

Course ID: HOAI07	Cour	rse name: SPECIAL TOPICS IN INORGANIC CHEMISTRY			
Cycle: SECOND	Year	: FIRST	Semester: I	ECTS credits: 4	
Course status: ELECTIVE			Total course hours: Lectures: 45 Laboratory: 15	60	
Teaching participants:		Teachers and associates with expertise in the field to which the subject belongs			
Prerequisite for enrollment:		-			
Course aims:		Introducing inorganic co medicine, ph	students to the prop ompounds in everyda armacy and the enviro	erties and importance of ay life with a focus on nment.	
Thematic course u	nits:	 Inorganic compounds in medicine. Review, properties and assumptions for the use of inorganic compounds in medicine. Inorganic compounds in pharmaceutical industry. Ecotoxicology of inorganic compounds. Nanomaterials and their impact on living organisms. Nanomaterials in medicine. Toxicity of nanomaterials based on carbon, metals and oxides. 			
Learning outcomes	:	 <i>Knowledge:</i> Describe the properties and assumptions for the application of inorganic compounds in everyday life. <i>Skills:</i> Explain the principles of synthesis of various inorganic compounds used in medicine, pharmacy and the environment. <i>Competences:</i> Argue the importance of synthesis and application of various inorganic compounds in everyday life, medicine, pharmacy and the environment. 			
Teaching methodology:		Method of oral presentation, method of practical work, method of research.			

Form SP2

UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE Department of Chemistry

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	Grading criteria					
	Criteria	Maximal score	Required score			
	1. Class attendance	5	2			
	2. Class activities	5	3			
	3. Midterms	45	25			
	4. Final exam	45	25			
	Total 100 55					
Assessment methods	Scores and grading					
and grading system ¹ :	Score	Grade	Grade			
5 57		(B&H)	(ECTS)			
	< 55	5	F, FX			
	55-64	6	E			
	65-74	7	D			
	75-84	8	С			
	85-94	9	В			
	95-100	10	А			
	Mandatory literature:					
	1. /					
	Supplementary literature:					
	1. Farrell NP, editor. Uses of Inorganic Chemistry in					
	Medicine, Cambridge: Royal Society of Chemistry: 1999.					
	2 Alessio E editor Bioinorganic Medicinal Chemistry 1st					
	2. Alessio L, cultor. Diomorganic Medicinal chemistry. 1st					
	eu. weinnenn: wiley-vCh; 2011.					
	3. Jones C, Thornback J. Medicinal Applications in					
Literature ² :	Coordination Chemistry. 1st ed. Cambridge: Royal Society					
	of Chemistry: 2007.					
	A Luther CW Inorganic Chemistry for Geochemistry and					
	4. Lutier Gw. morganic chemistry for Geochemistry and					
	Environmental Sciences: Fundamentals and Applications.					
	Chichester, West Sussex: John Wiley and Sons; 2016.					
	5. Swaddle TW. Inorganic Chemistry: An Industrial and					
	Environmental Perspective San Diego, Academic Press					
	1007					
	6. Durán N, Guterres SS, Alves OL, editors. Nanotoxicology:					
	Materials, Methodologies, and Assessments. New York:					
	Springer: 2013.					

 $^{^{1}}$ The grading structure for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught as per Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

 $^{^2}$ The Senate of the higher education institution, as an institution, or the Council of the organizational unit of the higher education institution, as a public institution, determines by a special decision, which is published on its website before the beginning of the academic year obligatory, mandatory and recommended textbooks and manuals, as well as other recommended literature based on which exams are prepared and taken as per Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton