

UNIVERSITY OF NIŠ

		11					
Course Unit Descriptor		Faculty		aculty of Mechanical Engineering			
GENERAL INFORMATION							
Study Program	Mechanical Engineering						
Study Module (if applicable)	-						
Course Title	Vibration and stability of elastic body						
Level of Study	Bachelor		🗆 Mas	□ Master's 🛛 🖾 Do		⊠ Doctoral	
Type of Course	□ Obligatory		🛛 Elec	⊠ Elective			
Semester	🛛 Autumn		🗆 Spri	□ Spring			
Year of Study	11						
Number of ECTS Allocated	10						
Name of Lecturer/Lecturers	Predrag Kozić, Goran Janevski						
Teaching Mode	 Lectures Laboratory work Distance learning 		□ Group ⊠ Proje □ Blend	o tutorials ct work led learning	 ☑ Individual tutorials ☑ Seminar ☑ Other 		
Purpose and Overview (max. 5 see	ntences)						
Introduce students to the basics of the theory of stability							
Syllabus (brief outline and summary of topics, max. 10 sentences)							
Stability Mathieu-Hill's equations. methods. Methods of averaging. M	The stabilit Iultiple scalir	y of linear on grant of linear of li	differentia ystems wi	l equations v th multiple de	vith periodic coe grees of freedom	efficients. Approximate n. Examples.	
Language of Instruction							
⊠Serbian (complete course)	🛛 Eng	lish (complet	te course)	Other		(complete course)	
□Serbian with English mentoring □Serbian with other mentoring							
Assessment Methods and Criteria	1						
Pre exam Duties		s Final Exam		Points			
Activity During Lectures		Written E	xaminatio	n 80	80		
Practical Teaching		Oral Exam	nination	Max. 20	Max. 20		

Teaching Colloquia	40	Overall Sum	100				
*Final examination mark is formed in accordance with the Institutional documents							