**Advanced web programming (ECTS credits: 6)**

Language: the course is offered in English, Serbian and Hungarian.

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**Course description:**

PHP programming language. Usage of arrays, strings, regular expressions. Advanced use of functions. Time and date functions. EXIF extension. Sending files to the server. Protection of forms, techniques and methods of protection. Object-oriented PHP, basic concepts, classes, anonymous classes, inheritance, polymorphism. Error and exception handling. More advanced usage of MySQL databases. MVC architecture, web frameworks. Apache web server rules. Version control systems in software development.

**Aims:**

To educate the students to acquire the theory and practical application in the field of advanced web programming. The student is trained for the advanced use of PHP programming language and modern trends in the development of dynamic websites and web applications.

**Learning outcomes:**

After completing the course the student should be able to:

* Independently create complex web applications using modern trends, PHP programming language and MySQL relational database management system.
* Acquire knowledge in the field of usage of object-oriented programming in PHP programming language, working with web server and web databases.