

# PHP & MySQL

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**Mode:** Classroom

**Duration:** 40 hours

## Course Outline

### **PHP – Introduction**

Common Uses of PHP  
Characteristics of PHP  
"Hello World" Script in PHP

### **PHP – Environment Setup**

PHP Parser Installation  
PHP Installation  
PHP INI file Configuration

### **PHP – Syntax Overview**

Escaping to PHP  
Commenting PHP Code  
PHP is whitespace insensitive  
PHP is case sensitive  
Statements are expressions terminated by semicolons  
Expressions are combinations of tokens  
Braces make blocks  
Running PHP Script from Command Prompt

### **PHP – Variable Types**

Integers, Doubles, Boolean  
NULL & Strings

### **Variable Naming**

PHP – Variables  
PHP Local Variables  
PHP Function Parameters  
PHP Global Variables  
PHP Static Variables

### **PHP – Constants**

### **PHP – Operator Types**

Arithmetic Operators  
Comparison Operators  
Logical Operators  
Assignment Operators  
Conditional Operator  
Operators Categories 38  
Precedence of PHP Operators

### **PHP – Decision Making**

The If Else Statement  
PHP & MySQL

The Elself Statement  
The Switch Statement

### **PHP – Loop Types**

The for loop statement  
The while loop statement  
The do while loop statement  
The foreach loop statement  
The break statement  
The continue statement

### **PHP – Arrays**

Numeric Array  
Associative Arrays  
Multidimensional Arrays

### **PHP – Strings**

String Concatenation Operator  
Using the strlen() function  
Using the strpos() function

### **PHP – Web Concepts**

Identifying Browser & Platform  
Display Images Randomly  
Using HTML Forms  
Browser Redirection  
Displaying "File Download" Dialog Box

### **PHP – GET and POST Methods**

The GET Method  
The POST Method 67  
The \$\_REQUEST variable

### **PHP – File Inclusion**

The include() Function  
The require() Function

### **PHP – Files & I/O**

Opening and Closing Files  
Reading a file  
Writing a File

### **PHP – Functions**

Creating PHP Function  
PHP Functions with Parameters  
Passing Arguments by Reference  
PHP Functions returning value  
Setting Default Values for Function Parameters  
Dynamic Function Calls

#### **PHP – Cookies**

The Anatomy of a Cookie  
Setting Cookies with PHP  
Accessing Cookies with PHP  
Deleting Cookie with PHP

#### **PHP – Sessions**

Starting a PHP Session  
Destroying a PHP Session  
Turning on Auto Session  
Sessions without cookies

#### **PHP – Sending Emails**

Sending plain text email  
Sending HTML email  
Sending attachments with email

#### **PHP – File Uploading**

Creating an Upload Form  
Creating an upload script

#### **PHP – Coding Standard**

PART 2: ADVANCED PHP

#### **PHP – Predefined Variables**

PHP Superglobals  
Server variables: \$\_SERVER

#### **PHP – Regular Expression**

POSIX Regular Expressions 106  
PHP's Regexp POSIX Functions  
PHP – Function ereg()  
PHP – Function ereg\_replace()  
PHP – Function eregi()  
PHP – Function eregi\_replace()  
PHP – Function split()  
PHP – Function spliti()  
PHP – Function sql\_regcase()  
PERL Style Regular Expressions  
PHP's Regexp PERL Compatible Functions  
PHP – Function preg\_match()  
PHP – Function preg\_match\_all()  
PHP – Function preg\_replace()  
PHP – Function preg\_split()  
PHP – Function preg\_grep() 121  
PHP – Function preg\_quote()

#### **PHP – Error and Exception Handling**

Using die() function  
Defining Custom Error Handling Function  
Exceptions Handling

#### **PHP – Bugs Debugging**

#### **PHP – Date and Time**

Getting the Time Stamp with time()  
Converting a Time Stamp with getdate()  
Converting a Time Stamp with date()

#### **PHP – PHP and MySQL**

What you should already have?  
Connecting to MySQL Database  
Create MySQL Database Using PHP  
Delete MySQL Database Using PHP  
Insert Data to MySQL Database  
Retrieving Data from MySQL Database  
Using Paging through PHP  
Updating Data into MySQL Database  
Deleting Data from MySQL Database  
Using PHP to Backup MySQL Database

#### **PHP – PHP and AJAX**

What is AJAX ?  
PHP and AJAX Example  
Client Side HTML file  
Server Side PHP file

#### **PHP – PHP and XML**

HTML list that's not valid XML  
HTML list that is valid XML  
Parsing an XML Document  
Generating an XML Document

#### **PHP – Object Oriented Programming**

Object Oriented Concepts  
Defining PHP Classes  
Creating Objects in PHP  
Calling Member Functions  
Constructor Functions  
Destructor  
Inheritance  
Function Overriding  
Public Members  
Private members  
Protected members  
Interfaces  
Constants  
Abstract Classes  
Static Keyword  
Final Keyword

#### **FUNCTION REFERENCE**

PHP-Function Reference