



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Engineering Management		
Study Module (if applicable)	Industrial management		
Course Title	Process management		
Level of Study	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input checked="" type="checkbox"/> Obligatory	<input type="checkbox"/> Elective	
Semester	<input type="checkbox"/> Autumn	<input checked="" type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Vlastimir D. Nikoć, Vladislav A. Blagojević, Dragan T. Mišić		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input checked="" 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 analysis and synthesis of contemporary management and control of technical and business processes.

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

1) General introduction to management and control of technical and business processes, 2) Sensors, 3) Application of computer techniques in the management process and different concepts of system management processes, 4) Control systems in flexible technology processes, 5) The application of computers and microcontrollers, 6) The application of programmable logic controllers (PLC), 7) Robot controllers, 8) SCADA systems, 9) Production and business processes, 10) Workflows with business processes, 11) Management and control processes, 12) Process technology support company organization, 13) Management systems workflow, standards related to managing workflow, workflow reference model, 14) Software systems process management, 15) Communication between different systems for process control.

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
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Activity During Lectures	10	Written Examination	40
Practical Teaching	0	Oral Examination	0
Teaching Colloquia	50	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			