



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Automation of production		
Level of Study	<input checked="" type="checkbox"/> Bachelor	<input type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	<input type="checkbox"/> Autumn	<input checked="" type="checkbox"/> Spring	
Year of Study	III		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Vladislav A. Blagojević		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

Purpose and Overview (max. 5 sentences)

Introduce students to the basics of automation in production engineering, principles of automation machines and systems, types of control and applications. The course is targeting both the theoretical and practical aspects of the automation technology.

Syllabus (brief outline and summary of topics, max. 10 sentences)

1) General introduction to automation in production engineering, 2) Types of automated systems 3) Flexible automation systems, 4) Digital systems, 5) Combinational and sequential machines, 6) The control design techniques, 7) The technique of realization of logical functions, 8) Programmable Logic Controllers, 9) Industrial robots.

Language of Instruction

Serbian (complete course) English (complete course) Other _____ (complete course)

Serbian with English mentoring Serbian with other mentoring _____

Assessment Methods and Criteria

Pre exam Duties	Points	Final Exam	Points
Activity During Lectures	10	Written Examination	20
Practical Teaching	20	Oral Examination	20

Teaching Colloquia	30	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			