

<b>Level:</b> PhD				
<b>Course title:</b> SELECTED TOPICS OF ECO-CHEMICAL EDUCATION				
<b>Status:</b> elective				
<b>ECTS:</b> 15				
<b>Requirements:</b> none				
<b>Learning objectives:</b> Enabling PhD students to motivate and educate elementary/secondary school students in the area of environmental protection within the chemical educational content.				
<b>Learning outcomes:</b> After completing the course, a PhD student is able to: <ul style="list-style-type: none"> <li>• demonstrate comprehensive knowledge of basic ecological processes incorporated in chemical education content;</li> <li>• demonstrate methodological ability to detect irresponsible use of chemical products and environmental pollution;</li> <li>• successfully organize educational research in the field of eco-chemical education.</li> </ul>				
<b>Syllabus</b> <i>Theoretical instruction</i> Toxic xenobiotics. Metabolism of persistent xenobiotics. The origins and development of the theory of environmental risk. Four stages of analysis and risk assessment. Software development for the assessment of health risks. Pollution, health, environment and man. Toxic pollutants at home. Recycling at school. Activities in the school ecological section  <i>Practical instruction</i> Calculating the environmental and health risks. The application and design of software and evaluation of human exposure to environmental toxicants.				
<b>Weekly teaching load</b>				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	