

Course title: Environmental risk assessment of chemicals						
	Specialty	Semester	Number of ECTS	Number of hours in the class	Form	
	Foreign students	winter	1	5	Lecture	
Name of lecturer: Prof. Piotr Stepnowski						
Objective of the course (expected learning outcomes and competences to be acquired)						
To make students familiar with the following issues:						
<ul style="list-style-type: none"> - types of hazardous chemicals - elements of chemical structure responsible for persistency - principles for prediction of chemical risks - toxicity / ecotoxicity evaluation of chemicals 						
Prerequisites: completed courses of general chemistry, organic chemistry, physical chemistry						
Teaching methods:						
<ul style="list-style-type: none"> • Lecture with multimedia presentation 						
Course contents						
Environmental sciences, pollutants, biological effects, environmental exposure pathway, environmental impacts, chemical composition, chlorinated aromatic hydrocarbons, pesticides, solubility, toxic materials, organic halogen compounds, hazardous materials, water pollution.						
Recommended reading:						
Verschuere, K. Handbook of environmental data on organic chemicals. Second edition, Van Nostrand Reinhold Co. Inc., New York, NY						
Lyman, W.J.; Reehl, W.F.; Rosenblatt, D.H. Handbook of chemical property estimation methods: Environmental behavior of organic compounds. Washington, DC (United States); American Chemical Society						
Assessment methods:						
Written exam with closed questions (test)						
Language of instruction: English						