


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
Toxicology		13.3.0398	
Name of unit administrating study			
null			
Studies			
faculty	field of study	type	pierwszego stopnia
Wydział Chemii	Chemia	form	stacjonarne
		specjalty	chemia żywności
		specialization	wszystkie
Teaching staff			
dr hab. Dagmara Strumińska-Parulska, profesor uczelni			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		1	
Lecture		classes - 15 h	
The realization of activities		tutorial classes – 2 h	
classroom instruction		student's own work – 8 h	
Number of hours		Total: 25 h - 1 ECTS	
Lecture: 15 hours			
The academic cycle			
2023/2024 summer semester			
Type of course		Language of instruction	
obligatory		polish	
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements	
Lecture with multimedia presentation		Final evaluation	
		Graded credit	
		Assessment methods	
		- written exam with open questions	
		- written exam (test)	
		- Writing exam	
		10 open questions and 10 test questions on the basis of the lecture's program	
		The basic criteria for evaluation	
		1. Evaluation criteria in accordance with the UG Studies Regulations;	
		2. Positive mark from the written exam: 10 open questions and 10 test questions on the basis of the lecture's program	
Method of verifying required learning outcomes			
Required courses and introductory requirements			
A. Formal requirements			
no requirements			
B. Prerequisites			
no requirements			
Aims of education			
Acquaint the students with history and basics of toxicology. Understanding terminology and basic concepts from toxicology. Understanding the risk of basic toxic metals contamination, toxic plants and food additives. Acquaint the basics of radiotoxicology			
Course contents			

<p>History and aims of toxicology. Milestones in toxicology. Poisons and poisonings. Basic terms in toxicology. Basic factors of contamination and poisoning. Dose-effect. Absorption routes - ADME. Toxicity mechanisms. Chemical safety. Toxicometry – toxic effects and tests. Risk assessment of chemical substances toxic effects. Toxic plants and their active substances. Toxicity of pesticides and metals. Radiotoxicology.</p>	
<p>Bibliography of literature</p> <p>Literature required to pass the course Monographic works provided by assistants leading classes Extracurricular readings Seńczuk W (red.): Toksykologia współczesna Piotrowski J.K. (red.): Podstawy toksykologii. Kompendium dla studentów szkół wyższych</p>	
<p>The learning outcomes (for the field of study and specialization)</p>	<p>Knowledge</p> <ol style="list-style-type: none"> 1. knows the goals and tasks of toxicology, 2. knows and understands terminology and basic concepts in toxicology, 3. knows the general ideas of toxicology, 4. knows the types and mechanisms of poisoning and general principles of prevention against poisoning, 5. knows the structure and dynamic properties of selected toxic metals, 6. knows national and selected foreign poisonous plants, 7. knows the risks associated with the use of pesticides and selected food additives.
	<p>Skills</p> <ol style="list-style-type: none"> 1. uses the correct toxicological terminology, 2. conducts environmental toxicological interview, 3. protects materials for toxicological tests, 4. identifies national poisonous plants, 5. uses the professional toxicological literature.
	<p>Social competence</p> <ol style="list-style-type: none"> 1. is aware of the risk of toxic substances in the human environment, 2. makes the public aware of surrounding, readily available poisonous substances.
	<p>Contact</p> <p>dagmara.struminska@ug.edu.pl</p>