

Information sheet for the course Introduction to Programming I

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>					
Course unit code: <i>PP-PV-1</i>			Course unit title: Introduction to Programming I		
Type of course unit: <i>optional</i>					
Planned types, learning activities and teaching methods:					
<i>Lecture:</i>					
<i>Seminar:</i>					
<i>Laboratory tutorial: 2 hours weekly/26 per semester of study; face to face</i>					
Number of credits: 2					
Recommended semester: <i>1st semester in the 1st year full-time</i> <i>1st semester in the 1st year part-time</i>					
Degree of study: <i>the 1st degree of study (Bachelor's degree)</i>					
Course prerequisites: <i>none</i>					
Assessment methods: <i>Laboratory tutorial</i>					
Learning outcomes of the course unit:					
<i>The student can work with the program MATLAB, can be applied to a simple practical tasks.</i>					
Course contents:					
<i>Statistics and Data Analysis. Solving differential equations. Algorithm development and programming of M-files. Chains and multi-dimensional arrays, solution of numerical problems, optimization in MATLAB simulation.</i>					
Recommended of required reading:					
<i>Bartko, R., Miller, M.: MATLAB I – algoritmizácia a riešenie úloh. Digital Graphic Trenčín. 2004</i>					
<i>Kaukič, M., Kríž, F.: MATLAB – šlabikár, VŠDS Žilina</i>					
<i>Matlab – The Language of Technical Computing, Getting Started with MATLAB version .5.1 The Math Work Natck, Massacusetss 1997</i>					
<i>Stuchlý, J.: Matematika IV- návod k cvičeniam z teórie pravdepodobnosti a matematickej štatistiky, skriptá VŠDS, alfa Bratislava</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history:					
A	B	C	D	E	FX
Lecturers: <i>doc. RNDr. Ladislav Matejíčka, CSc.</i>					
Last modification: <i>31.03.2015</i>					
Supervisor: <i>doc. Ing. Ján Vavro, PhD.</i>					

