Information sheet for the course
Computer-assisted Technical Drawing II

University: *Alexander Dubček University of Trenčín*	
Faculty: *Faculty of Industrial Technologies in Púchov*	
Course unit code: *PP-P-10*	**Course unit title:** *Computer-assisted Technical Drawing II*
Type of course unit: *compulsory*	
Planned types, learning activities and teaching methods: *Lecture: 2 hours weekly/26 hours per semester of study; face to face* *Seminar:2 hours weekly/26 hours per semester of study; face to face* *Laboratory tutorial:2 hours weekly/26 hours per semester of study; face to face*	
Number of credits: 7	
Recommended semester: *2nd semester in the 1st year full-time* *3rd semester in the 2nd year part-time*	
Degree of study: *the 1st degree of study (Bachelor's degree)*	
Course prerequisites: *PP-P-5 Computer-assisted Technical Drawing I.*	
Assessment methods: *Project work, test*	
Learning outcomes of the course unit: *The student can read and technical drawing, knows the rules and principles of engineering drawing, knows the various mechanical engineering components and units, their function (connecting parts, gears, bearings) and can draw them.* *The student knows technical drawing program Pro / Engineer eventually. Solid Works, as well as the whole kit and their transformation into other software environments for their numerical analysis.*	
Course contents: *Surface roughness, marking. Tolerating -basic concepts, assembly tolerances and positions,, fit accuracy class, imposition, writing tolerances on drawings. Tolerances-tolerated dimensions, geometric tolerances and position. Bolting and mechanisms. Thread, components for torque transmission. Grooved joints. Bearings. Seals, centering holes, grooves. Mechanical transfers. Welded joints. Spring.* *The construction on the computer using Pro / Engineer eventually. Solid Works,* *1. recapitulate 3D environments Part: Part of depth - command EXTRUDE* *2. The part of the axis of rotation - order REVOLVE* *3. rounding edges - order ROUND* *4. chamfering - command CHAMFER* *5. Drafting menu DRAWING* *Creating reports in the menu ASSEMBLY*	
Recommended of required reading: *MANUAL Solid Works* *Mašek, K., Šimůnek, P.: Technické kreslení. SNTL Bratislava,1962.* *Vávra, P.: Strojnické tabulky, SNTL Praha 1984.* *Barysz, I., Šulla, J.:Technická dokumentácia v elektrotechnike. (Skriptum). VŠDS Žilina, 1994.* *Čillík, L.,Barysz, I.: Úvod do konštruovania, návody na cvičenia. (Skriptum). ŽU v Žiline, 1998.*	

Veselovský, J.: Technické kreslenie. ALFA,SNTL Bratislava, 1986 *Drastík, F.: Technické křeslení podle medzinárodních norem. MONTANEX, s.r.o. Ostrava*					
Language: *Slovak*					
Remarks:					
Evaluation history:					
A	B	C	D	E	FX
Lecturers: *prof. Ing. Ján Vavro, PhD., Ing. Dana Bakošová, PhD. Ing. Petra Kováčiková, PhD.*					
Last modification: *31.03.2015*					
Supervisor: *doc. Ing. Ján Vavro, PhD.*					