	Cycle		First cycle		
Study program	Study program		Educational Physics		
Physics	GENERAL CHEMISTRY FOR PHYSICISTS				
Course code	Semester	Course type	ECTS credits	L+PW	
POT2411		MANDATORY	4	2+1	
Assigned Lecturers	Prof. dr. Sabina Begić				
	Introducing students with basic chemistry concepts in the field of compounds naming, chemical bonds, solution properties, energy changes and electrochemistry.				
		Course syllabus			
 Solutions Decantation Diffusion a Colloid-dise Periodic s General presentation Classificat Chemical Chemical	and their propon, distillation, filt and osmosis. Elec- spersive systems ystem of the elem- properties of the pativity, polarisati- lar mass determin- ion of elements (bond – ionic, cov bond – energy of anges in chemica ses of inorganic co	ctrolyte solutions. . Colloids. nents. e elements (atom size, on ability and polarisability nation (CO ₂ or metal) s-, p-, d- and f- elements). alent. f covalent bond. Allotropy a al reactions.	culations of solution ionisation energy, e , coordination numbe Electrolytes. Galvanic and isomorphism. Typ	lectron affinity, r and oxidation e elements. bes of chemical	
Student workload (hours)		Assessmer	Assessment of knowledge and grading scale		
Literature and practica work	· · · ·			Points	
Exam study time	55	Attendance	5 (minimu	ım 3)	
Written papers	-	l exam	27,5 (min	imum 15)	
Other (state)	-	II exam	27,5 (min	imum 15)	
Total	100) Final exam	40 (minim	num 22)	
		Total	100 (n	ninimum 55)	
		LITERATURE		/	
RECOMMENDED 1. Emira Kahrović		Opća i anorganska hemija I dio a, Bemust, 2005, Sarajevo	o, Školska knjiga Zagreb	,1995.	