



# PHP MySQL Fundamentals

## Description

### Learn to master the basics of PHP and MySQL development

Do you want to become a skilled PHP developer, capable of creating dynamic applications connected to databases? Our PHP and MySQL training takes you step-by-step, from your first scripts to advanced database management. Through progressive modules, you will learn how to configure a MySQL database, store and retrieve information, while mastering fundamental concepts such as variables, arrays, and much more. This comprehensive course will transform your knowledge into practical skills.

### A hands-on training for all levels

Whether you're a beginner or looking to enhance your skills, this course equips you with the tools to excel in PHP scripting and MySQL database manipulation. You will learn how to design efficient web applications and manage your data effectively.

### Niveau

Fondamental

### Course Content

#### Module 1: Your First PHP Scripts

- Setting up your Environment
- Understand PHP development workflow
- Writing your first scripts
- Echo, print() and printf()

#### Module 2: Variables

- Introducing variables
- Variable operators

#### Module 3: Arrays

- Declaring simple PHP arrays
- Associative arrays
- Multidimensional arrays

- Super Global arrays

#### **Module 4: Conditionals**

- Simple conditionals
- Complex conditionals
- Switch/Case/Break
- Ternary operator

#### **Module 5: Loops**

- While... Do While Loop
- For loops
- Foreach loops

#### **Module 6: Custom PHP Functions**

- Includes
- Creating a simple function
- Function arguments
- The return statement

#### **Module 7: Server File I/O**

- Saving files on the server
- Reading files on the server
- Append and delete
- CSV files

#### **Module 8: Sending email with PHP**

- Sending text e-mail
- Sending HTML e-mail

#### **Module 9: Working with the MySQL Database**

- Setting up the database
- Retrieving a query from the database
- Storing information in the database
- Deleting and updating database records
- Complex queries

#### **Module 10: Useful PHP classes and objects**

- Date object
- Strings in PHP
- Sessions
- Cookies

#### **Lab / Exercises**

- During the course participants are encouraged to actively participate in the learning experience by running example files during lectures and performing coding challenges during labs.
- Each lab session allows you to compare your solution to the instructor's

#### **Documentation**

- Digital courseware included

### **Participant profiles**

- Non programmers and beginners with less than 6-12 months of software development experience who want to learn the basics of the PHP language
- Web designers who intend to learn the basics of professional web programming and become PHP Developers would benefit from this course

### **Prerequisites**

- Basic knowledge of HTML
- Some familiarity with web sites – what they are and the very basics of how they work – but no programming experience

### **Objectives**

- Understand the syntax and structural elements of PHP
- Know how to correctly apply the various control-flow structures
- Understand PHP data types, type-juggling, and operator precedence
- Organize code into reusable functions
- Accomplish tasks using PHP's wealth of built-in file system and array functions
- Understand essential elements of HTTP such as cookies and sessions
- Understand the basics of validating input and escaping output
- Build forms to collect information from a user
- Interact with a database using PHP's MySQL functions

### **Description**

PHP MySql Training

#### **Classroom Registration Price (CHF)**

2300

#### **Virtual Classroom Registration Price (CHF)**

2150

#### **Duration (in Days)**

3

### **Reference**

PHP-01