

**Information sheet for the course**  
**Special technology**

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>					
<b>Faculty:</b> <i>Faculty of special technology</i>					
<b>Course unit code:</b> <i>ŠST/B/1-41/d</i>			<b>Course unit title:</b> <i>Special technology</i>		
<b>Type of course unit:</b> <i>compulsory</i>					
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture 2 hours weekly, tutorial 1 hour weekly, seminar 1 hour weekly</i>					
<b>Number of credits:</b> 5					
<b>Recommended semester:</b> <i>4<sup>st</sup> semester in the 2<sup>st</sup> year of study /full-time / 6<sup>st</sup> semester in the 2<sup>st</sup> year of study /part-time /</i>					
<b>Degree of study:</b> <i>I.</i>					
<b>Course prerequisites:</b> <i>none</i>					
<b>Assessment methods:</b> <i>100 % attendance - seminars, tutorials, active, creative work, fulfillment of laboratory exercises goals, 60 % attendance - lectures, handling technical terminology, correctly elaborated semestral thesis, written test - twice per semester, 40 points needed from continuous assessment, Final assessment: written examination with emphasis on theoretical knowledge of the subject and oral examination, which verifies managing of description of functional parts of mobile technology. From the total number of 80 points is for evaluation required at last: (E) - 55 points, (D) - 60 points (C) - 65 points (B) - 70 points (A) - 75 points.</i>					
<b>Learning outcomes of the course unit:</b> <i>Student can analyze factual knowledge, principles and processes, general concepts in a broad context of construction and operation of special technology functional parts.</i>					
<b>Course contents:</b> <i>Concept of special technology. Characteristics and distribution of mobile military equipment (automobiles, tank, engineer technology), aircraft (airplanes and helicopters), weapons and ammunition in civilian sector (hunting, sport and expansion) and in the army (hand guns, artillery, missile weapons, ammunition). Characteristics of rescue services vehicles (for integrated rescue system). Characteristics, distribution, basic conceptual design of special technology. Technical requirements for special technology.</i>					
<b>Recommended of required reading:</b> <i>TVAROŽEK, J., GALETA, A.: Základy konštrukcie špeciálnej techniky = Lafetácia zbraní. I.diel zaťaženie, stabilita a kmitanie lafetácie - 1.vyd.. 2006. Trenčín: Trenčianska univerzita Alexandra Dubčeka v Trenčíne, ISBN 80-8075-181-1, 163 s.</i> <i>FIŠER, M., LIPTÁK, P., PROCHÁZKA, S., MACKO, M., JOZEFEK, M.: Automatické zbrane. Konštrukcia skúšanie - 1. vyd.. 2006. Trenčín: Trenčianska univerzita A. Dubčeka v Trenčíne, ISBN 80-8075-089-0, 263 s.</i> <i>LIPTÁK, P., KOPECKÝ, I.: Špeciálna technika. Stroje a zariadenia. - 1.vyd.. 2005. Trenčín: Trenčianska Univerzita Alexandra Dubčeka, ISBN 80-8075-053-X, 230 s.</i> <i>JOZEFEK, M, LIPTÁK, P.: Meranie a skúšanie špeciálnej techniky - 1.vyd.. 2005. Trenčín: Fakulta špeciálnej techniky Trenčianska univerzita Alexandra Dubčeka, ISBN 80-8075-097-1, 121 s. 27.obr 7.tab.</i> <i>BALAŠTÍK, P., WOLF, V., ČECH, V.: Lafetace děl - 1. vyd.. 1984. Brno: VAAZ, 3 s.</i> <i>GALETA, A., JOZEFEK, M., LIPTÁK, P.: Experimentálne metódy. Senzory - 1.vyd.. 2008. Trenčín: Trenčianska univerzita Alexandra Dubčeka, ISBN 978-80-8075-320-7, 101s.</i>					
<b>Language:</b> <i>Slovak</i>					
<b>Remarks:</b> <i>Compulsory subject, taught in 2<sup>nd</sup> year of full-time study in summer semester.</i>					
<b>Evaluation history</b> <i>Total number of students being evaluated: 317</i>					
A	B	C	D	E	FX

1,85	10,16	20,06	30,04	34,55	3,34
<b>Lecturers:</b> <i>prof. Ing. Jiří Balla, CSc. - lecturer</i> <i>Ing. Ján Tvarožek, PhD. - instructor</i>					
<b>Last modification:</b> <i>15.4.2014</i>					
<b>Supervisor:</b> <i>prof. Ing. Jiří Balla, CSc., guarantee of the study program "Special Mechanical Engineering Technology".</i>					