

Information sheet for the course Introduction to Programming II

University: <i>Alexander Dubček University of Trenčín</i>						
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>						
Course unit code: <i>PP-PV-3</i>			Course unit title: <i>Introduction to Programming II</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: <i>2</i>						
Recommended semester: <i>2nd semester in the 1st year full-time</i> <i>2nd 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 use MATLAB to practical problems related to the statistical processing of data and tasks relating to numerical mathematics.</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., Kříž, F.: MATLAB – šlabikár, VŠDS Žilina</i> <i>Matlab – The Language of Technical Computing, Getting Started with MATLAB version .5.1 The Math Work Natick, 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>					