

## **UNIVERSITY OF NIŠ**

Cource Unit Descri	inter	Facult						
Course Unit Descriptor		Faculty	<b>y</b> Faculty of Mechanical Engine			ngineering		
GENERAL INFORMATION								
Study Program	Mechanical Engineering							
Study Module (if applicable)	-							
Course Title	SELECTED TOPICS IN THERMAL ENERGY PLANTS							
Level of Study	□Bacheld	□Bachelor □ Master's ⊠ Doctoral						
Type of Course	🗆 Obliga	Obligatory      Elective						
Semester	🗆 Autum	□ Autumn						
Year of Study	11							
Number of ECTS Allocated	10							
Name of Lecturer/Lecturers	Živković S.	Živković S. Dragoljub, Mitrović M. Dejan, Laković-Paunović S. Mirjana						
Teaching Mode	🛛 Lectur	es	🗌 Grou	□ Group tutorials		Individual tutorials		
	□ Laboratory work		🛛 Proje	ct work	🛛 Semin	⊠ Seminar		
	🗆 Distan	ce learning	🗆 Blen	nded learning 🛛 Other				
Purpose and Overview (max. 5 s	entences)							
<ul> <li>To introduce students with v energy plants and methods w</li> <li>To enable students to indepedefine relevant physical and regimes of thermal energy place</li> </ul>	hich should p ndently cons mathematic	orovide their sa sider and solve	fe and re problem	liable opera s of various	tion. phenomena	based on scient	tific principles,	
Syllabus (brief outline and sumn	nary of topic	s, max. 10 sent	ences)					
1) Variable operating regimes and plants; 3) Problems of interaction TE plants; 6) Combined production modelling and numerical simulati earth, water and air pollution; 10) reception testing of TE plants; 12) plants.	n of work me on of heat an on of operat ) Design metl	dium and struc d power; 7) Pro ion of TE plants hods of moder	ture of T oblems of s; 9) Impa n therma	E plants; 4) S automated act of TE pla energy plan	Safety of TE p regulation o nts on the er nts; 11) Exper	blants;5) Reliabili of TE plants; 8) M nvironment - Prol imental, operatio	ity of parts of Aathematical blems of on and	
Language of Instruction								
Serbian (complete course)	🛛 Er	nglish (complet	e course)		Other	(compl	lete course)	
□Serbian with English mentorin	g □Se	rbian with othe	er mentor	ing				
Assessment Methods and Criter	ria							

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							