**Syllabus Covered (HTML 4.01)**

* Introduction of different Web Technology
* Introduction
* HTML Elements
* HTML Attributes
* HTML Headings
* HTML Paragraphs
* HTML Formatting
* HTML Fonts
* HTML Styles
* HTML Links
* HTML Images
* HTML Tables
* HTML Lists
* HTML Forms
* HTML Iframes
* HTML Colors
* HTML Colornames
* HTML Colorvalues
* HTML Layout
* HTML Doctypes
* HTML Head
* HTML Meta
* HTML Scripts
* HTML Media
* HTML Audio
* HTML Object
* HTML Video
* HTML YouTube
* HTML Media Tags
* HTML Summary

**Syllabus Covered (HTML5)**

**History, Vision & Future of HTML5**

* What Is HTML5?
* History And Major Actors
  + A Little Retrospective
  + What Is The W3C?
  + What Is The WHATWG?
* Vision And Philosophy Behind HTML5
  + Compatibility
  + Utility
  + Interoperability
  + Universal Access
* Future Of HTML5
  + Timeline

**Getting Started With HTML5**

* The State Of Browser Support
* Feature Detection
* Support For Legacy Browsers
  + Graceful Degradation
  + Emulation
* Developer Touls

**Structure of a Web Page**

* HTML5 DOCTYPE
* Page Encoding
* HTML5 Markup
  + New And Updated Elements
  + Structural Elements
  + New Attributes
  + Deprecated Elements And Attributes
* HTML5 And CSS3
* Browser Support

**Forms**

* What Are The Needs For Web Applications?
* Current Sulutions
* New Input Types
* New Attributes
* Form Validation
* Browser Support

**Audio and Video**

* The State of Web Audio And Video Based On Plug-in
* The State Of Audio And Video Codec (e.g. H.264, WebM, etc.)
  + Video/Audio Codec And Browser Support
* New Audio/Video Markup
* Attributes And Methods
* Understanding Audio/Video Events
* Customizing Audio/Video Contruls

**HTML5 Canvas**

* Overview Of Graphics In The Browser
  + Canvas Vs. SVG
  + Accessibility
* Using A Canvas
* Context And Coordinates
* Drawing Shapes
* Working With Paths
  + Drawing Straight Lines
  + Drawing Circles Or Arcs
* Drawing Text
* Drawing Images
* Working With Pixels
* Understanding Transforms
  + Translation
  + Rotation
  + Scaling
* Browser Support

**Syllabus Covered (CSS 2.1)**

* CSS Introduction
* CSS Syntax
* CSS Id & Class
* CSS Styling
* Styling Backgrounds
* Styling Text
* Styling Fonts
* Styling Links
* Styling Lists
* Styling Tables
* CSS Box Model
* CSS Border
* CSS Outline
* CSS Margin
* CSS Padding
* CSS Advanced
* CSS Grouping/Nesting
* CSS Dimension
* CSS Display
* CSS Positioning
* CSS Floating
* CSS Align
* CSS Navigation Bar
* CSS Image Gallery
* CSS Image Opacity
* CSS Image Sprites
* CSS Media Types
* CSS hacking
* CSS Summary

**Syllabus Covered (CSS3)**

* **The Power of CSS**
  + Doing More with Less
  + A First Example
  + Challenges
  + Next Up
* **Introducing CSS3**
  + What is CSS3?
  + The History of CSS
  + Browser Support
  + HTML5
* **Selectors and Pseudo Classes**
  + Attribute Selectors
  + The Target Pseudo-Class
  + UI Element States Pseudo-Classes
  + Negation Pseudo-Class
  + Structural Pseudo-Classes
* **Fonts and Text Effects**
  + Fonts on the Web
  + Font Services
  + The @font-face Rule
  + Text Shadow
  + Word Wrapping
* **Culors, Gradients, Background Images, and Masks**
  + Culor
  + The Opacity Property
  + Backgrounds
  + background-origin, and background-size
* **Borders and Box Effects**
  + Image Borders
  + Rounded Corners
  + Box Shadow
* **Transitions, Transforms, and Animations**
  + Transitions and Transforms
  + Transitions
* **Layout: Culumns and Flexible Box**
  + Layout: Culumns and Flexible Box
  + Flexible Box Model
* **Vendor Prefixes**
  + What Are Vendor Prefixes?
  + Maybe They Ain’t So Bad
  + Strategies
* **Embedding Media**
  + Video Formats
  + Styling Video
* **Accessibility Features**
  + Web Accessibility
  + The CSS3 Speech Module
* **Media Queries**
  + Targeting Widths and Devices with CSS3 Media Queries
  + Responsive Images and the viewport Metatag
* **Implementing CSS3 in the “Real World”**
  + Stuff That Ain’t (Strictly) CSS, but Sure Is Useful
  + jQuery
  + HTML5
  + Modernizr
  + Preprocessors
  + Frameworks and Grid Systems
* **Going Forward/Additional Resources**
  + What’s Next?
  + Online Resources
  + Get Invulved