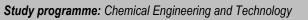


UNIVERSITY OF EAST SARAJEVO

Faculty of Technology Zvornik



Year II



Course title CONSTRUCTION MATERIALS

Department Department for Physical Chemistry, Electrochemical Engineering and Materials / Department for Chemical Technology - Faculty of Technology - Vornik

			it for Physical Chemistry, Electrochemical Engineering and Materials / Department for Fechnology – Faculty of Technology Zvornik					
Course code				Course status		ster	ECTS	
04-1-016-3			Co	Compulsory			4	
		Kešelj, Associat	lj, Associate Professor					
Teaching assistant		Dr Dragana I	Kešelj, Associat	e Professor				
Number of classes/ teaching wor week)			orkload (per	oad (per Individual student workload (in hours per semester)			Student workload coefficient S _o	
Lectures		uditory ercises	Laboratory exercises	Lectures	Auditory exercises	Laboratory exercises	S _o	
2		1	0	50	25	0	1.67	
2	2*15 +	1*15 + 0*15 =				1*15*1,67 + 0*15	*1,67 = 75 hours	
					= 120 hours per se	emester		
Learning outcomes 1. d wel 2. d 3. s 4. s 5. p		After finishing the course, students will be able to: 1. demonstrate the knowledge of the types of materials and their physical and chemical characteristics, as well as their behaviour in different environments and fields 2. differentiate the structure of the material 3. suggest which material to apply for a certain environment and medium 4. suggest how to characterize the material 5. propose a method of testing materials.						
Prerequisites								
Teaching meth	ods	Lectures, auditory and laboratory exercises, mid-term tests (colloquia).						
Syllabus out per week								

Obligatory reading										
Author	Title, publisher	Year	Pages							
Callister, W.D.	Materials Science and Engineering, An Introduction, 5-th edition, John Willey&Sons, New York	2000	1-300							
Additional reading										
Author	Title, publisher	Year	Pages							

Askeland, D.R.	The Science and Engineering of Materials, 3rd edition, Brooks/Cole Publishing Co., Pacific Grove, CA	1994	77-333		
Mitchell, B.S.	An Introduction to Materials Engineering and Science for Chemical and Materials Engineers, John Willey&Sons, New York	2004	1-275		
Ashby, M. F.	Materials Selection in Mechanical Design, 4th ed., Elsevier Ltd., Oxford,	2011	1-482		
Shackelford, J.F.	Introduction to Materials Science for Engineers, 5th edition, Prantice Hall, Inc., Upper Saddle River, NJ	2005	1-424		
	Type of student evaluation	Type of student evaluation			
	Pre-exam obligations				
Obligations	Atter	Attendance			
Obligations, assessment	Auditory exe	20	20%		
methods and	Mid-term test (Colloqu	22	22%		
grading system	Mid-term test (Colloqui	22	22%		
	Final examination				
	Final examination	30	30 %		
	Total		100	100 %	
Web page	www.tfzv.ues.rs.ba		•		
Date	2023				