Sylabusy - Centrum Informatyczne UC



	P KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI	rojekt współfir Unię Europe Europejskie Społe	nansowany p jską w rama ego Fundusz ecznego	ch	UNIA EUROPEJSKA EUROPEJSKI FUNDUSZ SPOŁECZNY	*** * * ***	
Course title				ECTS	code		
QSAR in toxicology			13.3.1312				
Name of unit administrating study							
null	0,						
Studies							
		1					
faculty Wydział Chemii	field of study Chemia		type drugiego stopnia form stacjonarne				
			pecialty Digital Chemistry				
		specialization	wszystkie				
Teaching staff							
	wicz-Skrętna; prof. dr hab. Tom	aez Duzvn: dr	Alicia Mikoł	aiczyk:	dr inż Karolina lagiełło		
	he realization and number of h				credits		
Forms of classes					oround		
				2	oratory classes 20 h		
Laboratory classes The realization of activities				Laboratory classes - 30 h student's own work – 10 h			
				tutorial classes – 10 h			
classroom instruction Number of hours				Total: 50 h - 2 ECTS			
Number of nours				100			
Laboratory classes: 30 hours							
The academic cycle							
2024/2025 winter s	semester						
Type of course	Languag	Language of instruction					
an elective course	Englis	English					
Teaching methods	examina	Form and method of assessment and basic criteria for eveluation or examination requirements					
 In the computational laboratory students will conduct hands on exercises 			Final evaluation				
 •project-based method (research, implementation, 			Graded credit				
practical project)			Assessment methods				
r			 completion of the final project (building, programming, and testing of a QSAR model for predicting toxicity) 				
			- completion of all assigned projects during classes in the computer lab				
			- written report for each assigned project				
ĺ			The basic criteria for evaluation				
			Assessment criteria in accordance with the University of Gdańsk Study Regulations - correctness of the reports on assigned projects, the final grade of the lab. is based on the partial grades received from each report and presentation of the final project; failure				
Mothod of varifying	required learning autoans-	to complet	e the experim	ental pa	irt means failing the laborato	ry exercises	
Method of verifying required learning outcomes							
Required courses and introductory requirements							
A. Formal requireme	nts						
B. Prerequisites Introduction to digital chemistry, introduction to mathematics, introduction to chemistry, introduction to Python/R							
Aims of education							
Achieving advanced skills in QSAR model development and validation							
Familiarizing the students with the available software allowing to develop and validate QSAR model for predicting toxicity							

Familiarizing the students with Python/R scripts used in QSAR model development and validation

