COURSE GUIDE - short form

Academic year 2021-2022

Cours	Course name ¹ PHYSICAL CHEMISTRY (1) Course code						de	e 2 IMAT 02					
Course type ²		DD	Category ³	DI	Year of st	tudy 2		Semester		3	Number of credit points		4
		6.1.4			<u> </u>								
Faculty Faculty of Materials Science and Engineering Number of teaching													
		als Engineering				Total L		Т	LB	Р	IS		
Specialization Materials Processing Enginee			ineerin	g	100			28		14-	-	58	
Pre-requisites													
curriculu	m°	Recommended											
General objective ⁶	materials related to	engine the an	ering based alysis of the	on kno proper	ations and ap wledge in the ties of metal a a in the field	e fielo alloy	d and syst	d othe ems	er fund and th	lame e ex	ental sci planatio	ences	5,
Specific objectives ⁷	• 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 ⁸	li. Thermo lii. Therm Iv. Gener V. Therm Vi. Therm Partial the Viii. Ideal Ix. The qu	odynam odynan al cond odynan odynan ermody and rea uasi-che	itions for the nic equilibriu nic equilibriu namic functi al solutions. emical theor	s metho s of one ermodyn m in ho um in h ons. y of sol	od - component namic equilibi omogeneous eterogeneous	rium. syste s sys	ems. tems	3.					
			Assesmer	nt					Sch dule	-	Perce the fin (mir gra		de
A. Final assessment form ¹¹ : Colloquium			ng the seme	ester			6		•				
	Home v						6	_			4		
		Other activities Examination procedures and conditions:				%	6	_			60% (minim		um
							0%	5)				5)	
	One subject in the course topics; oral (mini- presentation and answers to course mum 5)												
	specialty questions.												
B. Seminar	Activity during seminar							% (minimum 5)					
C. Laboratory Activity during laboratory								40 % (minimum 5)					
C. Laboratory	Activit	y during	glaboratory								5)		

Course organizer	Lecturer Dr.Eng. Ramona Cimpoeşu	
Teaching assistants	Lecturer Dr.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, Pproject, IS-individual study)

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