

Information sheet for the course History of techniques

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of special technology</i>					
Course unit code: <i>ŠST/B/1-03/d</i>			Course unit title: <i>History of techniques</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>1 hour of exercise per week</i>					
Number of credits: 2					
Recommended semester: <i>2st semester in the 1st year of study /full-time / 2st semester in the 1st year of study /part-time /</i>					
Degree of study: <i>I.</i>					
Course prerequisites: <i>none</i>					
Assessment methods: <i>100% attendance and active creative work on the seminar hours, the attainment of goals seminars, mastering technical terminology correctly semester work. Once during the semester written test. The ongoing evaluation is needed to get 40 points. Final assessment: Assignment form of a written test with emphasis on theoretical knowledge of compulsory literature. Of the 80 points is required to evaluate the minimum obtained: (E) - 55 points, (D) - 60 points (C) - 65 points (B) - 70 points (A) - 75 points.</i>					
Learning outcomes of the course unit: <i>The student will acquire the necessary insight into the history of his own field of study, so as to understand technology and engineering as extremely dynamic activity that the historical process has led to the continuous progress of mankind up to today's level of civilization.</i>					
Course contents: <i>The importance of the subject history of technology, its objectives and actions for their fulfillment, stone tools and the first metal objects, origins and expansion into science, war as an incentive technical inventions, processes of economic development of the first industrial revolution to the present, the creation and development of new branches of industry, where the transition to automotive Armour, development of transport, tight connection between the production technology and science, development of special techniques, the era of advanced technology, new focal points and lines of research, science and technology at the turn of the millennium, the importance of the development of technology and its impact on the world economy.</i>					
Recommended of required reading: <i>ELIÁŠ, J.: Dejiny zbraní a špeciálnej mobilnej techniky, Trenčín, TnUAD FŠT, 2007. ISBN 978-80-8075-2279</i> <i>WESSELY, E. - ŠEMINSKÝ, J.: Dejiny a vývoj techniky, TU Košice, Košice, 2000</i> <i>POTOČAN, J.: Filozofia vedy a techniky, STU Bratislava, 1995</i> <i>CHANT, CH.: Jak fungují zbrane. Svojtka a Vašut 1997</i> <i>HOGG, IAN, V.: Velká obrazová encyklopédia zbraní. Cesty 1996</i>					
Language: <i>Slovak</i>					
Remarks: <i>The subject is provided in the summer semester in the first year of full-time study Subject is required.</i>					
Evaluation history <i>Total number of students being evaluated: 429</i>					
A	B	C	D	E	FX
19,81	37,06	30,31	16,00	2,80	0,94
Lecturers: <i>Ing. Jozef Eliáš, PhD. - instructor</i> <i>Ing. Štefan Pivko, PhD. - instructor</i>					

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Supervisor: *prof. Ing. Jiří Balla, CSc., guarantee of the study program Special Mechanical Engineering Technology*