COURSE GUIDE - short form

Academic year 2018-2019

Course name		Mate	Materials science and engineering (2)						Course code			1EPI11DD	
Course type		DD	Category	DI	Year of study 1		Semester		2		ımber o credit points	f 5	
	Faculty	Materia	Materials Science and Engineering Number of teaching and learning ho							ours			
Field		Mechanical Engineering				Tot	al	L	Τ	LE	3	Р	IS
Specialization		Equipment for industrial processing				56	6	28		28	3		28
Pre-requisites from the curriculum		Co	Compulsory										
		Recommended											
General objective	I machanical andinaaring) in order to achieve a material rational choice for various industrial i												
Specific objectives	Recognition of materials using their properties and different methods of investigation. Materials selection depending on the application. Investigation of materials characteristics and properties. Developing skills for elaborating specific reports and scientific articles.												
Course	Metallic materials. Ceramic materials. Composite materials. Semiconductors. Smart materials. Notions regarding amorphous materials. Special destination metallic materials.												

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	Assessment	Sche- dule	Percentage in the final grade (minimum grade)		
	Class tests along the semester	% %			
	Home works				
	Other activities				
A. Final assessment form: Exam	Examination procedures and conditions: 1. Category: theoretical; subject with open questions; conditions: oral; weight in final grade: 20%; 2. Category: theoretical; subject with open questions; conditions: oral; weight in final grade: 20%; 3. Category: theoretical; solving problem; conditions: oral; weight in final grade: 30%; 4. Category: theoretical; solving problem; conditions: oral; weight in final grade: 30%.	100% (minimum 5)	Sesion	50% (minimum 5)	
B. Seminar	Activity during seminar	% (minimum 5)			
C. Laboratory	50% (minimum 5)				
D. Project	% (minimum 5)				

Service behavior of the metallic materials.

description

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Course organizer	Associate professor dr.eng. loan RUSU	
Tooching assistants	Assist. PH.D. eng. Elena MIHALACHE	
Teaching assistants	Assist. PH.S. eng. Constantin MIREA	