

## 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.)