<i>Title of the course:</i> Risk analysis	<i>NEPTUN-code:</i> RKXKO1ABNE	Weekly teaching hours: <i>l</i> + <i>cw</i> + <i>lb</i>	Credit: 3 Exam type: e
<b>11</b> 1511 <b>11</b> 111 515		2+1+0	
Course leader:	Position:	Required preliminary knowledge:	
Sándor Pekker, Dr.	research		
	professor		
Curriculum:			
Definition and types of risk			
The risk-taking			
Risk measures			
The controllability of risk			
Environmental risks and environmental functions of companies			
Health Risk Assessment (HRA) Ecological Risk Assessment (ERA)			
The risk of natural hazards, disasters			
The environmental risk of toxic elements			
Environmental risks in the information society			
Special and border areas.			
Professional competencies:			
environment protection. In possession of state-of certain design, modelling Knowledge of the learni special fields of environ techniques. Knowledge of the method assessments and for comp Able to perform environm studies.	, and simulation softwa ng, knowledge acquist ment protection, their cology and legal regulat biling impact studies. mental impact assessme	are depending on their sp ition, and data collectio ethical limitations and tions for performing envi ents and to participate in	pecialty. n methods of the problem solving ironmental impact compiling impact
Able to perform public administrative and authority tasks related to environment protection			
after getting acquainted with the duty assigned to them.			
Literature:			
1. Marvin Rausand: Risk Assessment: Theory, Methods, and Applications (Statistics in Practice), 1st Edition, Wiley, 2011, ISBN-13: 978-0470637647; ISBN-10: 0470637641			
2. Thomas Simon: Edition 2; Copyright: 2013 , Kend	dall Hunt, Pages: 532;	ISBN 9781465229373	
3. Ian Lerche, Walter Glaesser: Environmental Risk Assessment: Quantitative Measures,			
Anthropogenic Influences, Human Impact, Springer Science & Business Media, 2007, 343			
pages; ISBN: 9783540297093			