

**Information sheer for the course
Operational Diagnostics and Defectoscopy**

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of industrial Technologies in Púchov</i>					
Course unit code: <i>TTN-P-30</i>			Course unit title: <i>Operational Diagnostics and Defectoscopy</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: 0</i> <i>Laboratory tutorial: 2 hours weekly/26 hours per semester of study; face to face</i>					
Number of credits: <i>3</i>					
Recommended semester: <i>the 6th semester in the 3rd year full-time form of study</i> <i>the 6th semester in the 3rd year part-time form of study</i>					
Degree of study : <i>the 1st degree of study (Bachelor's degree)</i>					
Course prerequisites:					
Assessment methods: <i>Active participation in laboratory exercises with outputs in the form of evaluation protocols for basic analysis of woven fabrics and knitted fabric For pass the course should be submitted 5 laboratory protocols.</i>					
Learning outcomes of the course unit: <i>The student masters the knowledge of methods of analysis textile fabrics. He knows the methods of measurement and evaluation of basic properties of woven fabrics and yarns.</i>					
Course contents: <i>The determination of the basic parameters of the warp and weft threads in the woven fabrics. The measurement sett of woven fabric shortening owing to weaving, surface and the specific weight woven fabrics. Calculation cover and porosity of woven fabrics. Density measurement and entanglement, surface and specific weight of knitted fabric Analysis and drawing knitting fabric. Colour fastness of textiles.</i>					
Recommended of required reading: <i>1. Lizák, P. Legerská, J.: Textilné materiály - laboratórne cvičenia FPT Púchov 2009.</i> <i>2. Príslušné normy STN, EN, ISO</i>					
Language: <i>Slovak</i>					
Remark:					
Evaluation history:					
A	B	C	D	E	FX
Lecturers: <i>Ing. Jela Legerská, PhD.</i>					
Last modification: <i>16.03.2015</i>					
Supervisor: <i>doc. Ing. Pavol Lizák, PhD.</i>					