



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Flexible production systems		
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)

Introducing students to the basic principles of analysis and design of flexible manufacturing system, especially with the basics of automation and automated production.

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

1) Production systems, 2) Automation in production systems, 3) Types of automated systems, 4) Sensors, 5) Technology and machines for production, 6) Numerical control and CAD/CAM, 7) Industrial robots and end-of-arm device, 8) Automated transport systems, 9) Machine vision, 10) Programmable Logic Controllers.

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	
Practical Teaching	30	Oral Examination	30

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