

COURSE GUIDE – short form

Academic year 2018 - 2019

Course name ¹	THEORETICAL BASES OF THERMAL TREATMENTS					Discipline code	3 IPM 08		
Course type ²	DD	Category ³	DI	Year of study	3	Semester	6	Number of credit points	5

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	IPM	84	42	-	28	14	

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶	The course presents basic applicable technologies of the thermal treatments.
Specific objectives ⁷	Knowing the theoretical principles of the phases transformations in solid state it treats the particularities of the primary and secondary thermal treatments.
Course description ⁸	Primary and secondary thermal treatments, annealing, hardening, quenching technologies.

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ exam	Class tests along the semester	10 %	week 8	70 % (minimum 5)
	Home works	- %		
	Other activities	- %	week	
	Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 60 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	60 % (minimum 5)	exam period	
B. Seminar	Activity during seminar			- % (minimum 5)
C. Laboratory	Activity during laboratory			10 % (minimum 5)
D. Project	Activity during project			20 % (minimum 5)
Course organizer	Lecturer Phd.Eng.ELENA CHIRILA			
Teaching assistants	Lecturer Phd.Eng.ELENA CHIRILA As.drd.ing.DUMITRU DORU BURDUHOS NERGIS			

¹Course name from the curriculum

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

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

⁴Points 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)

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

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

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

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

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium