

[Title]			[Instructor]		
Advanced Risk Management			Hidehiro Kaneko/Yasunori Hada		
[Code]	[Credits]	[Program]	[Semester]	[Hours]	[Language of instruction]
PTT702	1	Departmental Common Courses		Intensive	
[Outline and purpose]					
This lecture consists of two parts and both are to be done intensively. The aim of the first part is to acquire practical knowledge concerning Risk Management. Fundamental approach methods from the definition of important technical terms to the method of risk management are to be explained. Required actions for actual crisis are also to be discussed. In order to help deep understanding, discussion by students and simulation interview will be included. In the second part, basic evaluation methods for the environmental risk of chemical substances are to be explained. Methods of the hazard evaluation, the concentration estimation of target chemical in the environment and the judgement of the magnitude of risk are explained. The method of risk communication between enterprises who use chemical substances and citizens are also learned using AV program.					
[Objectives]					
To understand and to be able to explain followings are the objectives of this lecture. 1) Basic aspect of Business Continuity Plan (BCP) 2) Crisis communication 3) Outline of environmental risk of chemical substances 4) Basic method to evaluate environmental toxicity 5) Important matter for risk communication concerning chemical substances					
[Requirements]					
It is preferred to have basic knowledge concerning disaster management engineering, IT and risk management. But these are not mandatory.					
[Evaluation]					
Evaluation is to be done mainly by reports. Attendance and cooperation to lecture are also included.					
[Textbooks]					
[References]					
[Schedule]					
Part 1: Risk Management and Risk Communication (by Dr. Hada) 1) Risk Management (Crisis Management and Risk Management) 2) Business Continuity Plan (BCP) 3) Risk Communication 4) Exercise Part 2: Environmental Risk Evaluation and Management of Chemical Substances (by Dr. Kaneko) 1) Flow of Environmental Risk Evaluation 2) Methods of environmental toxicity evaluation 3) Methods of Environmental Risk Evaluation 4) Risk Communication concerning Chemical Substances					