

# PHP 5, Web Development

Hands-on course of 4 days - 28h

Ref.: PHH - Price 2024: CHF2 440 (excl. taxes)

This course will allow you to master the operational use of PHP in the context of the development of dynamic Web sites. It will also cover the issues related to this type of development: databases, SQL language, manipulating graphics files, etc. Note that this course will use the two versions of PHP, 4 and 5.

## EXERCISE

Participants will be provided with computers with Windows or Linux equipment with a Web Apache server with the PHP module and a MySQL server. Participants will create a complete Ecommerce web-site.

## THE PROGRAMME

last updated: 01/2018

### 1) Introduction

- WEB architecture : HTTP, CGI, interactivity : client script or server script.
- What is PHP ?
- PHP review.
- Differences between PHP 4 and PHP 5.
- Presentation of the example used during the course : the Ecommerce web-site.

*Exercise : Review of the main HTML tags and of cascading style sheets. Introduction to cascading style sheets.*

### 2) First Web applications in PHP

- Principles of the server-client.
- First language elements.
- Integrating PHP into an HTML page.
- Variables and functions.
- The libraries.
- Basic functions, server and PHP variables.
- Server variable and PHP variable.
- Control of flows and loops.
- Transition and transmission of variables.
- Reading/writing of file.
- Login and password check.
- The redirection.
- Complex variables, tables.
- Array ; Functions linked to tables ; Extraction functions ; Navigation functions in a table.

*Exercise : Completion of personalized functions. Completion of a library of function.*

*Completion of a function creating a drop-down/scrollable list.*

### 3) Managing user sessions

- Persistent variables : Cookies and Sessions.
- Pros and cons of Cookies and Sessions.
- Limits and precautions.
- Session variables. Functions linked to session variables.

## PARTICIPANTS

This course is aimed at IT staff who want to acquire operational training in PHP in the context of development, and to Webmasters who already have a good knowledge of client programming (javascript or vbscript).

## PREREQUISITES

A base Knowledge of HTML and one programming language.

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@ORSYS.fr to review your request and its feasibility.

- The Cookies.
- Serialization of complex variables.
- Use of MySQL data-base : Presentation of MySQL.
- Basic concepts : bases, tables, fields, recordings.
- MySQL basis.
- The tables and the fields.
- The recordings.
- MySQL PHP functions.
- Introduction to the SQL language (selection, modification, deletion) ; Processing of query results.

*Exercise : Elaborate a simple shopping basket, in cookie and session version. Managing quantities ordered*

#### 4) A professional Web application

- Advanced selection functions : search and sorting.
- Graphics in PHP.
- Presentation of the GD library.
- Imaging and re-use.
- Managing typeface and writing in image mode.
- Superposing texts so that rights are protected.
- Integrating into web-site.
- Elaborate statistical graphs.
- Integration of completed modules.

*Exercise : Create a search engine : the selection on Author, Title and Hero gives a list of links on the corresponding product sheets . Multilayer implementation. Integrating the different completed modules. Display of images with the copyright notice.*

## DATES

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### REMOTE CLASS

2025 : 04 Mar, 17 Jun, 23 Sep, 18 Nov