2	WD102	HTML and CSS Fundamentals	HTML structure and elements, CSS selectors, properties, and values
	GD102	Graphic Design	Graphic design principles, Adobe Creative Cloud (Photoshop, Illustrator, etc.)
	HCI102	Human-Computer Interaction	Human-centered design, user experience (UX) principles, and usability
	MATH102	Mathematics for Web Design	Mathematical concepts for web design, algebra, geometry, and trigonometry
3	WD201	Advanced HTML and CSS	HTML5 semantic elements, advanced CSS selectors, responsive web design
	JS201	JavaScript Fundamentals	Introduction to JavaScript, variables, data types, functions, and events
	WDP201	Web Design Principles and Best Practices	Web design principles, web design best practices, designing for different devices and screen sizes
	DM201	Digital Media	Digital media principles, audio, video, and animation for web design

4	WD202	Web Development Frameworks and Libraries	Web development frameworks and libraries, using Bootstrap or Materialize
	DB202	Database Management Systems	Introduction to database management systems, data modeling, and normalization
	WDP202	Web Design Project 1	Applying web design principles and best practices to a real-world project
	ELEC201	Elective 1	Choose one: Web Accessibility, Web Security, or Web Analytics
5	WD301	JavaScript and DOM	Working with the DOM, JavaScript events and event listeners, and JavaScript frameworks
	WDP301	Web Design Project 2	Applying web design principles and best practices to a real-world project
	ELEC202	Elective 2	Choose one: Front-end Development, Back-end Development, or UI/UX Design
	INT301	Internship	Industry internship or project-based learning
6	WD302	Advanced Web Design Topics	Web performance optimization, web security best practices, progressive web apps (PWAs)
	ETT302	Emerging Trends and Technologies	Emerging trends and technologies in web design, AI-powered chatbots, augmented reality (AR) experience
	WDP302	Web Design Project 3	Applying web design principles and best practices to a real-world project
	ELEC303	Elective 3	Choose one: Web Development, Mobile App Development, or Digital Marketing
7	WDP401	Web Design Project 4	Applying web design principles and best practices to a real-world project
	ELEC401	Elective 4	Choose one: E-commerce Web Development, Web Application Development, or Web Services
	R&D401	Research and Development	Research and development in web design, emerging trends and technologies

	ENT401	Entrepreneurship	Entrepreneurship and innovation in web design, startup ecosystem
8	WDP402	Final Project and Portfolio Development	Creating a comprehensive web design portfolio, designing and developing a portfolio website
	CD402	Career Development	Career development, resume building, and job preparation

Master of Science in Web Design course syllabus:

The Master of Science in Web Design is a 2-year postgraduate program that provides advanced knowledge and skills in web design, development, and management. A Bachelor's degree in Computer Science, Information Technology, or related fields with a minimum of 50-60% marks is required.

Semester 1:

Course Code	Course Title
WD501	Web Design Fundamentals
WD502	Human-Computer Interaction
WD503	Web Development Tools and Technologies
WD504	Web Design Principles and Practices

Semester 2:

Course Code	Course Title
WD505	User Experience (UX) Design
WD506	Web Analytics and Optimization
WD507	Responsive Web Design
WD508	Web Security and Accessibility

Semester 3:

Course Code	Course Title
WD509	Advanced Web Development
WD510	Web Application Development
WD511	Digital Marketing and E-commerce
WD512	Research Methodologies in Web Design

Semester 4:

Course Code	Course Title
WD513	Project Development and Implementation
WD514	Elective (Choose one): Artificial Intelligence in Web Design or Web of Things (IoT)

Web Designing course subjects and topics to learn

HTML

HTML or Hyper Text Markup Language used for website creation. It helps define headings, paragraphs, links, images, and other elements, ensuring that web browsers display website content correctly.

HTML elaborates the general structure of webpages, including its designs, tags, etc. You need to learn the structure, tags, and elements of HTML, the use of forms and tables, semantic elements, multimedia integration, API support, hyperlinking, and other essential topics required for webpage design.

CSS

To style the website and enhance the overall presentation, you need to learn CSS or Cascading Style Sheets. It consists of learning layout, fonts, colors, and themes, knowledge of CSS

components including selector, attributor, and value, and styling table elements, grid elements, and images.

CSS is a collection of rules that instruct the web browser how to display any document written in XML or HTML. It doesn't use HTML but functions independently and can create a webpage that adapts to different environments.

JavaScript

This is a scripting language that adds interactivity to websites.

