

Information sheet for the course Machine Parts and Mechanisms II

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of special technology</i>					
Course unit code: <i>MŠT/B/4-46/d</i>			Course unit title: <i>Machine Parts and Mechanisms II</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>2 lecture hours and 2 hour seminar per week, face to face method.</i>					
Number of credits: <i>3</i>					
Recommended semester: <i>5th semester in the 3rd year (full-time)</i> <i>65th semester in the 3rd year (part-time)</i>					
Degree of study: <i>I. (bachelor)</i>					
Course prerequisites: <i>MŠT/B/4-45d Machine Parts and Mechanisms I</i>					
Assessment methods: <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>					
Learning outcomes of the course unit: <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>					
Course contents: <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>					
Recommended of required reading: <i>BOŠANSKÝ, M. a kol.: Konštruovanie II - Konštrukčné uzly, STU Bratislava, 2011, 326 s., ISBN 978-80-227-3510-0,</i> <i>BOLEK, A. - KOCHMAN, J. a kol.: Části strojů 2, SNTL Praha, 1990, 712 s., ISBN 80-03-00426-8,</i> <i>NĚMEC, A., BOHÁČEK, F.: Části strojů III. Hřídele, ložiska a spojky, VUT Brno 1964, 308 s.,</i> <i>MÁLIK, L. a kol.: Části a mechanismy strojov. EDIS - vydavateľstvo ŽU, Žilina 2003,</i> <i>ŠVEC, V.: Části a mechanismy strojů. Ozubené převody., ČVUT Praha, 1986, 240 s.</i>					
Language: <i>Slovak</i>					
Remarks: <i>The subject is provided in the winter semester in the third year of full-time study</i>					
Evuation history <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
Lectures: <i>prof. Ing. Jozef Turza, CSc. - lecturer</i> <i>Ing. Pavol Tököly, PhD. - lecturer, assistant instructor</i>					
Last modification: <i>15.4.2014</i>					
Supervisor: <i>Assoc. prof. Ing. Peter Lipták, CSc., guarantee of the study program "Mechanisms in Special Technology".</i>					