

Advanced Programming in PHP

Course code: INTPH_ADV

This course is intended for PHP developers who already have experience with creating Web applications and object-oriented programming and want to share their skills and abilities to move further. In this course we will deal with innovations in PHP, MVC architecture and PHP standards, the investigation time and costs by using existing libraries elegant, processing large XML / JSON file, efficient work in the IDE and automated testing code.

Affiliate	Duration	Course price	ITB
Praha	2	8 200 Kč	20
Brno	2	8 200 Kč	20
Bratislava	2	360 €	20

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
30.09.2024	2	8 200 Kč	Online	CZ/SK	GOPAS Praha online
05.12.2024	2	8 200 Kč	Presence	CZ/SK	GOPAS Praha
10.04.2025	2	8 200 Kč	Presence	CZ/SK	GOPAS Praha

The prices are without VAT.

Who the course is for:

- Work with the latest features in PHP.
- Use PHP standards.
- Use MVC architecture.
- Use existing libraries and API.
- Work effectively in the IDE.
- Handle large XML and JSON use.
- Secure Web applications.
- Using versioning, logging and profiling applications

Required skills:

- Knowledge of object oriented programming in PHP at least at the rate INTPH_OOP - classes, objects, interfaces, composition, inheritance, visibility (private / protected / public).
- Experience with the development and maintenance of applications in PHP.

Teaching methods:

- Professional explanation with practical samples and examples.

Teaching materials:

- Powerpoint handouts and module printouts.

Course syllabus:

News in recent versions of PHP

- What version of PHP use.
- Namespaces.
- Anonymous functions, closures
- PHP 7

Development environment

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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Advanced Programming in PHP

- Effective work with code shortcuts, refactoring.
- Debugging - xdebug.

Using existing libraries

- Installation using the Composer
- Presentation of selected libraries.

The MVC architecture

- What's MVC.
- Using the MVC.

PHP standards - PSR

- PSR-0, SG-1, SG-2, SG-4

Safety

- Safe handling passwords and other sensitive information.
- Prevention of common vulnerabilities - Cross-site scripting (XSS), CSRF (cross-site request forgery), SQL Injection (SQLite).

XML / JSON

- Processing of large XML.
- Acquisition of data in JSON in communication with the API. Processing of data from JSON.

Testing

- Introduction into testing.

Operation applications

- Versioning code.
- Processing and logging errors.
- Application profiling.

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