



# Become HTML5 Specialist

## Duration: 1 Month

Course helps audience to become HTML5 specialist with learning various modules. Course includes, HTML5 for Beginners, HTML5 Advanced API, jQuery and Building apps for Android and iOS. At the end of the course participants will be able to create responsive site and apps for Multiple devices.

## Eligibility / Audience:

This course is for people new to web design and development or existing web developers who want to use HTML 5 and CSS3 to build intuitive, attractive and accessible web sites.



# HTML5 for Beginners



## Course Outline

### Unit 1: Introduction to the Web

- Browsers & Server
- What is HTML, XHTML & HTML5?
- What is CSS?
- Browser Support available
- Creating a folder structure for a site

### Unit 2: Getting started in HTML5

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- Doctype
- Basic tags
- Attributes
- HTML Entities
- Container vs Standalone Tags
- Block vs Inline Tags
- Using Images in HTML
- Using Tables
- Creating Links

### Unit 3: Getting started with CSS

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- What is CSS
- CSS concept
- Types of CSS
- CSS Syntax

### Unit 4: Working with DIV

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- Understanding Margin & Padding
- Using Float Property
- Positioning Elements
- Using display property

### Unit 5: CSS Selectors

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- .class
- #id
- \*
- Element selector
- Group selector
- Descendant selector
- Child selector
- Attribute selector
- Pseudo selector
- Pseudo Element Selector





# HTML5 for Beginners



## Unit 6: Converting PSD To HTML

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- Creating Web Layout
- Slicing

## Unit 7: Using HTML5 Semantic Tags

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- Creating layout using new HTML5 tag
- Applying Fallback support for older browser

## Unit 8: HTML5 Media Support

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- Audio
- Video

## Unit 9: HTML5 Form 2.0

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- HTML5 new form elements
- HTML5 new attributes

## Unit 10: CSS3 Properties

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- Text Properties
- Web Font
- Box Properties
- Transparency
- Multiple Backgrounds
- Gradients
- Transforms, Transitions and Animations

## Unit 11: Using Sprites

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- What is Sprites?
- Building Navigation using CSS & Sprites
- Working with Sprites

## Unit 12: Creating responsive site using Media Queries & Grids

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- What is Media Queries?
- Working with Grid layouts
- Types of media
- Types of grid layout & frameworks
- Applying condition with CSS
- Creating layout for desktop browser, tablet & mobile





# HTML5 for Beginners



## Unit 13: Working with Twitter Bootstrap

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- What is Twitter Bootstrap
- Working with grids
- Styling page elements
- Applying Navigation
- Working with JavaScript

## Unit 14: Working with LESS and Sass

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- What is LESS and Sass
- Working with LESS variables and operator
- Defining nested CSS rules
- LESS built-in function
- Working with Sass variables and operator
- Defining nested CSS rules
- Importing external files





## Responsive Web Design



### Course Outline

#### Unit 1: Introduction to Responsive Design

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- What is Responsive Design
- Why we required?

#### Unit 2: Common Concepts of Responsive Design

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- Working with Viewport
- Method of handling Viewport
- Densities
- Working with Fluid Grid
- Method of handling Viewport
- Importing external files
- MediaQueries
- Making Image responsive
- Create design for Retina display





**Adobe Dreamweaver CC**



## Course Outline

**Unit 1. Customizing Your Workspace**

**Unit 2. HTML Basics**

**Unit 3. CSS Basics**

**Unit 4. Creating a Page Layout**

**Unit 5. Working with Cascading Style Sheets**

**Unit 6. Working with Templates**

**Unit 7. Working with Text, Lists, and Tables**

**Unit 8. Working with Images**

**Unit 9. Working with Navigation**

**Unit 10. Adding Interactivity and Mobile applications**

**Unit 11. Working with Web Animation and Video**

**Unit 12. Working with Forms**

**Unit 13. Working with Online Data**

**Unit 14. Working with Code**

### **Assignment:**

**1. Create Responsive Micro-site**









## Course Outline

### Unit 1: Getting Started with jQuery

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|-----------------------------------|---|
| What is jQuery?                   | • Creating a simple jQuery-enabled page |
| Downloading and installing jQuery | • Overview of jQuery's features         |

### Unit 2: jQuery with HTML Page Content

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|-----------------------------------|---|
| Overview of selectors and filters | • Child, visibility, and content filters  |
| Using basic jQuery selectors      | • Form selectors and filters              |
| Using basic jQuery filters        | • Understanding jQuery statement chaining |

### Unit 3: Manipulating Page Content

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|--|---|
| Creating, getting, and setting content | • Wrapping, replacing, and removing content |
| Manipulating attributes                | • Working with CSS                          |
| Inserting content                      |   |

### Unit 4: Working with Events

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|--|--------------------------------------|
| Understanding the jQuery event handling features | • Using the jQuery event object      |
| Binding and unbinding events                     | • Using miscellaneous event features |
| Convenient event helper methods                  |                                      |

### Unit 5: Creating custom animations with jQuery

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|-----------------------------|------------------------------|
| Hiding and showing elements | • Sliding elements           |
| Fading elements in and out  | • Creating custom animations |

## Unit 6: Using the jQuery UI Plug-In

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Introduction to jQuery UI

Exploring the jQuery UI widgets

Exploring the jQuery UI effects

- Using the jQuery UI ThemeRoller
- Downloading and installing jQuery UI

## Unit 7: Using widget and effects with jQuery

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Using the accordion widget

Creating an image rotator

- Building hover tooltips
- Making an image selector



## Building apps for Android and iOS



Know Tomorrow Today

### Course Outline

Unit 1. Introduction to Mobile app development

Unit 2. Introduction to jQuery Mobile

Unit 3. Creating Mobile application from scratch

Unit 4. Creating web forms for Mobile

Unit 5. Working with jQuery Mobile themes

Unit 6. Rapid Deployment with jQuery Mobile Widgets

Unit 7. Integrating geolocation data with Google Maps

Unit 8. Previewing an app in Device Central

Unit 9. Configuring Dreamweaver for Android

Unit 10. Configuring Dreamweaver for iOS

