

Information sheet for the course Repair and renovation technologies

University: Alexander Dubček University of Trenčín					
Faculty: <i>Faculty of special technology</i>					
Course unit code: UŠMT/I/3-51/d			Course unit title: <i>Repair and renovation technologies</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>Lectures - 2 hours weekly, laboratory seminars - 2 hours weekly</i>					
Number of credits: 6					
Recommended semester: <i>1st semester in the 1st year (full-time)</i> <i>1st semester in the 1st year (part-time)</i>					
Degree of study: <i>II. (engineer)</i>					
Course prerequisites: <i>Material Science I., Material Science II.</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 has knowledge of cross-field focused on the application to use the knowledge and ability to use knowledge of engineering technology, manufacturing technology and materials to the repair process can be realized respectively. designed an appropriate procedure that systematically leads to the solution. Furthermore impose requirements on the consistent use of utility values to materials in terms of quality and effectiveness of repairs, especially when welding and new technological methods and procedures appropriate for the repair of modern automotive units and their components.</i>					
Course contents: <i>The student has knowledge of cross-field focused on the application to use the knowledge and ability to use knowledge of engineering technology, manufacturing technology and materials to the repair process can be realized respectively. designed an appropriate procedure that systematically leads to the solution. Furthermore impose requirements on the consistent use of utility values to materials in terms of quality and effectiveness of repairs, especially when welding and new technological methods and procedures appropriate for the repair of modern automotive units and their components.</i>					
Recommended of required reading: <i>HRIVŇÁK, I.: Zváranie a zvariteľnosť materiálov, Citadella, Bratislava 2013., 496 s</i> <i>ORSZÁGH, P. - ORSZÁGH, V.: Zváranie MIG/MAG ocelí a neželezných kovov, Polygrafia SAV, Bratislava, 2000.</i> <i>DILLINGER, J. a kol.: Moderní strojírenství pro školu i praxi, EUROPA - SOBOTÁLES cz., Praha 2007, 608 s.</i> <i>PTÁČEK, L. a kol.: Náuka o materiálu II., Brno: Akademické nakladatelství CERM, 2003</i>					
Language: <i>Slovak, English</i>					
Remarks:					
Evaluation history: <i>Celkový počet hodnotených študentov: 70</i>					
A	B	C	D	E	FX
2,86	24,29	32,86	28,57	11,43	0,0
Lecturers: <i>Assoc.prof. Ing. Harold Mäsiar, CSc.</i> <i>Ing. Daniela Antalová, PhD.</i>					
Last modification: <i>15.4.2014</i>					
Supervisor: <i>prof. Ing. Alexej Chovanec, CSc., guarantee of the study program „Maintenance and Repair of Special Mobile Technology“.</i>					

