

**Pre exam Duties** 

## **UNIVERSITY OF NIŠ**

Course Unit Descriptor		Faculty	у	Faculty of Me	echanical Engineer	ing	
GENERAL INFORMATION							
Study Program	Traffic engineering, transport and logistics						
Study Module (if applicable)	-						
Course Title	Hydraulic and pneumatic systems of vehicles						
Level of Study	□Bachelor ⊠Master's □ Doctoral						
Type of Course	□Obligatory ⊠Elective						
Semester	□Autumn	1	⊠Sprin	ıg			
Year of Study	1						
Number of ECTS Allocated	6						
Name of Lecturer/Lecturers	Dragoslav	B. Janošević					
Teaching Mode	⊠ Lecture	⊠ Lectures		o tutorials	Individual tutorials		
	🛛 Laborat	🛛 Laboratory work		ct work	🛛 Seminar		
	□ Distance learning		🗆 Blend	ded learning	□ Other		
Purpose and Overview (max. 5 s	entences)						
Analysis of the concepts and para transmission of vehicles. Hydrau pneumatic systems of vehicles.	-				-		
Syllabus (brief outline and sumr	nary of topics	s, max. 10 sente	ences)				
<ol> <li>Functions of the hydraulic a Hydrodynamic torque converte transmission of vehicles, 6) Hydr vehiclesmanipulator, 7) Hydrost Characteristics of pneumatic br vehicle.</li> </ol>	rs and gearb odynamic and atic steering	ooxes, 4) Hyd d hydrostatic b systems of ve	rostatic oraking sy ehicles, g	transmissions ystems of vel )Power stee	s of vehicles, 5) nicles 7) Hydrostat ring, 10) Pneumat	Control of hydrostatic ic drive mechanisms of tic vehicle systems, 11	
Language of Instruction							
⊠Serbian (complete course)	🛛 En	glish (complete	e course)	□ 0	ther	(complete course)	
□Serbian with English mentorin	g □Ser	bian with othe	er mentor	ing			
Assessment Methods and Crite	ria						

Points Final Exam

Points

Activity During Lectures	5	Written Examination	50				
Practical Teaching	10	Oral Examination	Max. 35 (depending on Teaching Colloquia)				
Teaching Colloquia	35	Overall Sum	100				
*Final examination mark is formed in accordance with the Institutional documents							