

## Information sheet for the course Introduction to Programming I

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>					
<b>Faculty:</b> <i>Faculty of Industrial Technologies in Púchov</i>					
<b>Course unit code:</b> <i>PP-PV-1</i>			<b>Course unit title:</b> Introduction to Programming I		
<b>Type of course unit:</b> <i>optional</i>					
<b>Planned types, learning activities and teaching methods:</b>					
<i>Lecture:</i>					
<i>Seminar:</i>					
<i>Laboratory tutorial: 2 hours weekly/26 per semester of study; face to face</i>					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> <i>1<sup>st</sup> semester in the 1<sup>st</sup> year full-time</i> <i>1<sup>st</sup> semester in the 1<sup>st</sup> year part-time</i>					
<b>Degree of study:</b> <i>the 1<sup>st</sup> degree of study (Bachelor's degree)</i>					
<b>Course prerequisites:</b> <i>none</i>					
<b>Assessment methods:</b> <i>Laboratory tutorial</i>					
<b>Learning outcomes of the course unit:</b>					
<i>The student can work with the program MATLAB, can be applied to a simple practical tasks.</i>					
<b>Course contents:</b>					
<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>					
<b>Recommended of required reading:</b>					
<i>Bartko, R., Miller, M.: MATLAB I – algoritmizácia a riešenie úloh. Digital Graphic Trenčín. 2004</i>					
<i>Kaukič, M., Kříž, 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>					
<b>Language:</b> <i>Slovak</i>					
<b>Remarks:</b>					
<b>Evaluation history:</b>					
A	B	C	D	E	FX
<b>Lecturers:</b> <i>doc. RNDr. Ladislav Matejíčka, CSc.</i>					
<b>Last modification:</b> <i>31.03.2015</i>					
<b>Supervisor:</b> <i>doc. Ing. Ján Vavro, PhD.</i>					

