

<b>Title:</b>	<b>Basic programming C/C++</b>
<b>Lecture hours:</b>	30 lectures + 30 labs
<b>Study period: (summer/winter)</b>	Summer or winter
<b>Number of credits:</b>	7
<b>Assessment methods:</b>	Traditional form of lectures will be supported by video presentations of the most essentials and crucial steps to understand.
<b>Language of instruction:</b>	English
<b>Prerequisites:</b>	Algorithms and data structures
<b>Course content:</b>	<ul style="list-style-type: none"> <li>• Introduction to C/C++</li> <li>• If statements</li> <li>• Loops in C/C++</li> <li>• Functions in C/C++</li> <li>• Switch case</li> <li>• Accessing Memory with Pointers</li> <li>• Storing data with Arrays</li> <li>• Structures in C++</li> </ul>
<b>Learning outcomes:</b>	These lecture notes are designed for an introductory course on programming, using the imperative core of C/C++. The examples and the examples answers to the exercises have been written in ANSI/ISO standard C/C++, and have been tested using the Dev C++ and Builder. Goal of this course is understand by students structure of code of programs - including type of variables, functions and other instructions.
<b>Name of lecturer:</b>	Dr Krzysztof Tyburek
<b>Contact (email address):</b>	krzysiekt@ukw.edu.pl
<b>Literature:</b>	<ol style="list-style-type: none"> <li>1. Dan Gookin, "Beginning Programming with C For Dummies". O'REILLY 2013</li> <li>2. Richard M. Reese, "Understanding and Using C Pointers. Core techniques for memory management". O'REILLY 2013</li> <li>3. Bruce Eckel, " Thinking in C++: Introduction to Standard C++"</li> </ol>