

# Python Training: PHP Programming for Pros (PHPRO, 4 jours)

---

## Description

The course PHP Professional Development (Python Training) is a comprehensive introduction to PHP. The training covers everything from variable declarations to database programming. If you need to master PHP, this is place to start.

## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Web Development

---

The Architecture of the Internet

Web Development Technologies: Overview

HTML Basics

Common HTML Tags

The Response – Request Paradigm

HTML Forms: The Request

The PHP Role: The Response

The Anatomy of an PHP Page: From Request to Response

How HTML and PHP Work Together

### Client Script Basics

---

Client Side vs Server Side Script

Event Handling and JavaScript

Declaring a script block

Variables: declaration and instantiation

Variables: the assignment operator

Declaring constants

Arithmetic Operators

Compound Operators

Creating functions

Passing parameters to functions

Using return

Accessing Page Elements using the DOM

### PHP Fundamentals: Data types, arithmetic operators and language elements

---

Declaring PHP Script

Primitive vs Object Data Types

Primitive Data Types: int, double, bool, etc...

Variables: declaration and instantiation

Variables: the assignment operator

Variables: using objects and constructors

Declaring constants

Arithmetic Operations

Operator precedence

Type Conversion

Creating functions

Function Parameters

Returning Values

## PHP Fundamentals: Logical Operators, Conditional Logic, Looping and Error Handling

---

The Elements of Logic: From English to programming

Fundamental Logical Operators: AND, OR, NOT

Conditional Logic: if ... else

Conditional Logic: The switch statement

Repetition: The for .loop

Repetition: The while

Comparing the for to the while loop

Implementing Exception Handling

## State Management

---

The Need for State Management

Client Side State: Cookies

Page State: Query Strings and Page Data

Session State: The Session

Application State: The Application

## Creating Classes in PHP

---

Creating a Class

Class Properties

Class Methods

Class Events

Class Initialization and Termination

The Need for Re-Use

## Objects in PHP

---

The Need for Objects\

Classes vs Objects

Creating Basic Classes

Object Properties and Methods

Object Construction and Destruction

Inheritance

Polymorphism

Accessing instance data and functions

Advanced Object Concepts

## File and Directory Access Using PHP

---

Overview

Reading and Writing

File Permissions

File Locking

Directories

File Uploads

## Handling Databases with PHP

---

Overview

Database Connections

Access Functions

Querying Data

Modifying Data

Data Optimization