

## UNIVERSITY OF NIŠ

Course Unit Descriptor		Faculty	Faculty of Med	culty of Mechanical Engineering			
ENERAL INFORMATION							
Study Program	Mechanical Engineering						
Study Module (if applicable)	-						
Course Title	Refrigeration	n					
Level of Study	⊠Bachelor	☐ Mas	ter's	☐ Doctoral			
Type of Course	☐ Obligator	y ⊠ Elec	tive				
Semester	☐ Autumn	⊠ Spri	ng				
Year of Study	IV						
Number of ECTS Allocated	6						
Name of Lecturer/Lecturers	Bratislav D. E	Blagojević					
	□ Lectures	⊠ Grou	p tutorials	☐ Individual tutor	rials		
Teaching Mode	☐ Laborator	ry work 🗵 Proje	ct work	☐ Seminar			
	☐ Distance I	earning 🗆 Blen	ded learning	☐ Other			
Purpose and Overview (max. 5 sentences)							
Introduce students to the basics and principles of refrigeration technologies, refrigeration plants elements and fundamentals of industrial refrigeration. Students are supposed to acquire knowledge to design refrigeration equipment and industrial refrigeration systems.							
Syllabus (brief outline and summary of topics, max. 10 sentences)							
(1) Introduction. (2) Possibilities to to increase refrigeration coefficient Compressors. (7) Evaporators. (8) or refrigeration. Food preparation and design. (12) Refrigeration in proces	t of performa Condensers. ( d storage. Fre	nce. (4) Theoretic an (9) Other elements or	d real refrigera refrigeration	ation cycles. (5) Wo systems. (10) Funda	orking fluids. (6) amentals of industrial		
Language of Instruction							
⊠Serbian (complete course)	⊠ Engli	sh (complete course)	□ Otl	her	(complete course)		
☑Serbian with English mentoring ☐Serbian with other mentoring							
Assessment Methods and Criteria							
Pre exam Duties	Points	Final Exam	Points	Points			
Activity During Lectures	5	Written Examination	on 40	40			

Practical Teaching	5	Oral Examination	30			
Project work	20	Overall Sum	100			
*Final examination mark is formed in accordance with the Institutional documents						

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