

<b>Study program: Modern computer technologies</b>			
<b>Course title:</b> Elementary Programing			
<b>Professor/assistant:</b> Mirko Kosanovic			
<b>Type of course:</b> compulsory			
<b>ECTS credits:</b> 6			
<b>Pre-requisites:</b> none			
<b>Aims of the course:</b>			
<ul style="list-style-type: none"> <li>• Acquiring basic knowledge about techniques and ways of writing programs by mastering the fundamental principles of programming and getting to know the basic elements of programming languages, their syntax, data types and control structures.</li> </ul>			
<b>Learning outcomes:</b>			
Empowering students to independently design, write and test programs written in the programming language C.			
<b>Syllabus</b>			
<i>Theoretical part</i>			
Introduction and Principles of Programming Languages, Data Types, Expressions and Expressions, Programming Languages Syntax, Key and Reserved Words, Basic Control Structures, Sequences, Cycles, Jumps, Subprograms, Functions, Procedures, Recursion, Programming Languages, Basic Programming Techniques Programming Language, Declaration and Code Implementation, Program Structure in S, Implementation of Standard S Functions, Translation, Linking and Running, Programming Language S, Program Flow Control, Loops, Strings, Pointers, Pointer Arithmetic, Pointer tool			
<i>Practical part</i>			
Exercise through examples and assignments based on the material presented through lectures.			
<b>Literature</b>			
1. Programski jezik C, Brian W. Kernighan, Dennis M. Ritchie, CET Beograd			
2. C za programere, Peter Prinz, Tony Crawford, Mikro knjiga, 2016			
3. Uvod u programiranje: zbirka zadataka iz prog. jezika C, Milan Škarić, Viktor Radović, Mikro knjiga, 2016			
<b>Number of active classes</b>			Other forms of teaching:
Lectures: 30	Practical classes: 15	Research work: 15	
<b>Teaching methods</b>			
Theoretical and practical teaching in combination with interactive teaching with practical problem solving.			
<b>Grading system</b> (maximum 100 points), <b>grading scale</b> from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
<b>Pre-exam obligations</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
activity during theoretical lectures	<b>10</b>	written exam	<b>30</b>
practical training	<b>20</b>	oral exam	
colloquium(s)/seminar papers	<b>40</b>		
<b>Sum</b>	<b>70</b>	<b>Sum</b>	<b>30</b>