**Web programming (ECTS credits: 6)**

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

**Course description:**

Main topics of this course are Basic concepts of JavaScript technology, building Java technology elements, objects, classes, scripting, event processing, work with forms, advanced use of JavaScript technology. Usage of JQuery library, methods for using the jQuery library in large projects. Code Optimization, Application Testing. Usage of AJAX technology, the basic elements and the use of AJAX solutions using several Internet technologies. Creating tasks, working on a computer in a client/server environment. Development of dynamic web applications and web pages.

**Aims:**

To educate the students to acquire the theory and practical application in the field of web programming, to develop and implement dynamic web pages using a web database and several client sides and server side technologies, and to use proper security methods in web programming.

**Learning outcomes:**

After completing the course the student should be able to:

* Independently create flexible and dynamic web applications using multiple web technologies.
* Understand and acquire knowledge in the field of web programming, working with a web server and web databases
* Understand and implement formats of electronic data interchange

Write optimized and secure programming codes