## Information sheet for the course Selected Chapters from Mechanics

Selected Chapters from Mechanics					
University: Alexander Dubček University of Trenčín Faculty: Faculty of Industrial Technologies in Púchov					
					Course unit code: TTN-P-9
	Mechanics				
Type of course unit: compulsory					
Planned types, learning activities and teaching	ng methods:				
Lecture: 2 hours weekly/26 hours per semester of study; face to face					
Seminar: 2 hours weekly/26 hours per semester of study; face to face					
Laboratory tutorial:0					
Number of credits: 4					
<b>Recommended semester:</b> the 2 <sup>nd</sup> semester in t	he 1 <sup>st</sup> vear of the full-time form of study				
the $4^{th}$ semester in the $2^{nd}$ year of the part-time form of study.					
<b>Degree of study:</b> the 1 <sup>st</sup> degree of study (Bachelor's degree)					
Course prerequisites: none					
Assessment methods:					
To accomplish the given subject, student is obliged to be present at the lessons with the reference to					
specifications introduced in the study rules for the given study programme. He/she is also obliged to					
	or terminal work, while the given work consists of				
- · · ·	sks including bar construction, beam construction and				
solid entity system.					
Learning outcomes of the course unit:	and and four dama and all an in similars in the field of the survey				
Student has acquired and is familiar with all required and fundamental principles in the field of the most					
important systems of mechanics. He/she is able to solve the tasks and problems relating to vector mechanics (point balance, solid entity balance, balance of solid entity systems or constructions, passive					
resistances as well as kinematics of point and solid entity).					
Course contents:					
	and fundamental rules. Force systems. Static				
connections and relationships. Point balance, solid entity balance and balance of solid entity					
systems as well as constructions. Centre of gravity for solid entity. Bar constructions. Friction.					
Introduction to kinematics of point, solid entity and determination of distance as well as speed					
and acceleration for point and solid entity. Linear, rotation and any other types of 2-D motion					
for solid entity. 3-D motion for solid entity.					
Recommended or required literature:					
-	XA I-Statika, Fakulta priemyselných technológií so				
sídlom v Púchove, TnUAD v Trenčíne, 2					
	íklady, ŽU v Žiline 1996, ISBN 80-7100-381-6.				
3. VAVRO, J., KOPECKÝ, M.: Nové prostriedky a metódy riešenia sústav telies I, ZUSI					
v Žiline 2001, ISBN 80-968605-0-X.					
4. JANČINA, J., PEKÁREK, F.: Kinematika	ı, Alfa Bratislava1987				
Language: Slovak					

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Remarks: —							
Evaluation history: /Grading system/							
А	В	С	D	Е	FX		
Excellent	Laudable	Good	Accepted results	Pass	Fail		
Lecturers: prof. Ing. Ján Vavro, PhD., doc. Ing. Ján Vavro, PhD.							
Last modification: 31.03.2014							
Supervisor: doc. Ing. Pavol Lizák, PhD.							