

Course title Toksykologia/ Toxicology		ECTS code 13.3.0398	
Name of unit administrating study Faculty of Chemistry			
Studies			
Field of study	Type	Form	
Chemistry	Bachelor	Full-time studies	
Teaching staff dr hab. Dagmara Strumińska-Parulska, prof. nadzw.			
Forms of classes, the realization and number of hours		ECTS credits 1	
A. Forms of classes, in accordance with the UG Rector's regulations lecture		classes - 15 h tutorial classes – 2 h student's own work – 8 h	
B. The realization of activities in-class learning		Total: 25 h - 1 ECTS	
C. Number of hours 15 h lecture			
The academic cycle Second year, summer semester			
Type of course obligatory		Language of instruction Polish	
Teaching methods Lecture with multimedia presentation		Form and method of assessment and basic criteria for evaluation or examination requirements	
		A. Final evaluation, in accordance with the UG study regulations course completion (with a grade)	
		B. Assessment methods Writing exam	
		C. The basic criteria for evaluation or exam requirements 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	
Required courses and introductory requirements 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 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.			
Bibliography of literature			
A. Literature required to pass the course Monographic works provided by assistants leading classes			
B. Extracurricular readings Seńczuk W (red.): Toksykologia współczesna Piotrowski J.K. (red.): Podstawy toksykologii. Kompendium dla studentów szkół wyższych			

Knowledge

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.

Skills

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.

Social competence

1. is aware of the risk of toxic substances in the human environment,
2. makes the public aware of surrounding, readily available poisonous substances.