
PHP MySQL Fundamentals

Description

Designed to provide beginner programmers with a solid foundation in the PHP language, this course guides you through the basics of PHP with an experiential approach. PHP Fundamentals course provides you with an overview of the PHP language, main concepts, and helps you develop and adopt the methodologies and best practices of coding professionally in PHP.

Classroom Registration Price (CHF)

2300

Virtual Classroom Registration Price (CHF)

2150

Course Content

Module 1: Your First PHP Scripts

- Lesson 1: Setting up your Environment
- Lesson 2: Understand PHP development workflow
- Lesson 3: Writing your first scripts
- Lesson 4: Echo, print() and printf()

Module 2: Variables

- Lesson 1: Introducing variables
- Lesson 2: Variable operators

Module 3: Arrays

- Lesson 1: Declaring simple PHP arrays
- Lesson 2: Associative arrays
- Lesson 3: Multidimensional arrays
- Lesson 4: Super Global arrays

Module 4: Conditionals

- Lesson 1: Simple conditionals
- Lesson 2: Complex conditionals
- Lesson 3: Switch/Case/Break
- Lesson 4: Ternary operator

Module 5: Loops

- Lesson 1: While... Do While Loop
- Lesson 2: For loops
- Lesson 3: Foreach loops

Module 6: Custom PHP Functions

- Lesson 1: Includes
- Lesson 2: Creating a simple function
- Lesson 3: Function arguments

- Lesson 4: The return statement

Module 7: Server File I/O

- Lesson 1: Saving files on the server
- Lesson 2: Reading files on the server
- Lesson 3: Append and delete
- Lesson 4: CSV files

Module 8 : Sending email with PHP

- Lesson 1: Sending text e-mail
- Lesson 2: Sending HTML e-mail

Module 9 : Working with the MySQL Database

- Lesson 1: Setting up the database
- Lesson 2: Retrieving a query from the database
- Lesson 3: Storing information in the database
- Lesson 4: Deleting and updating database records
- Lesson 5: Complex queries

Module 10: Useful PHP classes and objects

- Lesson 1: Date object
- Lesson 2: Strings in PHP
- Lesson 3: sessions
- Lesson 4: 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

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Duration (in Days)

3

Reference

PHP-01