

**Information sheet for the course
Structure and Analysis of Knitted Fabrics**

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of industrial Technologies in Púchov</i>					
Course unit code: <i>TTN-P-20</i>			Course unit title: <i>Structure and Analysis of Knitted Fabrics</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: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Laboratory tutorial: 0</i>					
Number of credits: <i>5</i>					
Recommended semester: <i>the 4th semester in the 2nd year full-time form of study</i> <i>the 4th semester in the 2nd year part-time form of study</i>					
Degree of study : <i>the 1st degree of study (Bachelor's degree)</i>					
Course prerequisites: <i>TTN-P-6 Industrial Technologies</i>					
Assessment methods: <i>Practical proposals for flat stitch knitted fabric, double jersey knitted fabric and reversible knitting fabrics with using the knitting technique. The creation of textile accessories or clothing with knitting technique. Theoretical knowledge drawings structure of knitting fabrics and knowledge about their practical use (min. 75% success in exam). Credit shall not be granted to a student who fails to deliver the necessary outcomes from the exercise and not demonstrated the necessary theoretical knowledge</i>					
Learning outcomes of the course unit: <i>The student will obtain practical skills in of creating structure of knitting fabrics, knowledge drawings structures and their use in different assortment of knitting fabrics.</i>					
Course contents: <i>The patterning elements in the production of weft and warp structures knitting fabrics. Methods for plotting structure of knitting Weft single jersey structures with discard the needle from the activities discontinuous action needle, needle restricted activity, by exchanging yarns, changing the length of the thread through the eye and coverage. The structures with supplementary yarns velure, space. Petine structures . Weft double jersey structures reverse reverse, reverse right of side. Knitted fabric with reduced elongation, smah hand and double knitted fabric. Weft interlock structures. Warp single jersey and double jersey structures.</i>					
Recommended of required reading: <i>1. Kováříková, M. : Vězby a rozborů pletení, Alfa Bratislava 1987, ISBN 80-05-00273-4</i> <i>2. Kočí, V.: Pletárske vězby, SNTL Praha 1980</i>					
Language: <i>Slovak</i>					
Remark: <i>The capacity of the subject is limited technical equipment the workplace at max. number of 10 students during the exercise</i>					
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>					