

# INT400 : Dynamic HTML

**Code :** INT400

**Duration :** 2 days

**Category :** Internet

**Audience :**

This course is intended for person who want to learn how to make dynamic and interactive Web pages.

**Prerequisites :**

To join this course knowledge of HTML required. Knowledge of a scripting language such as VBScript or JavaScript is recommended.

**Realization :**

The concepts are treated with the help presentation slides. A demo Web site is used to clarify the concepts. Attention is also paid to hands-on exercises. The course material is in English.



## Dynamic HTML



**Contents :**

In this course you will learn how to create Interactive and Dynamic Web pages. You will learn XHTML, Cascading Style Sheets and Dynamic HTML capabilities. Attention is paid to design, positioning block-level and text-level elements and the in's and out's of Cascading Style Sheets. We also look at the latest developments in the World Wide Web Consortium and the differences between various browsers.

**Module 1 : Advanced HTML**

HTML Structure  
DOCTYPE  
Standards Compliance DOCTYPE  
Semantic or Structural Markup  
Benefits of Semantic Markup  
Problems with Tables  
Headings and Paragraphs  
Line Breaks and Emphasis  
Deprecated tags  
HTML of XHTML  
Validation  
XML Document Structure  
Well Formed and Valid Documents  
What is XHTML  
XHTML document structure

**Module 4 : JavaScript**

JavaScript History  
JavaScript Characteristics  
Variables  
JavaScript Types  
Numbers  
Strings  
Event Handlers  
onchange Event  
onmousedown Event  
Form Validation

**Module 2 : CSS**

What is CSS?  
Rendering with CSS  
Selectors  
Selector Types  
HTML Selectors  
Class Selectors  
SPAN and DIV as carriers  
ID Selectors  
Adding CSS Files  
CSS Positioning Attributes  
CSS Position Property  
CSS Visibility Property  
CSS Z-index Property

**Module 5 : Dynamic HTML**

What is Dynamic HTML  
DHTML Technologies  
script.aculo.us  
Use of script.aculo.us libraries  
Dojo Toolkit Libraries  
The dojo Widget Library  
Dojo Widget System Features  
Adding Widgets to Page  
Form Widgets

**Module 3 : HTML DOM**

HTML DOM  
Element Access  
Building a DOM tree  
DOM levels  
DOM and Browser Object Model  
DOM Representation  
Node Object  
DOM Node Types  
Properties of Node Types  
Node properties  
Node methods  
DOM data structures  
NamedNodeMap interface  
Example Document and Tree

**Module 6 : Ajax**

What is Ajax?  
Ajax term explained  
Classic Web Application Model  
Ajax Web Application Model  
Classic Synchronous App. Model  
Ajax Asynchronous App. Model  
Typical Ajax Interactions  
How Ajax Works  
Creating the XMLHttpRequest  
Object Methods  
Sending the Request  
Object Properties  
XMLHttpRequest readyState  
Listening for Response  
Processing the Response  
Sequence diagram