## COURSE GUIDE - short form

Academic year 2024-2025

Course name <sup>1</sup> PHYSICAL CHEMISTRY (1) Course code							de	2 IMAT 02					
Course type <sup>2</sup>		DD	Category <sup>3</sup>	DI	Year of s	study 2		Semester		3	Number of credit points		4
						1							4
Faculty Faculty of Materials Science and Engineering Number of teaching a									-				
	als Engineering					Total L		Т	LB	Ρ	IS		
SpecializationMaterials Engineering10028							14	-	58				
Pre-requisites													
curriculu	im <sup>5</sup>	Reco	mmended										
• Performing calculations, demonstrations and applications to solve tasks specific to General objective <sup>6</sup> related to the analysis of the properties of metal alloy systems and the explanation / interpretation of physical phenomena in the field by thermodynamic methods													
• Obtaining information about the state of equilibrium and the properties of materials in different conditions of temperature and pressure. Establishing connections between the macroscopic and microscopic properties of liquid or solid metallic materials. Development of skills for the elaboration of reports and scientific articles specific to the field.													
Course description <sup>8</sup>													
			Assesme	nt					Sch dul		``		de
A. Final assessment form <sup>11</sup> :	Class te	ests alo	ng the sem	ester			%						
		Home works					%	_			4		
	Other activities Examination procedures and conditions:						%		am 60% (mini			um	
Examen	One su	bject in ation a	the course nd answers	topics;	oral	(m	0% iini- m 5)	ni- period			5)		
B. Seminar									% (minimum 5)				
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	

<sup>&</sup>lt;sup>1</sup>Course name from the curriculum

 $<sup>^{2}</sup>$  DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>&</sup>lt;sup>3</sup> DI – imposed, DO –optional, DL – facultative (from the curriculum)

<sup>&</sup>lt;sup>4</sup> 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)

<sup>&</sup>lt;sup>5</sup> According to 4.1 – Pre-requisites - from the Course guide – extended form
<sup>6</sup> According to 7.1 from the Course guide – extended form
<sup>7</sup> According to 7.2 from the Course guide – extended form
<sup>8</sup> Short description of the course, according to point 8 from the Course guide – extended form

<sup>&</sup>lt;sup>9</sup> For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

<sup>&</sup>lt;sup>10</sup> A minimum grade might be imposed for some assessment stages <sup>11</sup> Exam or colloquium