

PHP Programming Fundamentals

Gain the essential PHP programming skills needed to build interactive, data-driven sites

Course Snapshot

- **Course: PHP Programming Fundamentals (TT4940)**
- **Duration:** 4 days
- **Audience & Skill Level:** This introductory level course is for experienced web developers.
- **Hands-on Learning:** This course is approximately 50% hands-on lab to lecture ratio, combining engaging expert lessons, demos and group discussions with real-world, skills-focused machine-based labs and exercises. Student machines are required.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **blended learning format**. Please also ask about our **Self-Paced / Video / QuickSkills** or **Mini-Camp / Short Course** flexible delivery options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

Geared for experienced web developers, **PHP Programming Fundamentals** is a hands-on course designed to jumpstart students with critical techniques for working with PHP using modern skills and best practices for web development and data handling. The focus of the course is on practical skills and ensuring the student absorbs the fundamentals of developing with PHP to a foundation level.

Learning Objectives

Working in a hands-on learning environment led by our expert practitioner, you'll explore:

- The PHP programming skills needed to successfully build interactive, data-driven sites
- How to code a PHP application
- How to use PHP with a MySQL database
- How to use the MVC pattern to organize your code
- How to test and debug a PHP application
- How to work with form data
- How to code control statements
- How to work with strings and numbers
- How to work with dates
- How to create and use arrays
- How to work with cookies and sessions
- How to create and use functions
- How to use regular expressions, handle exceptions, and validate data

Need different skills or topics? If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional PHP, web development and other related topics that may be blended with this course for a track that best suits your needs. Our team will collaborate with you to understand your needs and will target the course to focus on your specific learning objectives and goals.

Audience & Pre-Requisites

This introductory-level course is for experienced web developers with a basic working knowledge of HTML.

Take Before: Students should have skills equivalent to or should have recently attended the course(s) below as a pre-requisite:

- TT4003 Web Essentials: HTML / CSS and JavaScript

Related Courses: PHP Training Series

- TT4940 PHP Programming Fundamentals

- TT4943 Intermediate PHP Programming
- TT4945 Advanced PHP Programming | PHP with XML, Ajax, RESTful Services, Web Services, PHP Security & More

Course Topics / Agenda

- 1. Introduction to Web Development with PHP**
 - The architecture of a web application
 - The Product Discount application
 - How to edit and test a PHP application
- 2. How to code a PHP application**
 - Basic PHP skills
 - The Product Discount application
 - How to code control statements
 - How to use the PHP documentation
- 3. Introduction to relational databases and MySQL**
 - An introduction to relational databases
 - The SQL statements for data manipulation
 - An introduction to MySQL
 - How to use phpMyAdmin
- 4. How to use PHP with a MySQL database**
 - PHP for working with MySQL
 - How to get data from a result set
 - The Product Viewer application
 - The Product Manager application
- 5. How to use the MVC pattern to organize your code**
 - How to use the MVC pattern
 - The Product Manager application
 - The Product Catalog application
- 6. How to test and debug a PHP application**
 - An introduction to testing and debugging
- 7. How to work with form data**
 - How to get data from a form
 - How to display data on a web page
- 8. How to code control statements**
 - How to code conditional expressions
 - How to code the selection structures
 - How to code the iteration structures
- 9. How to work with strings and numbers**
 - How to work with strings
 - How to work with numbers
 - Other skills for working with strings and numbers
- 10. How to work with dates**
 - How to use timestamps to work with dates
 - How to use objects to work with dates
- 11. How to create and use arrays**
 - How to create and use an array
 - How to create and use an associative array
 - How to use functions to work with arrays
 - How to work with arrays of arrays
 - The Task List Manager application
- 12. How to work with cookies and sessions**
 - How to work with cookies
 - How to work with sessions
 - The Shopping Cart application
- 13. How to create and use functions**
 - Basic skills for working with functions
 - How to create and use a library of functions
 - Advanced skills for working with functions
 - The Shopping Cart application
- 14. How to use regular expressions, handle exceptions, and validate data**
 - How to use regular expressions
 - How to handle exceptions
 - The Registration application

Student Materials & Lab Environment

All course software (limited versions, for course use only), digital courseware files or course notes, labs / data sets and solutions (as applicable) are provided for you in our “easy access / no install required” high-speed remote lab environment. Our tech team works with every student to ensure everyone is set up with working access and ready to go prior to every course start date, ensuring a smooth delivery and great hands-on experience. Please ask for details.

For More Information

For more information about our dedicated training services, collaborative coaching services, courseware licensing options, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.