# Object oriented programming 2 (ECTS 5)

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Language: this course is offered in Serbian and Hungarian.

Course description:

The objective of this course is to teach students to program in an object-oriented style. Students who take this course will build an understanding of object-oriented concepts using Java. This course would cover the following topics, both as lectures and exercises:

1. Introduction to Java
2. Eclipse IDE
3. Java programming techniques
4. Strings in Java
5. Packages
6. Exception handling
7. OOP fundamentals
8. Classes in Java
9. Inheritance
10. Polymorphism
11. Interface
12. Abstract concept in design
13. Introduction to swing component
14. Building basic GUI application
15. Advanced swing components

Aims of the course:

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 Orientated Programming.