

UNIVERSITY OF NIŠ

Course Unit Descrip	otor	Faculty		Faculty of Me	chanical Engine	eering	
GENERAL INFORMATION							
Study Program	Traffic engineering, transportation and logistics						
Study Module (if applicable)	-						
Course Title	Mechatronic systems in traffic and transportation						
Level of Study	□Bachelor		⊠Mast	er's	☐ Doctoral		
Type of Course	☐ Obligator	у	⊠ Elec	tive			
Semester	⊠ Autumn		□Sprin	g			
Year of Study	I						
Number of ECTS Allocated	6						
Name of Lecturer/Lecturers	Miloš S. Miloš	šević					
Teaching Mode	☑ Lectures☑ Laboratory work☐ Distance learning		☑ Group tutorials☑ Project work☐ Blended learning		☑ Individual t☑ Seminar☐ Other	cutorials	
Purpose and Overview (max. 5 ser	·						
Getting to know the principles of operareindispensable equipment that in energy efficiency, environmental as operation of mechatronic systems uthroughpractical training to identify different conditions of use.	modern vehic pects and com sed in moderi	cles and in the on fort.Acquiring In motor vehicle	organiza theore es and t	ation of transp tical and pract raffic organiza	oort and transpo tical knowledge ation and transp	ortation affect the safety, of the principles of ortation. Empowerment	
Syllabus (brief outline and summa	ry of topics, r	nax. 10 senten	ces)				
Introduction to mechatronic system Sensors, actuators. Control of mechatronic systems in motor veh systems in traffic and transportation vehicles and their impact on energical applied mechatronic systems in mosystems in motor vehicles ensuring packages for diagnosis and testing traffic and transportation.	hatronic systo icles. Diagnos on. Telematics y efficiency, e otor vehicles. g their optimu	ems. Mechanic stics and testin s. Intelligent Tr nvironmental a Identify, meas im function un	cal, electing of meransport anspect, aure and der diff	trical and electrical and electrical and electrical system security and conditions and interest and interest security and interest conditions.	etronic compon stems in motor as. Trends in Me comfort.Examp of parameters cons of use. Wor	ents in motor vehicles. vehicles. Mechatronic echatronics in motor les of functioning of of applied mechatronic k with modern software	
Language of Instruction							
⊠Serbian (complete course)	□Englis	sh (complete c	ourse)	□ Ot	her	(complete course)	
⊠Serbian with English mentoring	□Serbi	an with other i	mentor	ing			

		Assessment Methods and Criteria						
nts	Final Exam	Points						
	Written Examination	0						
	Oral Examination	20						
	Overall Sum	100						
		Written Examination Oral Examination						

^{*}Final examination mark is formed in accordance with the Institutional documents