

## **UNIVERSITY OF NIŠ**

Course Unit Descrip	otor	Faculty	Faculty of Med	chanical Engineering		
ENERAL INFORMATION						
Study Program	Mechanical Engineering					
Study Module (if applicable)	-					
Course Title	Hydraulic and pneumatic elements on mechatronics					
Level of Study	⊠Bachelor	☐ Mas	ter's	□ Doctoral		
Type of Course	☐ Obligator	y 🗵 Elec	tive			
Semester						
Year of Study	III					
Number of ECTS Allocated	6					
Name of Lecturer/Lecturers	Dragiša Nikodijević					
	⊠ Lectures	☐ Grou	p tutorials	☐ Individual tutorials		
Teaching Mode	⊠ Laboratoi	ry work 🔲 Proje	ct work	☐ Seminar		
	☐ Distance I	earning   Blend	ded learning	☐ Other		
Purpose and Overview (max. 5 sen	itences)					
The aim of the course is to introdu targeting both the theoretical and p		•	•	e elements in mechatronics. The course is tems.		
Syllabus (brief outline and summa	ry of topics, r	max. 10 sentences)				
	hydraulic acc	umulators. 2) Contro	l and regulatio	rew). 2) Hydraulic motor, compressors, on: control valves, the pressure valves, ents. 4) Sealing.		
Language of Instruction						
⊠Serbian (complete course) □ English (complete course) □ Other(complete course)						
⊠Serbian with English mentoring	□Serbi	an with other mentor	ing			
Assessment Methods and Criteria						
Pre exam Duties	Points	Final Exam	Points			
Lecture (participation) + Homework 5		Written Examinatio	on o* (50)			
Laboratory	10	Oral Examination	Max. 30			

Two midterm exams	50	Overall Sum	100			
* Refers to students who have already gained points by completing pre-exam requirements						