

UNIVERSITY OF NIŠ

Course Unit Descriptor		Facult	y	Faculty of Me	chanical Engineering	
GENERAL INFORMATION				•		
Study Program	Mechanical Engineering					
Study Module (if applicable)	-					
Course Title	Manufacturing of medical devices and implants					
Level of Study	Bachelor		🗆 Ma	□ Master's		
Type of Course	□ Obligatory		🛛 Eleo	⊠ Elective		
Semester	Autumn		🛛 Spr	⊠ Spring		
Year of Study	1					
Number of ECTS Allocated	10					
Name of Lecturer/Lecturers	Miodrag T. Manić					
Teaching Mode	Lectures		🗌 Grou	up tutorials	Individual tutorials	
	🗵 Laboratory work		🛛 Proj	ect work	🛛 Seminar	
	□ Distance learning		🗆 Blen	Blended learning 🛛 🗆 Other		
Purpose and Overview (max. 5 se	ntences)					
Acquiring knowledge to analyze, de devices in skeletal prosthetics.	esign and man	ufacture me	edical devi	ces and implan	ts, with a special emphasis on prosthetic	
Syllabus (brief outline and summa	ary of topics,	max. 10 sen	tences)			
modeling, design and analysis of p testing of materials. Biocompatibl devices, 7)Surface treatment of pr	sign and deve ne production prosthetic dev e and biodeg rosthetic devi gineering , Sca	lopment, pr and applica rices, 5)Mate radable mat ces, 8)Tech affold manu	oduction ation of m erials for J erials , 6) niques of afacturing	service and m edical devices prosthetic devi Additive techn design and pro , 10)Contollabl		
Language of Instruction						
⊠Serbian (complete course)	🛛 Engl	lish (comple	te course) 🗆 Ot	ther (complete course)	
□Serbian with English mentoring	□Serb	ian with oth	ier mento	ring		
Assessment Methods and Criteria	a					

Pre exam Duties	Points	Final Exam	Points

Activity During Lectures	5	Written Examination	50		
Practical Teaching	10	Oral Examination	Max. 35 (depending on Teaching Colloquia)		
Teaching Colloquia	35	Overall Sum	100		
*Final examination mark is formed in accordance with the Institutional documents					