UNIVERSITY OF NIŠ

Course Unit Descriptor	Faculty	Faculty of Mechanical Engineering

GENERAL INFORMATION			
Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Heating technique		
Level of Study	☒Bachelor	☐ Master's	☐ Doctoral
Type of Course	☐ Obligatory	☒ Elective	
Semester	☐ Autumn	☒Spring	
Year of Study	IV		
Number of ECTS Allocated	7		
Name of Lecturer/Lecturers	Velimir P. Stefanović		
Teaching Mode	☒ Lectures	☐ Group tutorials	☐ Individual tutorials
	☒ Laboratory work	☒ Project work	☒ Seminar
	☐ Distance learning	☐ Blended learning	☐ Other

Purpose and Overview (max. 5 sentences)

Introduce students to the basics of heating and studying the basic principles for the design elements and installation of heating technology. After passing the exam, the student will be able to independently at my calculation methodology most commonly used heating and installation elements in engineering practice.

Syllabus (brief outline and summary of topics, max. 10 sentences)

1) Introduction, classification of the heating and power applications, 2)Thermal comfort, 3) Local heating (local sources of heat), 4) Central heating systems, 5) Fundamentals of building physics, 6) Radiators - calculation and selection, 7) Theoretical basis of hydraulic calculation and dimensioning example, thermal network, 8) Solar energy and possibilities of application in central heating systems, 10) Preparing hot water

Language of Instruction

☒Serbian (complete course) ☒ English (complete course) ☐ Other _____ (complete course)

☐Serbian with English mentoring ☐Serbian with other mentoring _____

Assessment Methods and Criteria

Pre exam Duties	Points	Final Exam	Points
Activity During Lectures	5	Written Examination	50

Practical Teaching	**70**	**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**			