

UNIVERSITY OF NIŠ

Course Unit Descriptor		Faculty	,	Faculty of Me	chanical Engineering	
GENERAL INFORMATION		-1				
Study Program	Mechanical Engineering					
Study Module (if applicable)	-					
Course Title	Computer Systems for Acquisition and Control					
Level of Study	□Bachelor □ Master's ⊠ Doctoral					
Type of Course	□ Obligatory					
Semester	⊠ Autumn □ Spring					
Year of Study	П					
Number of ECTS Allocated	10					
Name of Lecturer/Lecturers	Žarko Ćojbašić					
	⊠ Lectures	;	🗆 Grou	ıp tutorials	Individual tutorials	
Teaching Mode	🗵 Laboratory work		🛛 Project work		🖾 Seminar	
	□ Distance learning		Blended learning		□ Other	
Purpose and Overview (max. 5 set	ntences)					
Introduction of students to various control, for diverse classes of mech acquisition and control for diverse of	atronic objec	ts. Provide stu	dents w			
Syllabus (brief outline and summa	ary of topics,	max. 10 sente	nces)			
Theory classes * Application of co Process visualization–SCADA. Acti Application of PLCs in process con panels. * Problems of control of co microprocessors in design and imp control. Input-output devices. * So processes. Guided independent research * Pr journals, and web portals within th laboratory research.	vity detection trol. * RTEth omplex techro olementation oftware supp reparation of	n and recognit ernetTCP/IPan nological proce of control sys ort for real tim students for in	ion. * A Id Interr esses. C stems. F ne syste ndepen	cquisition and net based auto entralized com lierarchical cor ms control. Co dent research	processing of measured da mation concept. Operator a trol. Distributed control. * A ntrol. Choice of computer fo mputer coupling with techr into the written literature, s	ta. and touch Application of or real time nological scientific
Language of Instruction						
⊠Serbian (complete course)	🛛 Eng	⊠ English (complete course) □ Other (complete course)				
□Serbian with English mentoring	g Serbian with other mentoring					

Assessment Methods and Criteria

Pre exam Duties	Points	Final Exam	Points			
Activity During Lectures	0	Written Examination (2 term papers)	50			
Practical Teaching	0	Oral Examination	50			
Teaching Colloquia	0	Overall Sum	100			
*Final examination mark is formed in accordance with the Institutional documents						