

UNIVERSITY OF NIŠ

Course Unit Descriptor		Faculty	/ Fa	aculty of Me	chanical Engineering			
GENERAL INFORMATION								
Study Program	Mechani	Mechanical Engineering						
Study Module (if applicable)	-	-						
Course Title	Drive syste	Drive systems						
Level of Study	⊠Bachelo	Bachelor 🗆 Master's 🗆 Doctoral						
Type of Course	□ Obligate	Obligatory Elective						
Semester	Autumr	□ Autumn ⊠ Spring						
Year of Study		m						
Number of ECTS Allocated	6	6						
Name of Lecturer/Lecturers	Dragoslav	Dragoslav B. Janošević, Goran S. Petrović						
	⊠ Lecture	⊠ Lectures		tutorials	Individual tutorials			
Teaching Mode	🛛 Laborat	🗵 Laboratory work		t work	🖾 Seminar			
	🗆 Distance	□ Distance learning		ed learning	□ Other			
Purpose and Overview (max. 5 s	sentences)							
Analysis and calculation of the t electro-driving systems, battery c to describe mechanical, hydrodyn	ransport and t Irives and inte amic, hydrosta	traffic techniqu rnal combustio atic transmissio	ies drive s on engines. ons and dri	ystems. This . After compl ving mechani	course aims to introduce students to the letion of the subject the students are able isms.			
Syllabus (brief outline and sumr	nary of topics	, max. 10 sente	ences)					
1) Defining the drive systems; 2) techniques driving systems; 3) E mobile machines and vehicles dr engines; 6) Criteria defining for driving systems; 8) Analysis of transmissions 11) Regulation of h) Analysis and lectro-driving riving systems diesel engine hydrodynamic nydrostatic driv	calculation of systems and b ; 5) The princi selection in m transmissions ving systems e	functions pattery dri ple of ope obile mac s; 9) Hydi <u>Ma,</u> 12) An	s, concepts a ives; 4) Crite eration, sub- hines and ve rostatic drivi alysis of leve	and parameters of transport and traffic ria defining for electro-drive selection in systems and characteristics of the diesel chicles driving systems; 7) Hydrodynamic ing systems; 10) Analysis of hydrostatic er driven mechanisms.			
Language of Instruction								
Serbian (complete course)	🗆 Eng	glish (complete	e course)	□ Ot	her (complete course)			
Serbian with English mentorin	lg □Ser	bian with othe	r mentorir	ng				
Assessment Methods and Crite	ria			_				
Pre exam Duties	Poin	ts Final Exam		Points				

Activity During Lectures	5	Written Examination	60 (depending on Teaching Colloquia)			
Practical Teaching	5	Oral Examination	30			
Teaching Colloquia	60	Overall Sum	100			
*Final examination mark is formed in accordance with the Institutional documents						