

Information sheet for the course Introduction to Programming

University: <i>Alexander Dubček University of Trenčín</i>						
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>						
Course unit code: <i>MI-PV-5</i>				Course unit title: <i>Introduction to Programming</i>		
Type of course unit: <i>optional</i>						
Planned types, learning activities and teaching methods: <i>Lecture: 0</i> <i>Seminar: 0</i> <i>Laboratory tutorial: 2 hours weekly/26 hours 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:						
Learning outcomes of the course unit: <i>The student can handle numeric, textual data using tables in MS Excel, controls the basic concepts of the theory of computers and their user base programs. The student can work with large tables, shared data in the tables. Controls cooperation with other applications, work with databases. Students will develop the ability to solve numerical tasks typological selected for practice.</i>						
Learning outcomes of the course unit: <i>Elementary concepts - computer hardware, software, processor, memory, numerical systems. Interpreter and compiler. Basics table and documents - recap. Formatting and editing tables. Calculations in the tables, the names and functions. Working with multiple tables, transfer data between tables, networking of tables, Pivot table. Graphical representation of data - chart types, their creation, editing, formatting, and printing. Additional tools and services. Templates. Setting the working environment - user profile. Web server MS Office Online. A brief overview of other services program - statistical calculations, working with databases, graphical objects, user functions, support for database data analysis (OLAP), support for network Internet / Intranet, macros (VBA) and the like.</i>						
Course contents: <i>Brož, M.: Microsoft Excel 2003 - Podrobná uživatelská příručka. ISBN: 80-251-0406-0, Computer Press, 2004.</i> <i>Brož, M.: Microsoft Excel pro manažery a economy. ISBN 80-251-1307-8, Computer Press, 2006.</i> <i>Textbooks of computer programs (Excel, Word, PowerPoint,...) on the web</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>31.03.2014</i>					
Supervisor: <i>prof. Ing. Darina Ondrušová, PhD.</i>					