

UNIVERSITY OF NIŠ

Course Unit Descrip	otor	Faculty Fa	culty of Mechanical E	Engineering	
GENERAL INFORMATION					
Study Program	Engineering management				
Study Module (if applicable)	-				
Course Title	Designing				
Level of Study	⊠ Bachelor	☐ Maste	r's 🗆 Doct	toral	
Type of Course	☐ Obligator	y 🗵 Electiv	e		
Semester	☐ Autumn	⊠ Sprin _i	<u> </u>		
Year of Study	Ш				
Number of ECTS Allocated	6				
Name of Lecturer/Lecturers	Boban R. Anđelković, Jelena Stefanović Marinović				
	□ Lectures	☐ Group	tutorials 🗆 Indiv	idual tutorials	
Teaching Mode	☐ Laborato	y work 🛮 🖾 Project	work 🗵 Semi	nar	
	☐ Distance I	earning \Box Blende	d learning 🔲 Othe	r	
Purpose and Overview (max. 5 sen	itences)				
Student will be able to synthesize a practice.	ınd analyze a	complex machine syste	m. The acquired knov	vledge can be directly applied in	
Syllabus (brief outline and summa	ry of topics, r	max. 10 sentences)			
Basic theory of design. The strength stress analysis. The complex stresse pairs. Shafts. Bearing. General featu (list of requirements). The technical parts machinery and equipment. Standysis Critical conditions of parts improvement.	s. Friction, be res of sliding I system struc tandardization	lts and chain transmissi bears. Methodology of tural function. Forming n, typization and unific	ons. Geometrical and conceptual machine d the conceptual varia ation. Principles of m	kinematic characteristics of gear esign conception. Definition task nts. Dimensioning and design of echanical parts operating states	
Language of Instruction					
⊠Serbian (complete course)	☐ English (complete course) ☐ Other(complete course)				
☐ Serbian with English mentoring	□Serbia	an with other mentorin	g		
Assessment Methods and Criteria	l				
Pre exam Duties	Points	Final Exam	Points		
Activity During Lectures	10	Written Examination	20		
Practical Teaching	10	Oral Examination	30		
Teaching Colloquia	30	Overall Sum	100		

*Final examination mark is formed in accordance with the Institutional documents						
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