HTML5 Training Course

In this HTML5 class, you'll learn the background of HTML5, its key features, and how to use it to maximize website functionality and appeal. This class covers the new sectioning elements in HTML5 as well as styling with CSS3. Additionally, some of the supporting technologies related to CSS3 such as Local Storage and Geolocation are also covered.

What you’ll learn in this training course
- The context and evolution of HTML5
- How to understand, use, and apply HTML5 markup
- The best ways to create and use HTML5 forms
- Best practices to incorporate HTML5 video and audio
- How the canvas element is used in HTML5
- Methods for styling HTML5 elements

Audience for this training course
This HTML 5 course is designed for web professionals with prior knowledge of building HTML sites with CSS. Knowledge of all topics covered in AGI's HTML Training class is highly recommended.

Training course duration
This class is a two-days in length. It runs from 9:30 am- 4:30 pm. Lunch break is approximately from noon - 1:00 pm.

Training course curriculum
This training course uses lesson files and content from the HTML 5 Digital Classroom, which was written and created by our instructors. These training courses are offered by the same instructors that write this best-selling series.

Enrolling in this HTML5 training course
You can register for this training class online at agitraining.com, or by calling 781-376-6044 or 800-851-9237.

Locations for this HTML5 training course
You can attend classes at your training centers located in Boston, New York City, Philadelphia, on site at your office, or on-line. You can select the course location at the time of your registration.

Private and customized training course options
This training course can be offered as a private class for groups or individuals, and the content can be customized to meet your specific needs. You can call to speak with a training representative at 781-376-6044 or 800-851-9237 to discuss customizing this training course.

Goals and objectives for this training course
American Graphics Institute is focused on providing high-quality training courses for your professional development. We provide regularly scheduled small group courses along with private or customized training.
HTML5 training class topics:

Lesson 1: Understanding HTML5
History and overview
Key features
New markup and elements including:
header, footer, and nav elements
Form Elements
Video and Audio tags
Canvas Element
Styling with CSS3
Using geolocation
Offline support
Web Forms
HTML5 Examples
HTML5 and web browsers

Lesson 2: HTML5 markup
HTML5 doctype & character encoding
Using the <header> element
Using the <nav> element
Understanding the <article> element
Working with <section> element
Working with dates and caption
Understanding the Role attribute

Lesson 3: HTML5 forms
Adding new form input types
Email, URL
Range and number
Search Fields
Date Pickers
Placeholder text
Autofocus
HTML 4 fall backs for forms

Lesson 4: Audio and video
HTML5 Video basics
Codecs and browser support
Working with the video element
Attributes: Autoplay, Preload, loop
Using the audio element
Audio MIME types and fall backs
Improving Accessibility

Lesson 5: Canvas element
Role (and limitations) of the Canvas
Creating fall backs
Understanding the coordinate system
Creating paths
Creating fills and strokes
Creating and editing text
Adding images
Using transforms
Compositing
Drawing loop
Adding interactivity
PNG-based sprite animation

Lesson 6: Styling HTML5 elements
Working with CSS
CSS2 versus CSS3
Browser support and testing
Creating borders
Adding backgrounds
Working with colors
Adding text effects
Sizing and positioning
Selectors
Web fonts

Lesson 7: Applications and Interactivity
HTML5's offline capabilities
HTML5 Storage
The revised Javascript API
The Geolocation API
Web Sockets