

Information sheet for the course
Special articles VI - Metallurgical forming of semiproducts for application
in special technology

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of special technology</i>					
Course unit code: <i>STaM/D/3-18/d</i>			Course unit title: <i>Special articles VI - Metallurgical forming of semiproducts for application in special technology</i>		
Type of course unit: <i>optional</i>					
Planned types, learning activities and teaching methods: <i>Lectures 2 hours per week, full-time method.</i>					
Number of credits: <i>5</i>					
Recommended semester: <i>3rd semester in the 2nd year</i>					
Degree of study: <i>III.</i>					
Course prerequisites: <i>none</i>					
Assessment methods: <i>100% attendance on seminars, 60 % attendance on lectures, successful submission of the seminar paper, proof of acquired knowledge from the subject with using oral and written examination.</i>					
Learning outcomes of the course unit: <i>The student will acquire a systematic, coherent and comprehensive body of knowledge about the importance of forging blanks intended for special technique, teach them how to properly select the individual forming technology depending on what function is a semi-finished product, to teach students to choose the optimal materials for forming and binding to their exploitation with possible application in science and research.</i>					
Course contents: <i>The characteristics of materials intended for forming. Forming medium and high alloy steels. Heating the material to shaping, conduct physical and chemical processes. Forming high strength steels. Forming new and highly stressed parts of weapon systems by forging and pressing. Advantages of forged and extruded semi-finished products intended for special equipment. Effect of forming the mechanical and physical properties of the product. Characteristics of the forming tools and instruments intended for art class for special purposes. Life tools and instruments, ways of increasing life. Energy media during molding.</i>					
Recommended of required reading: <i>Internal test reports blanks special equipment, ZTS Dubnica Internal reports vysokonamáhaných-parts THU - Konštrukta Defence Trenčín Unpublished study materials of special equipment.</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history <i>Total number of students being evaluated:</i>					
A	B	C	D	E	FX
0, 0	0,0	0,	0,0	0,0	0,0
Lecturers: <i>Assoc. prof. Ing. Ondrej Híreš, CSc.</i>					
Last modification: <i>15.4.2014</i>					
Supervisor: <i>prof. Ing. Vojtěch Hrubý, CSc., guarantee of the study program “Technologies and Materials in Mechanical Engineering“, Assoc. prof. Ing. Ondrej Híreš, CSc., Assoc. prof. Ing. Viliam Cibulka, CSc. – together-guarantors.</i>					

