

<b>Title of the course:</b> <b>Project Work</b>	<b>NEPTUN-code:</b> RKPPR1ABNE	<b>Weekly classes:</b> <i>lecture+practical work+lab work</i> 0+0+2	<b>Credit:</b> 4 <b>Exam type:</b> tm
<b>Course leader:</b> Rita Kendrovics-Boda, Dr.	<b>Position:</b> associate professor	<b>Required preliminary knowledge (with Neptun code):</b> RKXKE1ABNE, RKXKE2ABNE, RKXKA1ABNE	
<b>Curriculum:</b>			
<p>The course aims to provide students expertise and experience in integrating and applying knowledge from previous courses, as well as to extend students' skills in a certain field of environmental science. It is important to work on field, measure in genuine environment and lab and get experience in that in order to be able to solve complex problems in the future. Based on these experiences on field, the problem-solving skills of the students will improve. Moreover, due to field work, students' environmental awareness will be increased.</p> <p>During the semester, students are working in small groups (4 person max.). Each group gets a different certain environmental problem to solve, from localizing the problem to finding the most appropriate solution for that. At the end of the semester, students have to present their project work and solutions in detail, and hand in a written report as well.</p>			
<b>Professional competencies:</b>			
<p>Knowledge of general and specific mathematical, natural and social scientific principles, rules, relations, and procedures as required to pursue activities in the special field of environment protection.</p> <p>Knowledge of the learning, knowledge acquisition, and data collection methods of the special fields of environment protection, their ethical limitations and problem solving techniques.</p> <p>Comprehensive knowledge of the basic features and interrelations of environmental elements and systems, as well as of the environmentally harmful substances affecting them. Knowledge of the main methods to examine the quantity and quality features of environmental elements and systems, their typical measuring instruments and limitations thereof, as well as methods for the evaluation of data measured.</p> <p>Able to participate creatively in engineering work based on their multidisciplinary skills, as well as to adapt to continuously changing circumstances.</p> <p>Open to professional cooperation with specialists related to their profession but involved in other areas.</p> <p>Taking responsibility towards society for their decisions made in the scope of environment protection.</p> <p>Cooperation with qualified experts from other special areas (primarily economic and legal) in the course of completing professional tasks.</p>			
<b>Literature:</b>			
Curriculum in the e-learning system			
ppt of the lesson			