

Environmental analysis and environmental informatics (10-30cr.):

Title of the course: Informatics I.	NEPTUN-code: RMEIN1ABNE	Weekly teaching hours: <i>l+cw+lb</i> 1+0+3	Credit: 4 Exam type: <i>tm</i>
Course leader: Eszter Kormány, Dr.	Position: senior lecturer	Required preliminary knowledge: -	
Curriculum:			
<p>The aim of the course is to form a basis of informatics for the respective university studies and for the subsequent engineering career as well. Throughout the lectures one will receive insight of the formation, development, current state and areas of development related to the science of informatics. The course covers computer architectures and the necessary hardware and software components as well as the application of the ethical and safe use.</p> <p>The seminars are focusing on data analysis, problem solving and building algorithms. The skills acquired thereof could be applied to solve tasks of the corresponding subjects and to professional work later on.</p>			
Professional competencies:			
<p>In possession of state-of-the-art IT skills, being able to use professional databases and certain design, modelling, and simulation softwares depending on their specialty. Adequate perseverance and endurance of monotony to perform practical operations.</p>			
Literature:			
1. PPT files on the homepage of Moodle learning system			
Comment: The ppt files are continuously renewed according to the new literature data.			