

Study Programme: Information Systems Engineering			
Course Unit Title: Introduction to Programming			
Course Unit Code: IZOO05			
Name of Lecturer(s): Arsenović Marko, Sladojević Srđan			
Type and Level of Studies: bachelor			
Course Status (compulsory/elective): compulsory			
Semester (winter/ summer): winter			
Language of instruction: english			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: none			
Course Aims: The course is aimed at students who do not have prior knowledge in the field of programming, to learn the basic concepts and techniques for creation of procedural programs. The course is focused on planning and organization of programs, as well as understanding the role of programming for problem solving.			
Learning Outcomes: Upon completing this course successfully, students will be able to: understand the syntax and semantics of a programming language; understand the basic data types; use different techniques for problem solving; independently structure programs using decomposition and abstraction; develop simple programs and think algorithmically.			
Syllabus. The course covers: syntax and semantics of a programming language, basic and derived data types, operations, sequences, selections, iterations, jump statements, files, recursive functions, algorithmic description of data processing, basic programming techniques, program testing and debugging, creating program documentation.			
Required Reading: Relevant literature in English, tbd			
Weekly Contact Hours:2	Lectures: 2	Practical work: 0	
Teaching Methods: Teaching is done through lectures using contemporary didactic methods. Exercises are entirely performed in specialized computer labs.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Attendance			
Computer exercises			
Tests (4x)			

