

Information sheet for the course Mechanical Tests of Materials

University: <i>Alexander Dubček University of Trenčín</i>																
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>																
Course unit code: <i>MT-P-32</i>	Course unit title: <i>Mechanical Tests of Materials</i>															
Type of course unit: <i>compulsory</i>																
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Seminar: 0</i> <i>Laboratory tutorial: 2 hours weekly/26 hours per semester of study</i>																
Number of credits: <i>4</i>																
Recommended semester: <i>5th semester in the 3rd year full-time</i> <i>7th semester in the 4th year part-time</i>																
Degree of study: <i>the 1st degree of study (Bachelor's degree)</i>																
Course prerequisites: <i>MT-P-4 Material Science I, MT-P-29 Material Science II</i>																
Assessment methods: <i>1. Submission of three papers on the measurement of mechanical properties of materials</i> <i>2. Passing the test number 1 and number 2 test with 10 questions and evaluation</i>																
<table style="margin-left: 40px; border: none;"> <tr> <td style="padding-right: 20px;"><i>15-16</i></td> <td style="padding-right: 20px;"><i>points</i></td> <td><i>A</i></td> </tr> <tr> <td><i>14-14,5</i></td> <td><i>points</i></td> <td><i>B</i></td> </tr> <tr> <td><i>11,5-13,5</i></td> <td><i>points</i></td> <td><i>C</i></td> </tr> <tr> <td><i>10,5-11</i></td> <td><i>points</i></td> <td><i>D</i></td> </tr> <tr> <td><i>8-10</i></td> <td><i>points</i></td> <td><i>E</i></td> </tr> </table>		<i>15-16</i>	<i>points</i>	<i>A</i>	<i>14-14,5</i>	<i>points</i>	<i>B</i>	<i>11,5-13,5</i>	<i>points</i>	<i>C</i>	<i>10,5-11</i>	<i>points</i>	<i>D</i>	<i>8-10</i>	<i>points</i>	<i>E</i>
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Learning outcomes of the course unit: <i>The student has knowledge in the field of testing and evaluation of the tests of mechanical properties of various construction materials with regard to operating conditions.</i>																
Course contents: <i>The course unit provides the students with the body of knowledge defining the essence of properties of various types of construction materials and their behaviour in different loading conditions .</i> <i>It deals with the experimental methods of their evaluation.</i> <i>University students are acquainted with methodology of performing of destructive and non-destructive tests for evaluation of the mechanical and technological properties of the construction materials.</i>																
Recommended of required reading: <i>1. SKOČOVSKÝ, P. - BOKŮVKA, O. – PALČEK, P. : Náuka o materiáli. Žilina, EDIS, 2000. 199 s. ISBN 80-7100-303-4</i> <i>2. ASM HADNBOOK: Testing and Evaluation. ASM International. 2000. Vol. 8. pp. 2235 ISBN 0-87170-389-0</i> <i>3. VAJDOVÁ, J. – ŠTUBŇA, M. – OLŠOVSKÝ, M. : Laboratórium odboru II. Chemické a fyzikálne – mechanické skúšky. TnUAD FPT Púchov. 2003. 160 s. ISBN 80-8075-010-6</i> Platné normy STN EN																
Language: <i>Slovak</i>																

Remarks:					
Evaluation history:					
<i>Total number of evaluated students: 59</i>					
A	B	C	D	E	FX
6.78	18.64	38.98	16.95	18.64	0.0
Lecturers: <i>doc. Ing. Ondrej Nemčok, PhD., Ing. Rudolf Valášek</i>					
Last modification: <i>31.03.2014</i>					
Supervisor: <i>doc. Ing. Marta Kianicová, PhD.</i>					