

## Information sheet for the course Machine Parts and Mechanisms II

<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/4-46/d</i>			<b>Course unit title:</b> <i>Machine Parts and Mechanisms II</i>		
<b>Type of course unit:</b> <i>compulsory</i>					
<b>Planned types, learning activities and teaching methods:</b> <i>2 lecture hours and 2 hour seminar per week</i>					
<b>Number of credits:</b> <i>3</i>					
<b>Recommended semester:</b> <i>5<sup>th</sup> semester in the 3<sup>rd</sup> year of study /full-time / 6<sup>th</sup> semester in the 3<sup>rd</sup> year of study /part-time /</i>					
<b>Degree of study:</b> <i>I.</i>					
<b>Course prerequisites:</b> <i>ŠST/B/4-45d Machine Parts and Mechanisms I</i>					
<b>Assessment methods:</b> <i>Continuous assessment: at least 85% participation in exercises, maximum 2 absences, test, processing and submit of semester assignments. Credit: submit processed tasks and get 20 points out of a possible 40 points. Final assessment: test in a written test (maximum 60 points). Point-rated evaluation criteria from a total of 100 points: (E) ≥ 56 points, (D) ≥ 65 points, (C) ≥ 74 points, (B) ≥ 83 points, (A) ≥ 92 points.</i>					
<b>Learning outcomes of the course unit:</b> <i>The student has knowledge of analysis and synthesis of mechanisms for mechanical power transmission, focuses on learning about the function, designing, dimensioning and construction of various construction elements.</i>					
<b>Course contents:</b> <i>Methodology of design of transmission mechanisms, basic terminology. Flexible couplings - calculation method worst-case load. Spur and bevel gears. Strength calculation of spur and bevel gears. Planetary mechanisms. Chain and belt drives.</i>					
<b>Recommended of required reading:</b> <i>BOŠANSKÝ, M. a kol.: Konštruovanie II - Konštrukčné uzly, STU Bratislava, 2011, 326 s., ISBN 978-80-227-3510-0, BOLEK, A. - KOCHMAN, J. a kol.: Části strojů 2, SNTL Praha, 1990, 712 s., ISBN 80-03-00426-8, NĚMEC, A., BOHÁČEK, F.: Části strojů III. Hřídele, ložiska a spojky, VUT Brno 1964, 308 s., MÁLIK, L. a kol.: Části a mechanismy strojov. EDIS - vydavateľstvo ŽU, Žilina 2003, ŠVEC, V.: Části a mechanismy strojů. Ozubené převody., ČVUT Praha, 1986, 240 s.</i>					
<b>Language:</b> <i>Slovak</i>					
<b>Remarks:</b> <i>The subject is provided in the winter semester in the third year of full-time study. Compulsory subject.</i>					
<b>Evaluation history</b> <i>Total number of student being evaluated: 210</i>					
A	B	C	D	E	FX
15,24	23,33	25,24	21,43	14,29	0,48
<b>Lectures:</b> <i>prof. Ing. Jozef Turza, CSc. - lecturer Ing. Pavol Tököly, PhD. - lecturer, assistant 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>					