

## Information sheet for the course CAD CAM I

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>					
<b>Faculty:</b> <i>Faculty of Industrial Technologies in Púchov</i>					
<b>Course unit code:</b> <i>MT-P-18</i>			<b>Course unit title:</b> <i>CAD CAM I</i>		
<b>Type of course unit:</b> <i>compulsory</i>					
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 0</i> <i>Seminar: 0</i> <i>Laboratory tutorial: 2 hours weekly/26 hours per semester of study; face to face</i>					
<b>Number of credits:</b> <i>2</i>					
<b>Recommended semester:</b> <i>the 3<sup>rd</sup> semester in the 2<sup>nd</sup> year of the full-time form of study,</i> <i>the 5<sup>th</sup> semester in the 3<sup>rd</sup> year of the part-time form of study.</i>					
<b>Degree of study:</b> <i>the 1<sup>st</sup> degree of study (Bachelor's degree)</i>					
<b>Course prerequisites:</b> <i>accomplishment of MT-P-3 (Technical Documentation)</i>					
<b>Assessment methods:</b> <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>					
<b>Learning outcomes of the course unit:</b> <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>					
<b>Course contents:</b> <i>Fundamental or basic principles or features relating to Pro/engineer program:</i> <ul style="list-style-type: none"> <li>- <i>creation of 2-D drawings – SKETCHER</i></li> <li>- <i>creation of 3-D models (fundamental features, principles)</i> <ul style="list-style-type: none"> <li>- <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></li> <li>- <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></li> <li>- <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></li> <li>- <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></li> </ul> </li> </ul>					
<b>Recommended or required literature:</b> <i>Manual Books relating to Pro/engineer program</i>					
<b>Language:</b> <i>Slovak</i>					
<b>Remarks:</b> —					
<b>Evaluation history: /Grading system/</b>					
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>
<b>Lecturers:</b> <i>doc. Ing. Ján Vavro, PhD</i>					
<b>Last modification:</b> <i>31.03.2014</i>					
<b>Supervisor:</b> <i>doc. Ing. Marta Kianicová, PhD.</i>					