

# Object-Oriented Programming in PHP

Course code: INTPH\_OOP

This course is intended for developers who already have programming in PHP have some experience and want their ability to move on coping now almost essential object-oriented programming. The course discussed how the principles of object-oriented programming in general, and their proper application in PHP that lets you creating scalable and long term maintainable web applications.

## What we teach you:

- Basic principles of OOP in general
- Using object-oriented PHP
- OOP principles production quality code

## Required skills:

- To get the training took as much as needed to control at least the basics of procedural PHP - variable field conditions, loops, functions, etc.
- Knowledge required, you can check the following exercises that you should manage without hesitation:
  - Create a variable
  - \$ items
  - and place in the field multiple values.
  - Create a function
  - PrintHTML (\$ data)
  - , which receives the field, and it lists its value as a bulleted list in HTML.
  - Try the call to
  - PrintHTML ()
  - and give it a variable
  - \$ items
  - .
  - Treat breeding function
  - PrintHTML ()
  - for an empty field

## Teaching methods:

- Professional explanation with practical samples and examples.

## Teaching materials:

- Powerpoint handouts and module printouts.

## Course syllabus:

Basic principles of OOP:

- Encapsulation
- Polymorphism
- Composition
- Heredity
- The exception handling

Using principles of OOP in PHP:

- Interface
- Static methods
- Abstract classes and methods
- Autoloading
- Type hinting

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# Object-Oriented Programming in PHP

- Magical Methods
- Design Patterns

News in new versions of PHP

- Namespaces
- Traits
- Generators
- Anonymous functions (closures)
- Correct work with passwords
- News in PHP 7

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