

Information sheet for the course
Selected Chapters from Advanced Composite Materials

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>	
Course unit code: <i>MI-I-PV-30</i>	Course unit title: <i>Selected Chapters from Advanced Composite Materials</i>
Type of course unit: <i>optional</i>	
Planned types, learning activities and teaching methods: <i>Subject of state examination / face-to-face</i>	
Number of credits: <i>2</i>	
Recommended semester: <i>4th semester in the 2nd year full-time</i> <i>6th semester in the 3rd year part-time</i>	
Degree of study: <i>the 2nd degree of study (Engineer's degree)</i>	
Course prerequisites: <i>completing all compulsory and compulsory optional courses in the curriculum, including course unit code MI-I-P-20 "Advanced Composite Materials"</i>	
Assessment methods: <i>Successful completing of the subject of the state examination</i>	
Learning outcomes of the course unit: <i>The student successfully completes the subject of the state examination</i>	
Course contents: <i>Aeronautical composite materials</i> <i>Composite materials for railway rolling stock</i> <i>Textile composite materials</i> <i>Composite materials for building industry</i> <i>Wood-polymer composite</i> <i>Composite materials used in sports and tourism</i> <i>Hybrid composite – tyre</i> <i>New methods of production of advanced composites</i> <i>Gluing and bonding of materials for composites</i> <i>Pre-pregs used for complex structural elements</i> <i>Concepts of models made of composite materials</i>	
Recommended references and resources: <ol style="list-style-type: none"> 1. POKLUDA, J., KROUPA, F., OBDRŽÁLEK, L. <i>Mechnické vlastnosti a struktura pevných látek</i>. Brno 1994. p. 386. ISBN 80-214-0575-9. 2. ASM Metals Handbook: Failure analysis and Prevention, Vol. 11, pp. 1039-1071. 	
Language: <i>Slovak</i>	
Remarks: <i>Remarks pertaining to the subject can be mentioned: e.g. that the subject can be presented only in the winter semester, or if at least 15 students are enrolled, or if the capacity of the subject is limited to 40 students then from a higher number students can be selected to fit the capacity</i>	
Evaluation history: <i>Number of classified students : 0</i>	

A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Lecturers: <i>prof. Ing. Františka Pešlová, PhD.</i>					
Last modification: <i>31.03.2014</i>					
Supervisor: <i>Prof. Ing. Darina Ondrušová, PhD.</i>					