COURSE GUIDE – short form

Academic year 2024-2025

Course name		Materials science and engineering (2)				Course code			1.ISI.11.DD	
Course type	DD	Category	DI	Year of stud	ly 1	Se	mester		Number of credit points	5
Faculty Materials Science and Engineering			Number of teaching and learning hours							
Fie	eld Indu	Industrial Engineering			Total	L	Т	LB	Р	IS
Specializati	Specialization Safety Industrial Engineering			125	28		28		69	
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Pre-requisites from the	Compulsory		
	curriculum	Recommended	

General objective	Formation of the ability of applying some principles and basic methods for solving well defined situations in the field under qualified assistance supervision in view of formation of an essential stock of technical knowledge in the field of materials science and engineering.						
Specific objectives	Use of knowledge and ability formation in applying basic elements, general and introductory, focusing on a series of major class of materials.						
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					Percentage in the final grade (minimum grade)	
		tests along the semester	%		_	
	Home	me works %				
	Other	her 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%.				70% (minimum 5)	
B. Seminar Activity during seminar					% (minimum 5)	
C. Laboratory Activity during laboratory					30% (minimum 5)	
D. Project Activity during project				% (minimum 5)		
Course organize	Course organizer Lecturer PhD. Eng. Alin Marian CAZAC					
Teaching assistant Assist. univ. PhD student. Eng Ștefana AGOP-DOCHIȚA						