

Course ID: HAHIO6	Course name: SEPARATION AND PRECONCENTRATION TECHNIQUES IN INORGANIC ION ANALYSIS				
Cycle: SECOND	Year: FIRST	Semester: I	ECTS credits: 6		
Course status: ELECTIVE		Total course hours: 90 Lectures: 30 Laboratory: 60			
Teaching participa	nts: which the	Teachers and associates with expertise in the field to which the subject belongs [do not enter names in this section. Leave the wording as indicated in this section]			
Prerequisite for enrollment:	-				
Course aims:	Acquisition application	of basic knowle of methods based on	edge and possibilities of (micro) extraction.		
2. Type 3. Basi 4. Sorb 5. Bios 6. Sorb 7. Opti meth 8. Matr 9. Inter 10. Poss 11. Sorb 12. Data 13. Auto		e: separation and overconcentration of extraction of solid phase extraction ints bents in modification and its characterization ization of key process sorption parameters, setting od of the sample and its influence on the method erences and secondary interactions bility of sorbent regeneration int capacity valuation			
Learning outcomes	phase extra factors that types of sor Skills: The s optimize the Competence choose the t	Knowledge: Students will acquire knowledge about solid phase extraction, conditions of setting and optimization of factors that affect the efficiency of extraction, as well as the types of sorbents used for these purposes. Skills: The student will be able to prepare a solid phase and to optimize the key factors of the sorption process. Competences: The student will be able to independently choose the type, modify the solid phase, optimize the process and evaluate the data and interpret the results.			

UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE Department of Chemistry

Page **2** of **2**

[-				
	Oral presentation				
Teaching methodology:	Research method				
	Practical work				
	Grading criteria				
	Criteria	Maximal score	Required score		
	1. Class attendance	5	3		
	2. Class activities	15	8		
	3. Midterms	40	22		
	4. Final exam	40	22		
	Total	100	55		
Assessment methods	* Class activity is sccored through the engagement of students in exercises.				
and grading system ¹ :	Scores and grading				
g g	Score	Grade	Grade		
		(B&H)	(ECTS)		
	< 55	5	F, FX		
	55-64	6	E		
	65-74	7	D		
	75-84	8	С		
	<u> </u>	10	B A		
		10	11		
	Mandatory literature:				
	1				
	Supplementary literature:				
	1. J. Pawliszyn and H.L. Lord, (2011), Handbook of				
	sample preparation, John Wiley and Sons, Inc., New				
Literature ² :	York;				
	,				
	2. N.J.K. Simpson, (2000), Solid phase extraction:				
	Principles, Techniques and Applications, Taylor and				
	Francis Group LLC, New York;				
	3. E.M. Thurman and M.S. Mills, (1998), Solid-phase				
	extraction: Principles and practice, John Wiley and				
	Sons, Inc., New York.				

 $^{^{1}}$ 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