

## Course 588: PHP Web Development (3 days)

### Course Description...

At the end of this hand-on course you will have knowledge and script templates necessary to put up together an interactive web page. Using PHP, you will be able to build forms, get data from forms, add the data to a database, display data extracted from a database, verify who is accessing your web page, and do it all with dynamic web pages. Each student leaves class with a cdrom of scripts and PHP code passages that can immediately be put to use. ROI's PHP gurus work with attendees to ensure knowledge of how to use the PHP code, how to build new code, and where to find code on the net.

### Learning Objectives...

- Syntax of PHP
- How to use PHP to work with and create forms
- How to manage sessions
- How to effectively use OO techniques
- How to use PDO
- How to interact with databases
- How to verify data

### Who should attend...

Those who need to quickly become proficient in PHP. The 9-Minute Tutorials included with the courseware provide the necessary background in subjects not covered in the course.

### Prerequisites...

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



## Course Outline...

### Chapter 1: A Programming Environment

- Environment Setups: Linux and Microsoft
- A First Working Page

### Chapter 2: PHP Tutorial

- Variables and Functions
- Control Structures
- Classes and Objects
- Exceptions
- References
- Using External PHP Scripts

### Chapter 3: The OO of PHP

- PHP's OO Concepts
- Access Modifiers
- Abstract Classes
- Interfaces
- Name Spaces

### Chapter 4: Forms and Data Validation

- Getting Data From a Form
- Strings, Arrays, and Data Manipulation
- Building Dynamic Forms
- Tools for Building Forms

### Chapter 5: Sessions

- Session Management Library
- Authentication
- Cookies
- Forms and Sessions
- Uploading Data

### Chapter 6: Database Access

- Steps to Building a Database-Driven Query
- Passing Data from a Form to a Database
- Error Handling
- PHP Library Functions for MySQL

### Chapter 7: PHP Data Object (PDO) Technology

- Creating and Manipulating PDO objects
- Executing SQL queries through PDO objects
- Closing the PDO

### Chapter 8: Web Page Additions

- Sending Email
- File Uploading
- Adding a Google App
- Adding Data from a PDO

### Chapter 9: Session Processing

- Building and Using a Session
- Using Cookies
- Conditional redirection
- E-Commerce Techniques



## Chapter 10: Capstone Project

- Dynamic User Registration
- Using Objects in the Code

## Appendices

### 9-Minute Tutorials

- PHP Eclipse
- Apache Web Server
- MySQL
- HTML
- HTTP

*Please contact your ROI representative to discuss course tailoring!!!*