

UNIVERSITY OF NIŠ

Course Unit Descriptor		Faculty	/	Faculty of M	ty of Mechanical Engineering			
GENERAL INFORMATION								
Study Program	Mechanical Engineering							
Study Module (if applicable)	-							
Course Title	Selected Topics in District Heating							
Level of Study	Bachelor		🗆 Mas	/aster's ⊠ Doctoral				
Type of Course	🗆 Obligato	ry	🛛 Elec	tive				
Semester	🛛 Autumn		🗆 Spri	ng				
Year of Study	I							
Number of ECTS Allocated	2							
Name of Lecturer/Lecturers	Velimir P. St	efanović						
Teaching Mode	⊠ Lectures		🗆 Grou	ıp tutorials	ual tutorials			
	🛛 Laboratory work		🛛 Project work		🛛 Semina	ar		
	□ Distance	learning	🗆 Blen	ded learning	🗆 Other			
Purpose and Overview (max. 5 sentences)								
Introduce students to the systems and installation of central and dist calculation methodology often use practice. Review of previous resea and web-portal and in the field of qualify for research in the doctora	of central an rict heating. A ed installatior arch in the wo central heatir I thesis	nd district hea After passing Ins sistemia ce Drld in the fiel Ing and district	ting and the exar ntral and d of cen t heating	l studying the n, the studer d remote hea tral heating s g. Independe	basic princi nt will be able iting element system for he nt making se	ples for the design element e to independently at my ts and installation engineer ot water. professional journ minar papers students will		
Syllabus (brief outline and summary of topics, max. 10 sentences)								
 Introduction, classification and Calculation of the amount of heating, 6) Hydraulic and therr regime of central heating netw central and district heating, 1 stations, 12) Domestic hot-wa application in systems of central 	application a eat for heatir nal calculatio ork and distri o) Accessorie iter systems, I and district	reas of centr ng, 4) Heat co n of heat ne ict heating, 8 es heat netw , central and heating, 14) 1	al and d onsumpt tworks a) Design vorks of d distric The ener	istrict heatin ion, 5) Sourc and systems and constru the central t heating, 1 gy efficiency	g, 2) he basi es of heat sy centrally and ction solution and district 3) Renewab of the centra	ics of construction physics ystems for central and dist d district heating, 7) Hydra ns of thermal networks of heating, 11)Heat transmit le energy sources and th al and district heating.		
Language of Instruction								
Serbian (complete course)	🗆 Engl	ish (complete	e course) 🗆 0	Other	(complete course		
Serbian with English mentoring	□Serb	ian with othe	r mento	ring				
Assessment Methods and Criteria	3							

Pre exam Duties	Points	Final Exam	Points				
Activity During Lectures	0	Written Examination	70				
Practical Teaching	0	Oral Examination	Max. 30 (depending on Teaching Colloquia)				
Teaching Colloquia	0	Overall Sum	100				
*Final examination mark is formed in accordance with the Institutional documents							