COURSE GUIDE - short form

Academic year 2017-2018

Course name	Metallic materials science and engineering (2)				Cours	e 1IPM11DI	1IPM11DID		
Course type	DID	Category	DI	Year of study	1	Semester	2	Number of credit points	5

Faculty	Ity Materials Science and Engineering		Number of teaching and learning hours					
Field Materials Engineering		Total	L	Т	LB	Р	IS	
Specialization	Equipment for industrial processing	42	28		14			

Pre-requisites from the	Compulsory	
curriculum	Recommended	

General objective	Making calculations, demonstrations and applications for solving materials engineering specific tasks based on knowledge in the field of materials science and engineering and other fundamental sciences and related to existing correlations between composition, structure, properties and uses of metallic materials.	
Specific objectives		
Course description	Metallic materials. Ceramic materials. Notions regarding composite materials. Semiconductors. Notions regarding smart materials. Amorphous materials. Notions regarding some special destination metallic materials. Service behavior of the metallic materials.	

Assessment			Schedule	Percentage of the final grade (minimum grade)
	Class tests along the semester			10%
Continuous assessment				40%
Assignments				-
	Final assessment form	Examination		
Final assessment	Examination procedures and conditions: 1. Category: theoretical; subject with open questions; conditions: oral; weight in final grade: 20%; 2. Category: theoretical; solving problem; conditions: oral; weight in final grade: 40%; 3. Category: theoretical; solving problem; conditions: oral; weight in final grade: 40%.			50%

Course organizer	Associate professor dr.eng. Ioan RUSU	
Teaching assistants	Associate professor PH.D. eng. Ioan RUSU Lect. PH.D. eng. Năstaca TIMOFTE Assist. PH.D. eng. Alin CAZAC Assist. PH.D. eng. Elena MIHALACHE	