

UNIVERSITY OF NIŠ

Course Unit Descriptor		Facult	у	Faculty of Me	chanical Engineering		
GENERAL INFORMATION							
Study Program	Mechanic	Mechanical Engineering					
Study Module (if applicable)	-						
Course Title	Selected top	Selected topics in production information technologies and industrial management					
Level of Study	Bachelor	□Bachelor □ Master's ⊠ Doctoral					
Type of Course	□ Obligato	□ Obligatory					
Semester	🗆 Autumn	□ Autumn ⊠ Spring					
Year of Study	I						
Number of ECTS Allocated	10						
Name of Lecturer/Lecturers	Dragoljub E Miroslav R. Blagojević	Dragoljub B. Lazarević, Miroslav D. Trajanović, Miodrag T. Manić, Dragan I. Temeljkovski, Miroslav R. Radovanović, Peđa M. Milosavljević, Saša S. Ranđelović, Vladislav A. Blagojević					
Teaching Mode	⊠ Lectures	5	🗆 Grou	ıp tutorials	Individual tutorials		
	🛛 Laborato	ory work	🗌 Proj	ect work	🖂 Seminar		
	Distance	elearning	🗆 Blen	ded learning	□ Other		
Purpose and Overview (max. 5 s	entences)						
To gain the theoretical and practi management and acquire the bas The develop the ability to deal wi students' competence in the theo for the identification of the critica	cal knowledge ics of continuu th the informat pretical analysis al parameters.	referring to t m mechanics tion and prod and design n	he inforn in the fie luction te netal forn	nation and prod ld of metal forr chnologies and ning processes	duction technologies and industrial ning. I industrial management and develop the and generation of FEM simulation models		
Syllabus (brief outline and sumr	nary of topics,	max. 10 sent	tences)				
Modelling and simulation of mac effects of the cutting process. Su resistance. Thermodynamics of t methods of metal forming and w Modern CNC machining and mul Technologies of production man production management system principals. Management fields. L management development. Adv	chining. Modell uper-hard cutti the cutting and vith material re- tiplication syst agement in re- ns. Hybrid prod evels of manage anced additive	ling of the cu ing tool mate I methods of emoval. Integ ems. Materia al time. Ident luction mana gement. Fund technologie	tting too rials. Cut determin rated con al plasticin ification, gements ctions of s. Model	l geometry. In ting resistance ing the cutting mputer system cy. Complex to modelling and systems. Basic management. ling and simula	fluence of the cutting tool wear on the e and methods of determining the cutting g temperature. <i>f</i> Non-conventional hs for product and technology designing. ols for deformation processes. d simulation of the systems. Adaptive cs of management. Management Crises Managements. Future ation of the machining equipment.		
Language of Instruction							

⊠Serbian (complete course)	⊠ English (complete course)	□ Other
□Serbian with English mentoring	□Serbian with other mentoring	

_ (complete course)

Assessment Methods and Criteria					
Pre exam Duties	Points	Final Exam	Points		
Activity During Lectures	0	Written Examination	ο		
Practical Teaching	0	Oral Examination	40		
Teaching Colloquia	60	Overall Sum	100		
*Final examination mark is formed in accordance with the Institutional documents					