



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Energy and Process Engineering		
Study Module (if applicable)	-		
Course Title	Cogeneration		
Level of Study	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	<input type="checkbox"/> Autumn	<input checked="" type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Dejan Mitrović		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input checked="" type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

Purpose and Overview (max. 5 sentences)

To introduce students with: the technologies for combined heat and power production, key technical indicators of these systems, the benefits of these systems in relation to the separate production of heat and electricity, trigeneration and polygeneration systems.

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

- General introduction to cogeneration, - Technologies for combined heat and power production, - Trigeneration and polygeneration systems, - Potential for cogeneration in Serbia, - Design of cogeneration power plant, - Computer aided tools for process synthesis, analysis and optimum design of cogeneration.

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	10	Written Examination	0
Practical Teaching	30	Oral Examination	Max.50 (depending on Teaching Colloquia)

Teaching Colloquia	10	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			