

Information sheet for the course Industrial Technologies II

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>					
Course unit code: <i>TTN-P-19</i>			Course unit title: <i>Industrial Technologies II</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 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: <i>TTN-P-2 Basics of Textile and Clothing Production, TTN-P-6 Industrial technologies I</i>					
Assessment methods: <i>Project work</i>					
Learning outcomes of the course unit: <i>Students master the body of knowledge about basic textile technology processing and printing of textiles.</i>					
Course contents: <i>The course deals with information on reforming technology textile, printing of textile design. Introduction to textile processing arrangements, terms, distribution arrangements. Water in the textile processing. Pre-treatment plant fibers. Desiring, boiling, tanning, bleaching, Fluorescent brightening, mercerization Pretreatment animal fibers. Carbonization chlorination treatment, crabbing. Pretreatment of synthetic fibers. Fixation. Pretreatment of mixed materials Dyeing cellulosic materials. Reactive dyes, vat dyes, direct dyes. Coloring animal matter. Acidic, metal complex dyes. Dyeing of synthetic materials. Disperse dyes. The kinetics of dyeing, the composition of the spa, technological process of final processing after coloring Textile printing, development, printing methods. Printing paste thickener, auxiliaries. Technological process for printing. Printing cellulosic materials, for use colorants. Print animal and synthetic materials. Use dyes.</i>					
Recommended of required reading: <i>1. P. LIZÁK, J. MILITKÝ: Technické textilie, ISBN: 80-968674-0-7, Ružomberok</i> <i>2. PAVOL LIZÁK, JAROSLAV LIGAS.: Základy textilnej a odevnej výroby - I. vyd. - Ružomberok : TnUAD.KPD, 2010. - 89 s. - ISBN 978-80-969610-8-5.</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history:					
A	B	C	D	E	FX
9.41	15.29	18.82	28.24	28.24	0.0
Lecturers: <i>doc. Ing. Anna Murárová, PhD.</i>					
Last modification: <i>16.03.2015</i>					
Supervisor: <i>doc. Ing. Pavol Lizák, PhD.</i>					

