

NAME OF THE COURSE		Laboratory course in inorganic chemistry					
Code	PMC110	Year of study		3			
Course teacher	Assistant Professor PhD Perica Bošković	Credits (ECTS)		2.0			
Associate teachers	Martina Gudelj	Type of instruction (number of hours)		L	S	E	F
						45	
Status of the course	Basic	Percentage of application of e-learning		10%			
COURSE DESCRIPTION							
Course objectives	Performing laboratory exercises, checking and determining the knowledge from the lectures. Introduce to methodology of laboratory experimental work and acquiring the skills required for independent work in laboratory.						
Course enrolment requirements and entry competences required for the course							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	After completing the course, the students will be able to: <ol style="list-style-type: none"> <li>1. Practically determine the theoretical assumptions</li> <li>2. Acquire autonomy in performing experiments</li> <li>3. Create simple experiments to illustrate the chemical properties of the substance</li> <li>4. To actively explore the ways in which this discipline has a consequent impact on the outside world.</li> </ol>						
Course content broken down in detail by weekly class schedule (syllabus)	Laboratory exercises; <ol style="list-style-type: none"> <li>1. Introduction remarks and preparation of aqueous and non-aqueous solutions (3 hours)</li> <li>2. Hydrogen (3 hours)</li> <li>3. Halogen elements -group 17 (3 hours)</li> <li>4. Chalcogen elements, oxygen 16 groups (3 hours)</li> <li>5. Chalcogen elements, sulfur Group 16 (3 hours)</li> <li>6. Nitrogen, Group 15 (3 hours)</li> <li>7. The remaining elements of the 15th group (3 hours)</li> <li>8. Carbon Group 14 (3 hours)</li> <li>9. Remaining Elements of Group 14 (3 hours)</li> <li>10. Boron Group (13th Group) (3 hours)</li> <li>11. Alkaline metals Group 1 (3 hours)</li> <li>12. Earth Alkaline Metals Group 2 (3 hours)</li> <li>13. Transition Elements, Groups 3 to 7 (3 hours)</li> <li>14. Transition Elements, Groups 8 to 12 (3 Hours)</li> <li>15. Additional lab exercise</li> </ol>						
Format of instruction	<input type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work			<input type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input checked="" type="checkbox"/> laboratory <input checked="" type="checkbox"/> work with mentor <input type="checkbox"/> (other)			
Student responsibilities	All laboratory exercises must be finished successfully						
Screening student work (name the proportion of ECTS credits for each)	Class attendance	1.5	Research		Practical training		
	Experimental work		Report		(Other)		

<i>activity so that the total number of ECTS credits is equal to the ECTS value of the course)</i>	Essay		Seminar essay		(Other)	
	Tests	0.5	Oral exam		(Other)	
	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Students will be tested before and during experimental laboratory work. All laboratory exercises must be finished successfully					
Required literature (available in the library and via other media)	<b>Title</b>				<b>Number of copies in the library</b>	<b>Availability via other media</b>
	Inorganic Chemistry 7th Edition, M. Weller, T. Overton, J. Rourke, Oxford University Press (July 24, 2018)					
	Taro Saito, Inorganic Chemistry, Create Space Independent Publishing Platform, 2014.					
Optional literature (at the time of submission of study programme proposal)						
Quality assurance methods that ensure the acquisition of exit competences	Continuous evaluation by monitoring activities and testing, anonymous survey.					
Other (as the proposer wishes to add)						