

Course title			ECTS code	
Nome of unit administrating stu				
Faculty	uy			
		Studies		
Field of study	Туре		Form	
Chemistry	Master Degree		Full-time studies	
Teaching staff		01 1	· • • • • • • • • • • • •	
dr hab. Dagmara Struminska-Paru	egorz Olszewski	i, mgr Aleksandra N	Aoniakowska, mgr Jarosław Wieczorek	
Forms of classes, the realization Laboratory (75 h)	:S:	ECTS credits 9		
A. Forms of classes, in accor regulations	dance with the UG F	Rector's	1	
B. The realization of activiti	es		-	
C. Number of hours			-	
The academic cycle			-	
Type of course	Type of course Langua		instruction	
FacultativeE		English		
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements		
Performing a series of practi-	cal.	A. Final evaluation, in accordance with the UG study regulati		nce with the UG study regulations
		B. Assessmer	nt methods	
		Laboratory exercise: conducting experiments, report preparation (in the form of poster and oral poster presentation)		
		C. The basic	criteria for evaluat	sentation) tion or exam requirements
		Laboratory	exercises:	tion of chain requirements
		 Presence in the laboratory classes and practical 		
		conducting of experiments in accordance with the		
		instructions		
		 Posi 	tive evaluation of	of the report on laboratory
		expe	eriments (in the f	form of poster and oral poster
		presentation)		
Required courses and introducto	ory requirements	-+++x x		
Allowicuge of the principles	Of general chemis	,u y		
 To gain knowledge it 	n the field of basic	and nuclear (homistry	
 To gain knowledge it 	n the field of radic	vehemistry	nemistry	
 To gain knowledge in 	n the field of radia	tion protectio	n	
Course contents			11	
A. Laboratory				
Performing a series of practi	cal exercises in the	e field of nucl	ear and elementa	ary physics, methods of
measuring isotope properties	s and impact ioniz	ing radiation (on matter and oth	her phenomena at the nuclear
level.	Ŧ	C		1



Bibliography of literature

A. Literature required to pass the course

Skwarzec B., Kabat K., Procedury i procesy w analizie radiochemicznej, 2009

Skwarzec B., Boryło A., Strumińska-Parulska D., Olszewski G., Przewodnik do ćwiczeń laboratoryjnych z chemii jądrowej, radiochemii oraz bezpieczeństwa jądrowego i monitoringu skażeń promieniotwórczych, 2017

B. Extracurricular readings

Dahlgaard H., Nordic Radioecology: The Transfer of Radionuclides through Nordic Ecosystems to Man, Elsevier, 1994,

Matishov D., Matishov G., Radioecology in Northern European Seas, Springer, 2004,