NAME OF THE COU	IRSE	ENVIRONMENTA	L GEOCH	EMISTRY						
Code			Year of s	ear of study						
Course teacher		Prohić, PhD, Full sor, tenure	Credits (ECTS)	5.0					
Associate teachers			Type of ir (number	nstruction of hours)	L 30	S 5	E 10	F		
Status of the course	compu	Isory	Percenta	ge of on of e-learning	/					
COURSE DESCRIPTION										
Course objectives	The goal of the course is to provide the basic theoretical and practical knowledge about the processes related to environmental geochemistry. The aim is to train students in identifying and addressing the causes and consequences of global environmental problems and trends of pollution in various environmental media.									
Course enrolment requirements and entry competences required for the course	Undergraduate qualification (6th level of EQF or CROQF).									
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	The student will: - solve the causes and consequences of global environmental problems - analyse the development of pollution in various environmental media - analyse the ozone layer - analyse the acid rain - analyze the greenhouse effect - define the concept of geo medicine - define the basic criteria of environmental ethics									
Course content broken down in detail by weekly class schedule (syllabus)	 Glossary, introductory remarks, definition and basic concept of environmental geochemistry 3. Environment in crisis; analysis of dynamic environmental system, equilibrium, geochemical system, feedback mechanism Biogeochemical system of carbon Greenhouse effect, greenhouse gases, effects, causes, consequences Biogeochemical cycles of ozone and halogenides Ozone layer depletion, ozone hole, causes, consequences. Biogeochemical cycles of sulphur and nitrogen Acid rains, pH of rainwater, causes and consequences of acid rains, case studies -11. Chemical time bomb, definition, explanation of concept, prediction of CTB, case studies 12 - 13. Trace elements and health, concept of geomedicine, case studies 14 - 15. Problems of trace element analysis in environmental sciences. 17. Introduction to environmental ethics 									
Format of	⊠ lect	ures		⊠ independer	nt assiai	nments				

instruction	⊠ seminars a	nd works	hops	□ multimedia								
	⊠ exercises			□ laboratory								
	□ <i>on line</i> in en	tirety		☐ work with mentor								
	☐ partial e-lea	rning										
	☐ field work	_										
Student responsibilities	Regular attend	ance of cl	asses, tests,	written and ora	l exam,							
-	Class A. F. Booker B. Branding Communication											
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS	attendance	1.5 Research			Practical traini	ng						
	Experimental work	Report										
	Essay		Seminar essay									
	Tests	0.5	Oral exam	2.0								
value of the course)	Written exam	0.5	Project	0.5								
Grading and evaluating student work in class and at the final exam	Frontal lectures. Exercises in groups. Preparing written assignment about a selected subject. Attending classes, preliminary exams, homework assignments, seminars and individual work on specific problems											
Required literature (available in the library and via other media)		-	Number of copies in the library	Availability via other media								
	Baird, C Cann, W. H. Freemar											
	vanLoon G.W. chemistry - a g press, 515 str.											
	Berner, E.K. & environment : \ Prentice Hall, I	Nater, Air										
	E. Turban: Decision Support and Expert Systems (Management Support Systems), Macmillan Publishing Company New York, 1993.											
Optional literature (at the time of submission of study programme proposal)	To be defined in accordance with student's particular interests and theme of student's assignment.											
Quality assurance methods that ensure the acquisition of exit competences	Quality assurance will be performed at three levels: (1) University level, through questionnaires; (2) Faculty level by Quality Control Committee; (3) Lecturer's level.											
Other (as the proposer wishes to add)												