		UNIVE Fac								
Stu		dy programm	ie: Chemical Eng	nnology						
		Cycle I	Cycle I							
			IC CHEMISTRY							
Department	Departme	ent for Chemis	nt for Chemistry– Faculty of Technology Zvornik							
Course code		Coι	Course status		ster	ECTS				
04-1-007-2			Compulsory			7				
Teacher		Aleksandar Došić, PhD, Associate Professor								
Teaching assistant	Milomirka Obre	enović, MSc, S	Senior Teaching A	Assistant						
Number of hours week)			oad (per Individual stud			Student workload coefficient S₀				
	-	aboratory exercises	Lectures	Auditory exercises	Laboratory exercises	S₀				
3	1	2	60	20	40	1.33				
3*1	5+1*15+2*15=90 T		orkload 90 + 120	(3*15*1.33+ =210 hours per se		*1.33)=120 hours				
Learning outcomes	elements and f 3. demonstrate 4. perform exp the chemical b 5. formulate ac 6. logically cor use of literature 7. safely hand	 basic knowledge of laboratory and industrial procedures for obtaining selected chemical heir compounds, basic knowledge about the use of selected chemical elements and their compounds, eriments independently and, based on experimental results, formulate conclusions about ehavior of elements and their inorganic compounds, curate conclusions based on experimental results, innect theoretical, experimental and computational knowledge, efficient learning, teamwork, e, e chemicals and basic laboratory equipment. 								
Prerequisites	None.									
Teaching methods	Lectures, audit	tory and labor	atory exercises, r	nid-term tests (co	lloquia).					
Syllabus outline per week	 Chemistry of elements and their compounds. Classification of inorganic compounds - properties and division. Complex compounds. Nomenclature of inorganic compounds. Types of crystal structures. Lattice energy of ionic crystals. Ionic and covalent radii. Classification of solvents Hydrogen. Properties and preparation. Compounds. Classification of hydrides. Elements of group 18 – noble gases. General properties, preparation and compounds. Elements of group 17 – halogen elements. General properties, preparation and compounds. Elements of group 16 – chalcogens. General properties, preparation and compounds. Elements of group 15 - nitrogen group. General properties, preparation and compounds. 									

Obligatory reading										
Author		Title, publisher			Pages					
Poleti, D.		Opšta hemija II deo-hemija elemenata,			1-280					
Gligorić, M., Tadić, G.		Zbirka zadataka iz opšte hemije, Tehnološki fakultet, Zvornik	2004		237-426					
Bogunović, Lj., Poleti D., Popović, M., Stević, S.		Praktikum opšte hemije II deo, Tehnološko- metalurški fakultet, Beograd	1997		1-90					
Additional reading										
Author		Title, publisher	Year		Pages					
Filipović, I., Lipanović, S.		Opća i anorganska kemija II dio-kemijski elementi i njihovi spojevi, Školska knjiga, Zagreb	1989		618-1145					
Popović, M., Vasović, D., Bogunović, Lj., Poleti, D. Ćuković, O.		Zbirka zadataka iz opšte hemije, Tehnološko- metalurški fakultet, Beograd	2007		131-301					
	Type of student evaluation Pre-exam obligations				Percentage					
			1							
Obligations,			dance	6	6 %					
assessment		Laboratory exe		20	20 %					
methods and		Mid-term test -		24	24 %					
grading system		Mid-term test - compute	20	20 %						
	Final examination Final examination (oral) 30 30 %									
	Total		i (orai)	<u> </u>	30 % 100 %					
Total				100	100 %					
Web page	www.tfzv.ues.rs.ba									
Date	2023									