

COURSE GUIDE – short form

Academic year 2024 – 2025

Course name ¹	CONTROLLED ENVIRONMENTS IN MATERIALS ENGINEERING					Course code	3.SM.13.DS-2		
Course type ²	DS	Category ³	DO	Year of study	3	Semester	5	Number of credit points	2

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	SM	50	14		14		22

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Study controlled atmospheres used in heat treatment and thermochemical, as environmental protection and the environment with active components.
Specific objectives ⁷	Knowledge, analysis, design and efficient used and effective and appropriate use of heat treatments and thermochemical technologies used in machinery industry.
Course description ⁸	

Assesment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ : Colloquium	Class tests along the semester	%	50 % (minimum 5)
	Home works	10 %	
	Other activities	%	
	Examination procedures and conditions: Probe 1: Subject with open questions, working conditions oral, percent 100 %; Probe 2: working conditions; percent of the final grade %; Probe 3: working conditions; percent of the final grade %;	90 % (minimum grade 5)	
B. Seminar	Activity during seminar		% (minimum 5)
C. Laboratory	Activity during laboratory		50 % (minimum 5)
D. Project	Activity during project		% (minimum 5)

Course organizer	Prof.dr.ing. Vizureanu Petrică
Teaching assistants	Prof.dr.ing. Vizureanu Petrică

¹Course name from the curriculum

² DF – fundamental, DID – 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