Subject	Water and Waste Engineering Credits 2				2	
Subject Type	<u> </u>		Schedule	Fri. 3rd (13:00-14:30)		
Course	Master's Cours					
Keywords	Water system, Waste treatment system, Water supply engineering, wastewater					
	engineering, Waste Management Engineering					
Outline	We will give lectures on the water and wastewater system, waste management					
	system, the management system and cutting-edge technologies for water, waste,					
	and human health and the environment. In addition, we consider the water and waste					
	system from the viewpoint of natural disaster, climate change, and depopulation					
	society. And, we will discuss the emergency environmental management.					
Objectives	To management system and technology for water and waste management					
	system					
	To discuss and explain on water, wastewater and waste management.  The state of the state o					
	• To discuss the future water and waste system with the influence on natural					
	disaster, climate change, and depopulation society.					
	To understand emergency environmental management.  Society Engineering Water and Waste Policy Urban Environmental Systems.					
Basic subject	Sanitary Engineering, Water and Waste Policy, Urban Environmental Systems Engineering					
Related subject	N.D.					
Contents	1. 4/14	Introduction				
	2. 4/21	Drinking water quality risk management				
	3. 4/28	Water supply system in Japan				
	4. 5/12					
	5. 5/19	Water quality risk management in emergency				
	6. 5/26	Recovery of clean water				
	7. 6/02	Wastewater treatment system in Japan				
	8. 6/06	Watershed water quality risk management				
	9. 6/16	Waste management system in Japan				
	10. 6/23	Solid waste management technology				
	11. 6/30	Disaster debris management system				
	12. 7/07	Disaster resilience and water system				
	13. 7/14	Presentation 1				
	14. 7/21	Presentation 2				
	15. 7/28	Report				
Course Textbook	Handouts					
	Recommended reference books will be introduced in class.					
	Presentation & Materials: English					
	Oral explanations: English					
	Questions in English: Available					
Grading Criteria	Participation 45%, Presentation 25%, and Report 30%					
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