**PHP & MySQL**

**Section 1**

* **Basic PHP Syntax**
* Echo, Strings, and Variables
* Single Quotes vs. Double Quotes
* Escaping Characters
* Heredoc
* Concatenation
* Comments
* **Working with Numbers**
* Arithmetic Operators
* Assignment Operators
* Table of Arithmetic Operators
* Table of Assignment Operators
* **Conditionals**
* If/Else
* Elseif
* Switch
* Comparison Operators
* Logical Operators
* The Difference Between == and ===

**Section 2**

* **Arrays**
* Creating a simple array
* Using array()
* Multidimensional Arrays
* Printing an Entire Array Using print\_r()
* **Loops**
* While Loops
* Do...While
* For Loops
* ForEach
* Break Out of Loop
* Continue
* **Working with Strings**
* Comparing Strings
* Converting to Upper and Lower Case
* Searching Through Strings
* Case-Sensitive and Case-Insensitive

**Section 3**

* **Form Basics and Security**
* Post vs. Get
* Radios, Checkboxes, and Select Fields
* Magic Quotes
* Securing the page
* Using Functions
* **Sending Email**
* Setting Up MAMP Pro
* Setting Up XAMPP and Mercury Mail
* Sending a Test Email
* **Simple Form Validation and Email**
* Sanitizing Input
* Error Checking
* Displaying Errors
* Sending Email
* Adding a Thank You Page
* Including Files

**Section 4**

* **Cookies**
* Adding Cookies
* Tracking the Number of Visits
* Sending an Email with the Cookie Info
* **Sessions**
* Starting a Session
* Using Session Variables
* Log In/Log Out
* Destroying Session Variables
* **File Uploads**
* Making a File Upload Form
* The $\_FILES Array
* Uploading Files
* Basic Security

**Section 5**

* **Creating a Database/MySQL/SELECT**
* Creating a New Database
* Connecting to the Database
* SQL Basics
* The SELECT Statement
* Display the Number of Rows Returned
* Making a Reusable Connection Script
* MySQL vs. MySQLi vs. PDO
* **Making a Reusable Connection Script**
* Error Checking
* Making an Include
* Sorting Results
* **Prepared Statements**
* Selecting and Filtering Results
* Preventing SQL Injection Attacks with Prepared Statements

**Section 6**

* **SQL: Insert**
* The INSERT Statement
* Using phpMyAdmin
* Inserting Information from a Form
* **SQL: Update**
* The UPDATE Statement
* Update Form
* Display Data in the Update Form
* Display Checkboxes
* Hidden Fields
* **SQL: Delete**
* The DELETE Statement
* Deleting Rows from a Database
* Passing ID Variables in a URL
* **SQL: Search**
* Wildcard Searches
* Searching with a Form

**Duration:** ….. Months (….. Hrs.)