With knowledge of JavaScript, you can create and control dynamic website content, create interactive forms, and display information depending on user input. JavaScript enhances the user experience of your website by enabling features like form validation, animations, and dynamic content updates.

You need to learn the basics of JavaScript, including its variables, data types, operators, conditional statements, loops, DOM manipulation, event handling, and other modern JavaScript ES6+ features. This is a client-side scripting language which means you can execute it on the user's web browser.

Bootstrap

It is a front-end web development framework that is associated with HTML, CSS, and JavaScript. Bootstrap uses all this knowledge to create a responsive website. It is a free and open source framework and anyone developing web applications can use it.

You can use different classes of Bootstrap, like “.d-none” or “.d-md-block,” etc., to hide, show, or style elements based on screen size.

jQuery

You must learn jQuery to simplify the website development process. It is a Javascript library with multiple features to perform tasks like HTML document traversal and manipulation, event handling, and Ajax with an easy-to-use API that works across multiple browsers.

Minimalism

This is a hot topic in the web designing domain. You must learn to design websites with minimal elements, clean designs, or less content that supports user tasks. For that, you need to know the consequences of minimal aspects on the user interface and the site content.

You will find most minimalist web interfaces using limited or monochromatic color palettes to create visual interest or direct attention to the content without the use of excess design elements or graphics. There are multiple concepts you need to learn here, such as the use of

negative spaces, restricted features and elements, flat patterns and textures, dramatic typography, large background images, etc.

Neumorphism

It is a combination of minimalism and skeuomorphism that uses shadows, and gradients to create a 3D feel of any website and a soft visual look. Skeuomorphism refers to the design concept that mimics real-world objects to make users easily identify elements in the design and fulfill specific requirements.

You need to learn this concept so that you can add depth to your web design and improve user interaction by offering a realistic appearance to the interface. It creates a new trend of “Soft UI” in the web designing industry.

Adobe Dreamweaver

It is an exciting web designing tool that can help you design and create a website without coding knowledge and only with the basics of HTML and CSS. However, to run this application you need a little knowledge of a programming language.

Adobe Flash

This is a core vector animation tool that allows you to create interactive web pages and use animations on them. You can use them to make advanced web designs.

Content management system

You can use any CMS tool to create, manage, and modify content on a website without the requirement for coding knowledge. These tools, like WordPress, Joomla, and Drupal, simplify website maintenance, creating and modifying themes, using plugins, managing media, and updating content.

Basic SEO

Understanding of basic SEO is needed for web designers to create and optimize websites to get a higher rank on search engine results and drive organic traffic. You can learn on-page like keyword usage, meta tags, etc., content optimization, performance optimization, off-page SEO, etc.

For more information about different career paths check out our detailed [Software Engineering Career](#), [Solutions Architect Career](#), [Cloud Computing Career](#), [Data Science Career](#), [Python Career](#), [Artificial Intelligence Career](#), [Software Testing Career](#), [DevOps Career](#), and [Data Engineer Career](#) guides.

Web designing course fees and duration 2024

What is the course fee for web designing courses?

The course fee for web designing courses is between ₹10,000 and ₹1.5 Lakhs. However, you can find courses above or below this range, and even some courses for free, depending on multiple factors.

For example, type of course, syllabus, course features, reputation and location of the institute, services offered, certification value, placement assistance, etc. Reputed institutions located in the tier-1 cities of India charge higher web designing course fees than other cities due to their extensive resources, reputation, and location.

Web Designing Course duration

Web designing courses can be 1 month to 4 years, depending on the type of course you are enrolling for. If it is a certificate course, it can be between 1 month to 3 months, but for UG courses, it is 3 to 4 years, and PG courses are 2 years generally.

There are multiple other self-paced courses that allow you to learn at your own convenience and complete them within your timeframe.

Other reasons that affect the course duration are the syllabus, number of practical sessions, duration of each class and number of classes in a week, and the trainer's pace of teaching.

Who is eligible for Web design courses?

If you want to enroll in any online training course for Web Designing, there are no such criteria or eligibility. However, knowing the basics of computers and data science fundamentals will be helpful.

For academic courses that include web designing as a subject, here are the criteria:

- **Diploma in Web Designing:** 10+2 (Higher Secondary) in any stream with a minimum of 45-50% marks
- **Undergraduate in Web Design:** 10+2 (Higher Secondary) in Science, Commerce, or Arts with a minimum of 50% marks.
- **Postgraduate in Web Designing:** Bachelor's degree in Computer Science, Information Technology, or related fields with a minimum of 50-60% marks.