

COURSE GUIDE – short form

Academic year 2018 - 2019

Course name ¹	EQUIPMENT AND INSTALLATIONS FOR HEAT TREATMENT					Discipline code		3 EPI 07		
Course type ²	DS	Category ³	DI	Year of study	3	Semester	6	Number of credit points	3	

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Mechanical Engineering					Total	L	T	LB	P	IS
Specialization	EPI					42	-	-	-	-	

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Heat treatments Heat and thermochemical using laser, plasma, electron beam or other unconventional methods used in materials processing to obtain semi...
Specific objectives ⁷	Knowledge, analysis, and design effective and appropriate use of technology and heat treatment equipment in the machinery industry
Course description ⁸	Course content builds premises advanced thermal design technologies, evaluating quantitative and qualitative characteristic phenomena and processes using established methods and criteria in the area of engineering materials processing.

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹	Class tests along the semester	%	week	50 % (minimum 5)
	Home works	25 %		
	Other activities	25 %	week	
	Examination procedures and conditions: 1. -, working conditions -, percent %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	% (minimum 5)		
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			% (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	Lecturer Ph.D. eng. Viorel GRANCEA			
Teaching assistants	Assistent Ph.D. eng. Simona BALTATU			

¹Course name from the curriculum

² DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)

³ DI – imposed, DO – optional, DL – facultative (from the curriculum)

⁴ Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

⁵ According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶ According to 7.1 from the Course guide – extended form

⁷ According to 7.2 from the Course guide – extended form

⁸ Short description of the course, according to point 8 from the Course guide – extended form

⁹ For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰ A minimum grade might be imposed for some assessment stages

¹¹ Exam or colloquium