

**Price:** R6,900.00 excl. VAT  
**Duration:** 5 days  
**Code:** PHPDV

# PHP Development

## Description

The PHP Development course focuses on using PHP to develop cross-platform web applications. Topics covered include the PHP syntax, getting data from the client, maintaining state and PHP data connectivity.

## Objectives

Delegates who complete the PHP Development course will be able to:

- Understand the fundamental concepts involved in server-side web development.
- Install and configure PHP.
- Develop, read and debug PHP code using PHP language constructs.
- Develop PHP applications and maintain state.
- Use PHP to read from and write to a database.

## Intended Audience

The PHP Development course is for programmers who want to develop web-based systems using PHP.

## Prerequisites

Our Web Development with HTML and CSS course or equivalent experience in HTML and CSS. Delegates should have previous programming experience and a basic knowledge of SQL queries.

## Course Contents

*The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*

**Web Development Fundamentals** • History of the WWW. • Standards - W3C, IETF. • The HTTP protocol. • Requests and Responses. • GET, POST and PUT requests. • Server Side Includes. • Server variables. • CGI - Common Gateway Interface. • Mixing content with code. • Cookies for state management. • HTTP Server extensions. • PHP and ASP. • Client side coding - HTML, DOM, Javascript. • XML and XHTML. • Web services. • Publishing content.

**Getting Started** • PHP background. • Supported environments. • PHP installation and configuration. • ISAPI, CGI and mod\_perl. • Query PHP with phpinfo(). • Special PHP tags in HTML. • Display dynamic content. • Passing data from client via URL or form. • Setting, reading and deleting cookies. • PHP's session id cookie. • Session variables

**Language Syntax** • Modules and libraries. • Comments. • Iteration and selection statements. • Literals. • Variables and constants. • Scope. • Keywords. • Expressions and operators. • Arrays and lists. • Associative arrays. • Regular expressions.

**Classes and Structs** • Principles. • Classes. • Methods and Properties. • Constructors. • Encapsulation. • Polymorphism. • Abstraction. • Inheritance.

**Databases in PHP** • Database drivers. • Basic SQL syntax. • MySQL examples. • Connecting to database servers. • Create and drop tables. • Insert, update and delete rows. • Selecting rows. • Client access to database functionality. • Presenting data.

**Extensions and Techniques** • Dynamic PDF generation. • Database interfaces. • Dynamic graphics. • Session management. • Serialization. • Authentication. • XML parsing. • File uploads.