

UNIVERSITY OF NIŠ

Course Unit Descriptor		Faculty	y Fa	aculty of Med	chanical Engineering		
GENERAL INFORMATION							
Study Program	Mechanical Engineering						
Study Module (if applicable)	-						
Course Title	Hydraulic transmission						
Level of Study	Bachelor		□ Master's		Doctoral		
Type of Course	□ Obligatory		⊠ Elective				
Semester	🗆 Autumn		🛛 Spring	3			
Year of Study	IV						
Number of ECTS Allocated	6						
Name of Lecturer/Lecturers	Živan T. Spasić, Saša Milanović						
	⊠ Lectures		□ Group tutorials		Individual tutorials		
Teaching Mode	🛛 Laborat	🛛 Laboratory work		t work	Seminar		
	Distance	e learning	🗆 Blende	ed learning	□ Other		
Purpose and Overview (max. 5 sentences)							
The aim of the course is to introduce all students to hydraulic transmission systems. The course is targeting both the theoretical and practical aspects of the hydraulic transmission, their construction, operating characteristics and practical use.							
Syllabus (brief outline and summary of topics, max. 10 sentences)							
and unregulated). 2) The character transmissions (hydrostatic and hy displacement hydraulic motors. 5 the principles of operation. 6) The joint work of the engine and the	teristics of t dromechanic 5) Hydrodyna e performan e hydrodyna	he displacem cal transmissic amic coupling ce of the hydr mic coupling.	ent pumps on). 4) Reg s and gear odynamic . 8) The pe	s and hydrau ulated hydra boxes. Cons couplings. B erformance	nd closed circulation contour, regulated ulic motors. 3) Non-regulated hydraulic ulic transmissions-tanks and / or variable truction description and explanation of raking mode. 7) The performance of the of the joint work of the hydrodynamic Basic calculation of the hydrodynamic		
Language of Instruction							
Serbian (complete course)							
□ Serbian with English mentoring □ Serbian with other mentoring							
Assessment Methods and Criteria							
Pre exam Duties	Point	ts Final Exam	ı	Points			

Activity During Lectures	5	Written Examination	0			
Practical Teaching	5	Oral Examination	50			
Project Design	40	Overall Sum	100			
*Final examination mark is formed in accordance with the Institutional documents						