Information sheet for the course
Applied Information Science

University: *Alexander Dubček University of Trenčín*	
Faculty: *Faculty of Social and Economic Relations*	
Course unit code: *VSP15*	**Course unit title:** *Applied Information Science*
Type of course unit: *compulsory*	
Planned types, learning activities and teaching methods: *laboratory, 2 hours per week / 28 hours per semester, in-class format*	
Number of credits: *2*	
Recommended semester: *2nd*	
Degree of study: *I.*	
Course prerequisites: *none*	
Assesment methods: *Consistent examples of practical skills will be evaluated during the semester and at the end of the semester. To obtain the evaluation A a student have to achieve at least 80 points, to obtain evaluation B a student have to achieve at least 75 points, to obtain evaluation C a student have to achieve at least 70 points, to obtain evaluation D a student have to achieve at least 65 points for evaluation E a student have to achieve at least 60 points. To be evaluated there is a need to attend laboratories. At the end of the semester during the examination period: Project. After the handover and project evaluation credit. The resulting evaluation - achieved average.*	
Learning outcomes of the course unit: *By the end of the course students will have gained practical skills and knowledge in the field of applied information science. Students will be able to control the information and communication technologies including general education. The student will understand the possibilities of using information and communication technologies and will be able to work in Microsoft Office and acquire practical skills in Microsoft Visio and utilities of Windows environments.*	
Course contents: *1. MS Office 2010, MS Excel 2010 and cooperation with other programs. 2. Possibilities of distributed data, data security using the MS Excel. 3. Working with Forms. Modeling, simulation and analysis using Excel. 4. Operation, functions, formulas, graphs, use the Data Analysis Solver. 5. Search for optimal solutions, sensitivity analysis, scenarios, and possible solutions in MS Excel. 6. Work with pivot tables and charts. 7. Creating macros over more tables. 8. Fundamentals of applications using VBA formation algorithms. 9. Fundamentals of applications using VBA, creating forms using VBA. 10. Complete range of examples. 11. Complete range of examples. 12. Presenting the development of a project task. 13. Final assessment tasks.*	
Recommended of required reading: *Kočíková, E. – Jašková, D. – Janošcová, R.: Základy informatiky I. 1.vyd.. TnUAD, Trenčín 2007 Kočíková, E. – Janošcová, R.: Základy informatiky II., 1. vyd.. TnUAD, Trenčín 2007 Adamko, P. – Zelem, J.: Informatika 2. EDIS ŽU, Žilina 2006 Brož, M.: Excel pre manažérov a ekonómov – príklady z praxe, CP Books,a.s. Černý, J.: Programovanie v Exceli, Grada*	

Weverka, P.: Office 2010 All-in-One For Dummies. [online]. [cit.13.9.2010]. Dostupné na:< http://books.google.sk/books>. *Internet a odborné časopisy.*	

Language: *Slovak*

Remarks:
The subject is provided in the summer semester in the first year of full-time and part-time BSP. Subject is obliged. Number of students in the laboratory is 20-25 students.

Evaluation history: *056*

A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0

Lectures: *Ing. Elza Kočíková, PhD., Ing. Zuzana Križanová, PhD.*

Last modification:

Supervisor: *doc. Ing. Ján Kútik, CSc.*