

<b>Óbuda University</b> <i>Kandó Kálmán Faculty of electrical engineering</i>		Institute of Instrumentation and Automation	
<b>Name and code of the subject:</b> <i>Informatics laboratory I.</i> <i>KMAIA12AND</i> <b>Credits: 2</b>			
<i>2nd semester</i>			
Specialization: Electrical engineer,			
Subject leader:	Dr. Schuster György	Teachers:	Mezei Miklós
Prerequisites: (codes)	KMAIA11AND		
Number of lessons:	Lecture: 0	seminary: 0	Laboratory exercise: 2    Consultation:
Way of marking (si,e,se):se	semester mark		
<b><i>Education material</i></b>			
<i>Goal of education:</i> Students should learn the essential elements of C program language in practice and learn the basics of program writing and debugging.			
<i>Topics of lessons:</i>			
<b>Topics:</b>	<b>Week</b>	<b>Lessons</b>	
IDE of the C. Types of variables	<b>1.</b>	<b>3</b>	
Syntactical elements, operators and pointers.	<b>2.</b>	<b>3</b>	
Instructions, conditional, cycle instructions.	<b>3.</b>	<b>3</b>	
Simple algorithms, types of bubble sort.	<b>4.</b>	<b>3</b>	
Functions, arguments of a function.	<b>5.</b>	<b>3</b>	
More complicated algorithms. Quick short, shell short.	<b>6.</b>	<b>3</b>	
Usage of character display.	<b>7.</b>	<b>3</b>	
Low level file handling.	<b>8.</b>	<b>3</b>	
High level file handling.	<b>9.</b>	<b>3</b>	
Test work.	<b>10.</b>		
<b>Requirements:</b>			
At the middle and the end of the semester students should perform two programming tasks marked by the lecturer. The complete semester mark is the mathematical average of the marks of these programming tasks, but both marks have to reach the sufficient level. All the other questions are regulated by the TVSZ.			
<b>Literature: 1180 Schuster György, Dr. Simán István C programozás BorlandC++ 3.11 környezetben.</b>			