

Information sheet for the course CAD CAM II

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>					
Course unit code: <i>MT-P-27</i>			Course unit title: <i>CAD CAM II</i>		
Type of course unit: <i>compulsory</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>the 4th semester in the 2nd year of the full-time form of study,</i> <i>the 6th semester in the 3rd year of the part-time form of study.</i>					
Degree of study: <i>the 1st degree of study (Bachelor's degree)</i>					
Course prerequisites: <i>accomplishment of MT-P-3 (Technical Documentation) and MT-P-18 (CAD CAM I)</i>					
Assessment methods: <i>To accomplish the given subject, student is obliged to be present at the lessons with the reference to specifications introduced in the study rules for the given study programme. He/she is also obliged to solve all predetermined tasks using PC and he/she also has to prepare and defend his/her predetermined work.</i>					
Learning outcomes of the course unit: <i>Student is able to solve the specific tasks using basic or fundamental principles relating to Pro/Engineer program and he/she can apply the obtained knowledge during the preparation or creation of the technical documentation.</i>					
Course contents: <i>Revision and completion of the fundamental or basic principles or features relating to Pro/engineer program:</i> <ul style="list-style-type: none"> - <i>revision and completion – creation of 2-D drawings – SKETCHER</i> - <i>revision and completion – creation of 3-D models (fundamental features, principles)</i> <ul style="list-style-type: none"> - <i>u utilisation of “EXTRUDE TOOL” for creation of all extruded features relating to solid protrusions and cuts, thin protrusions and cuts, extruded surfaces</i> - <i>creation of component parts where the sketched centreline is used - utilisation of REVOLVE TOOL” for creation of all revolved features in relation to solid protrusions and cuts, thin protrusions and cuts, revolved surfaces</i> - <i>creation of component parts which are rounded – utilisation of “ROUND TOOL” for creation of all rounded features in relation to solid protrusions and cuts, thin protrusions and cuts, rounded surfaces</i> - <i>creation of creation of component parts which are chamfered – utilisation of “CHAMFER TOOL” for creation of all chamfered features in relation to solid protrusions and cuts, thin protrusions and cuts, chamfered surfaces.</i> - <i>creation of drawing using the basic features from “DRAWING” menu</i> - <i>creation of assemblies using the basic features from “ASSEMBLY” menu</i> 					
Recommended or required literature: <i>Manual Books relating to Pro/engineer program</i>					
Language: <i>Slovak</i>					
Remarks: —					
Evaluation history: /Grading system/					
A	B	C	D	E	FX
<i>Excellent</i>	<i>Laudable</i>	<i>Good</i>	<i>Accepted results</i>	<i>Pass</i>	<i>Fail</i>
Lecturers: <i>doc. Ing. Ján Vavro, PhD</i>					

Last modification: <i>31.03.2014</i>
Supervisor: <i>doc. Ing. Marta Kianicová, PhD.</i>