

## Information sheet for the course Mechanical Testing of Materials

<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>TTN-P-27</i>			<b>Course unit title:</b> <i>Mechanical Testing of Materials</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: 4 hours weekly/52 hours per semester of study; face to face</i>					
<b>Number of credits:</b> <i>4</i>					
<b>Recommended semester:</b> <i>the 5<sup>th</sup> semester in the 3<sup>rd</sup> year full-time form of study</i> <i>the 7<sup>th</sup> semester in the 4<sup>th</sup> year 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>					
<b>Assessment methods:</b> <i>The elaboration 12 outputs in the form of laboratory exercises that are rated in the A to E. The credits will be not granted to a student who does not complete the prescribed number of exercises (10) and outputs (12).</i>					
<b>Learning outcomes of the course unit:</b> <i>The student has the practical skills gained by working in a laboratory. Is able the laboratory equipment to measure and evaluate the properties of yarns, woven fabrics and knitted fabric</i>					
<b>Course contents:</b> <i>Measurement of mechanical properties of threads. Shrinkage and fundiform of threads. Measurement of linear density and twist of threads. Material road-surface irregularity of threads - objective and subjective method. Mechanical properties of woven fabrics and knitted fabric Abrasion and pilling of textile fabrics. Creasy of textile fabrics angular method and by means of a hollow cylinder. Measurement of porosity woven fabrics.</i>					
<b>Recommended of required reading:</b> <i>1. Lizák, P. Legerská, J.: Textilné materiály - laboratorne cvičenia FPT Púchov 2009.</i> <i>2. Príslušné normy STN, EN, ISO</i>					
<b>Language:</b> <i>Slovak</i>					
<b>Remark:</b> <i>The capacity of the subject is limited space laboratory and instrumentation equipment for a maximum of 10 students during exercise</i>					
<b>Evaluation history</b>					
A	B	C	D	E	FX
28.57	17.86	28.57	25.0	0.0	0.0
<b>Lecturers:</b> <i>Ing. Jela Legerská, PhD.</i>					
<b>Last modification:</b> <i>16.03.2015</i>					
<b>Supervisor:</b> <i>doc. Ing. Pavol Lizák, PhD.</i>					