

Information sheet for the course Computer-assisted Technical Drawing I

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>	
Course unit code: <i>PP-P-5</i>	Course unit title: <i>Computer-assisted Technical Drawing I</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Seminar: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Laboratory tutorial: 3 hours weekly/39 hours per semester of study; face to face</i>	
Number of credits: <i>7</i>	
Recommended semester: <i>1st 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:	
Assessment methods: <i>Project work, test</i>	
Learning outcomes of the course unit: <i>The student can read and technical drawing, knows the rules and principles of engineering drawing. Know the basic Pro / Engineer eventually. Solid Works. Does technical drawing program Pro / Engineer eventually. Solid Works</i>	
Course contents: <i>Standardisation. Technical documentation. Technical font. Technical drawings, formats, title block. Rules imaging. Lines, scale, views, sections, cross sections, intersections. Listing. The construction of the computer.</i> <i>Basics of Pro / Engineer eventually. Solid Works .:</i> <i>1. 2D environment SKETCHER</i> <i>Part 2 3D environment: part with depth - command EXTRUDE</i> <i>part of the axis of rotation - order REVOLVE</i> <i>3. The edge rounding - order ROUND</i> <i>Chamfer - command CHAMFER</i>	
Recommended of required reading: <i>MANUAL Solid Works</i> <i>Mašek, K., Šimůnek, P.: Technické kreslení. SNTL Bratislava, 1962.</i> <i>Vávra, P.: Strojnické tabulky, SNTL Praha 1984.</i> <i>Barysz, I., Šulla, J.: Technická dokumentácia v elektrotechnike. (Skriptum). VŠDS Žilina, 1994.</i> <i>Čillík, L., Barysz, I.: Úvod do konštruovania, návody na cvičenia. (Skriptum). ŽU v Žiline, 1998.</i> <i>Veselovský, J.: Technické kreslenie. ALFA, SNTL Bratislava, 1986</i> <i>Drastik, F.: Technické křeslení podle mezinárodních norem. MONTANEX, s.r.o. Ostrava</i>	

Language: <i>Slovak</i>					
Remarks:					
Evaluation history:					
A	B	C	D	E	FX
Lecturers: <i>prof. Ing. Ján Vavro, PhD., Ing. Dana Bakošová, PhD. Ing. Petra Kováčiková, PhD.</i>					
Last modification: <i>31.03.2015</i>					
Supervisor: <i>doc. Ing. Ján Vavro, PhD.</i>					