

Course Overview:

JavaScript is a very powerful, yet easy to learn programming language that will allow web developers and designers to add behaviours to their static HTML pages with ease. This course will provide a foundational knowledge of the subject and get them comfortable in writing, reading and using this dynamic language. This is especially important considering HTML5, as CSS and JavaScript are its integral components. Knowledge of (X)HTML and CSS is strongly recommended.

Course Content:

- JavaScript history
- Introducing JavaScript
- JavaScript syntax
- Firebug for Firefox
- Internal and external scripts
- Line and block comments
- Noscript and CDATA
- Data types: Number, String, Array, Object
- Variables
- Conditional statements
- Basic Functions
- Functions that pass values
- Return Functions
- Creating and using loops
- Writing Arrays
- Using the Math object
- Using the Date object
- Basic image rollovers
- Displaying random images
- Form fields requiring user input
- Handling basic mouse events
- Understanding the Document Object Model (DOM)
- Controlling HTML elements
- Introducing the open-source JavaScript libraries such as jQuery, Mootools and SPRY