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## Course 586 - JavaScript: A Hands-On Introduction (2 days)

### Course Description...

This comprehensive hands-on training program provides the foundation necessary to design and develop dynamic web pages using JavaScript. Through hands-on labs, attendees will gain a thorough understanding of client-side JavaScript syntax and conventions. The course also focuses on improving the functionality of a website

### Learning Objectives...

- ❑ Basic JavaScript Syntax
- ❑ How Display User Prompts and Alerts
- ❑ How to Validate User Input
- ❑ How to Create Interactive Menus
- ❑ How to Use and Manipulate Frames
- ❑ To Display Dynamic Page Content
- ❑ How to Create Interactive Forms

### Who should attend...

This course is valuable for those involved in establishing, developing, and/or maintaining a web site. Internet application developers, web designers, webmasters, and those wanting to extend their website functionality will benefit from the course.

### Prerequisites...

HTML experience is essential. The course is designed for web developers who may not be programmers. Some programming experience is helpful, but not required.

**See next page for course outline...**



## Course Outline...

### 1. Introduction to JavaScript

- The JavaScript Niche
- What you do with JavaScript
- What JavaScript Isn't
- On-line Help

### 2. HTML Primer

- Overall Structure
- Tags
- Tables and Lists
- Frames
- Events

### 3. JavaScript Primer

- Structure and Syntax Rules
- Data Types and Variables
- Operators, Expressions
- Control of Flow
- Functions

### 4. Objects in JavaScript

- OO in JavaScript
- Dotted Notation
- Accessing Object Properties
- Calling Object Methods

### 5. Form Handling

- Basic Forms
- Testing
- Buttons
- Radio Buttons
- Check boxes
- Validation
- Dynamic Forms

### 6. Events

- Event Models
- Events and Forms
- Events and Menus
- Events and HTML Tags

### 7. Menus and Boxes

- Drop-Down
- Pull-Down
- Pop-up
- Dynamic Menus
- Alert Boxes
- Prompt Boxes

### 8. Working with Windows and Frames

- Dialogs
- Generic Windows
- Controlling Windows
- Window Effects
- Frames

### 9. Graphics and Special Effects

- Image Effects
- Background Effects
- Status Bar
- Banner Adds