

<b>Study program:</b> Faculty of Environmental protection			
<b>Type and level of study:</b> Doctoral academic studies			
<b>Course Title:</b> ASSESSMENT OF ECOLOGICAL RISKS			
<b>Teacher(s):</b> Snežana Štrbac			
<b>Status:</b> ELECTIVE, IV semester			
<b>ECTS:</b> 15			
<b>Prerequisite:</b> None			
<b>The goal of the course:</b> The basic goal of this course is the achievements of knowledge, skills and abilities needed for solving complex task of environmental risk management which are the great threat to the sustainable development of society. Students gain the knowledge about different kind of ecological risks, policies of risks assessments at global, regional, and local level and possibilities of adequate responses on existing risks regarding of level of adopted risk assessment methodologies.			
<b>The outcome of the subject:</b> Students understand the importance of term of risk assessment, the whole process of risks assessment, as well adoption of modern methodologies of risk treatment, control and documentation of risk assessment process and national and international standards developed for this purposes. In accordance with hazards students understand the process of risk communication in environmental risk management, the role of public and policy makers.			
<b>Syllabus:</b> <i>Theoretical study</i> – terminology, history and definition of research object. The term of security, human security and ecological security. Term and classification of ecological risk Natural ecological risks. Anthropogenic environmental risks. The frequency of natural phenomena and catastrophe as specific kind of ecological risk. Environmental contamination. Term of ecological risk and risk assessment process, elimination risk treatment and mitigation of its consequences. Legal framework in a process of assessment of ecological risks at national and international level. National standards for risks assessment. Methodology of risk assessment, quantitative and qualitative. Communication of ecological risks. Actors in ecological risk communication in the Republic of Serbia. Health and ecological risks. The role of public-private partnership in management of ecological risks. <i>Practical classes</i> – Creation of risk maps and study cases.			
<b>Literature:</b>			
<ol style="list-style-type: none"> <li>1. Радовић, В.: Безбедност животне средине-евалуација и савремени приступи, Универзитет Едуконс, Сремска Каменица, 2013.</li> <li>2. Young, C.: Metrics and Methods for Security Risk management. Elsevier, 2010.</li> <li>3. Цифрић, И.: Одрживи развој и стратегија заштите околиша, Загреб, 2000.</li> <li>4. Division on Earth and Life Studies and National Research Council. Science and Decisions: Advancing Risk Assessment by Committee on Improving Risk Analysis Approaches. Used by the U.S. EPA, Board on Environmental Studies and Toxicology, 2009.</li> <li>5. Robson, M., Toscano, W.: Risk Assessment for Environmental Health . Jossey-Bass. A Wiley Imprint, Sann Francisco, CA, USA, 2007.</li> </ol>			
<b>Number of lectures:</b>			Other Classes
Lectures: 3	Practices:	Other forms of teaching:	
Student research work: 7			
<b>Teaching methods:</b> Lecturing, consultation individual scientific-research work			
Score for grading (maximal 100 points)			
<b>Pre-commitments</b>	<b>Points</b>	<b>The final exam</b>	<b>Points</b>
Activity during lectures	10	Written exam	
Written asigment	50	Oral examination	40
Seminars			
<i>Total</i>			