

Information sheet for the course Technical Textiles

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>					
Course unit code: <i>TTN-P-31</i>			Course unit title: <i>Technical Textiles</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>Lecture: 4 hours weekly/52 hours per semester of study; face to face</i> <i>Seminar: 0</i> <i>Laboratory tutorial: 0</i>					
Number of credits: <i>5</i>					
Recommended semester: <i>the 6th semester in the 3rd year full-time form of study</i> <i>the 8th semester in the 4th 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>The examination syllabus.</i>					
Learning outcomes of the course unit: <i>The student will obtain information on the essential characteristics of the preparation and properties of technical textiles and their field of application in practice. (eg. the automotive industry)</i>					
Course contents: <i>Basic characteristics and distribution of technical textiles. The current state and prospects of development of technical textiles. Smart fabrics, geotextiles, application of technical textiles in medical, military, industrial textiles, filters, transport and protective clothing. The influence of the structure of materials at the special properties of technical textiles. Composite materials. Application of technical textiles in the design and development of new products.</i>					
Recommended of required reading: <i>1. Lizák, P., Militký, J.: Technické textilie, ISBN: 80-968674-0-7, Ružomberok, 2002.</i> <i>2. Lizák, P.: Evaluation methods of materials structure, Krakow, Towarzystwo Słowaków w Polsce, 2011, ISBN: 978-83-7490-384-4, 86s.</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history:					
A	B	C	D	E	FX
5.32	36.17	20.21	17.02	10.64	10.64
Lecturers: <i>doc. Ing. Pavol Lizák, PhD.</i>					
Last modification: <i>16.03.2015</i>					
Supervisor: <i>doc. Ing. Pavol Lizák, PhD.</i>					