COURSE GUIDE - short form

Academic year 2024-2025

Course name ¹	PHYSICAL CHEMISTRY (1)				Course code	е	2 IMAT 02		
Course type ²	DD	Category ³	DI	Year of study	2	Semester	3	Number of credit points	4

Faculty | Faculty of Materials Science and Engineering | Number of teaching and learning hours⁴

Fie	Field Materials Engineering			Total		L	Т	LB	Р	IS	
Specialization	on Materials Processing Engineering			100		28		14	-	58	
Pre-requisites	Pre-requisites from the Compulsory				•						
curriculu		Recommended									
	materials related to	engineering base the analysis of th	lemonstrations and a d on knowledge in the e properties of metal nenomena in the field	ne field and alloy syste	othe ms a	r fund nd th	damei ne exp	ntal sc olanatio	ience	S,	
Specific objectives ⁷	different macrosc	conditions of tem opic and microsco	pout the state of equiperature and pression properties of liquiper of reports and scien	ure. Establi uid or solid	shing meta	cor llic m	nection nateria	ons be als. De	tweer	n the	
Course description ⁸	li. Thermo lii. Thermo lv. Gener V. Thermo Vi. Thermo Partial the Viii. Ideal Ix. The qu	al conditions for the odynamic equilibrated and continuous for the continuous functions and real solutions uasi-chemical the continuous functions and real solutions the continuous functions for the continuous functions and real solutions for the continuous functions functions for the continuous functions functi	Ils method Ils of one - componer Ils of one	brium. s systems. us systems.							
		Assesme				Sch dul		the fir (mi	entage nal gra nimun ade) ¹⁰	ade n	
	Class te	ests along the sem	nester	%					,		
A. Final	Home v			%							
assessment	Other a			%				60% (minimum			
form ¹¹ : Examen	One sul present	ation procedures a bject in the course ation and answers by questions.	topics; oral	100% (mini- mum 5)		Exam period		5)			
B. Seminar	Activity during seminar							% (minimum 5)			
C. Laboratory	C. Laboratory Activity during laboratory							40 % (minimum 5)			
D. Project Activity during project							% (minimum 5)				

Course organizer	Assoc.Prof. Phd.Eng. Ramona Cimpoeşu	
Teaching assistants	Assoc.Prof. Phd.Eng. Ramona Cimpoeşu	

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