

## **UNIVERSITY OF NIŠ**

Course Unit Descrip	otor	Faculty F	aculty of Mechani	cal Engineering
GENERAL INFORMATION				
Study Program	Mechanical Engineering			
Study Module (if applicable)	-			
Course Title	Machine elements 2			
Level of Study	⊠ Bachelor □ Master's □ Doctoral			
Type of Course	□ Obligatory ⊠ B		tive	
Semester	□ Autumn ⊠ Spring			
Year of Study	11			
Number of ECTS Allocated	7			
Name of Lecturer/Lecturers	Dragan S. Milčić			
	⊠ Lectures	🗆 Group	tutorials 🗌 II	ndividual tutorials
Teaching Mode	Laborator	ry work 🛛 🛛 Projec	ct work 🛛 🖾 S	eminar
	Distance	earning 🛛 🗆 Blend	ed learning 🛛 🗆 C	Other
Purpose and Overview (max. 5 ser	ntences)			
To familiarize students with theo functioning and aplication of machi		constructional form	5, calculation of r	machine elements, production, the
Syllabus (brief outline and summa	ry of topics, r	nax. 10 sentences)		
proportions of gear system, Gear procedure for spur gears. <b>Helical G</b> <b>Bevel Gears:</b> Introduction, Terms us <b>Worm Gears:</b> Introduction, Types of Proportions for worm gears, Desig pulley. Design of V-belt and its Pulle	materials, D ears: Introduc sed in bevel g of worms, Typ gn of worm a ey. Chain Driv wer rating of	esign consideration f ction, Terms used in he ears. , Proportions for bes of worm gears. , & worm gearing. <b>Belt</b> es: Chain drives, Rolle f roller chains, Selecti	or gear drive, Ca elical gear, Design p bevel gears, Desig Ferms used in wor & <b>Pulley design:</b> r chains, Geometri on of Chain drive	n of bevel gear. m gearing, Proportions for worms, Introduction, Design of flat belt & c relationships, Dimensions of chain s. <b>Clutches:</b> Introduction, Types of
Language of Instruction				
Serbian (complete course)	-	sh (complete course) an with other mentori		(complete course)
Assessment Methods and Criteria			<u></u>	_
Pre exam Duties	Points	Final Exam	Points	
Activity During Lectures	10	Written Examination	n o	
Practical Teaching	10	Oral Examination	50	
Teaching Colloquia	30	Overall Sum	100	
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\*Final examination mark is formed in accordance with the Institutional documents