**Object-oriented programming (ECTS credits: 6)**

Language: the course is offered in Serbian and Hungarian.

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**Course description:**

This course provides a comprehensive knowledge about object-oriented programming.

The course covers the following topics:

Java programming language. Object-oriented paradigm. Objects, classes, inheritance. Classes and inheritance in Java. Packages. Inner classes. Exceptions. Enumerated types. Generic types and methods. Collections. Multithreading. Swing components for creating a user interface.

**Aims:**

After completing the course, the students will have an excellent understanding of the fundamentals in Java programming. They will know how to operate with the basic concepts in programming - classes, objects, overloading and overriding, inheritance and many advanced Java programming techniques, and also, they will have a great understanding of Object-Oriented Programming.