

Adaptation to Environmental Change and Disaster Risk			
■ ■ Lecturer(s)			
Makoto Tamura, Ryo Takeuchi, Frank Hiroshi Ling (SELC Co)			
■ ■ Code	KZ4005	■ ■ Numbering	KZ-MUL-312-AIM
■ ■ Course overview			
<p>This lecture presents a perspective of climate change issue from the viewpoint of global and regional sustainability. First, it will focus on impacts of climate change, disasters, agriculture and ecosystem. Then, the concepts of countermeasures against global warming, mitigation and adaptation, and targets and options of adaptation will be introduced. Through the lecture, we will consider the relationship between climate change adaptation and disaster risk management.</p>			
■ ■ Keyword(s)			
Climate change, Mitigation, Adaption, Disaster risk management, Eco-system			
■ ■ Learning objectives			
Students can obtain the latest knowledge and opinion how to deal with multiple risks such as climate change and disaster risk.			
■ ■ Lesson plans & homework			
<ol style="list-style-type: none"> 1. Introduction (MT) 2. Sustainability issues and climate change (MT) 3. Mechanisms and present situation of climate change (MT) 4. Countermeasures for climate change: adaptation (MT) 5. Countermeasures for climate change: mitigation (MT) 6. Relationship between energy, economy and environment (incl. climate change) (MT) 7. Building smart, resilient communities and urban systems (FL) 8. Accelerating innovation for climate technologies (FL) 9. Risk perception and communication (FL) 10. National policies for climate adaptation (FL) 11. How to conserve secondary natural landscapes; SATOYAMA case studies in JPN (RT) 12. Rural environment and economic growth (RT) 13. Case study of the Mekong-Delta (MT) 14. Group-work & Wrap-up (MT) 15. Discussion & Examination <p>[Homework]</p> <p>Handouts will be shared using MS TEAMS. Self-learning (approximately 90 minutes/class) will be required for preparation. Students are encouraged to learn more about climate change issue from the viewpoint of global and regional sustainability by reading academic papers and reference books. Texts and/or references are introduced as appropriate by instructor.</p>			
■ ■ Notes			
Contact: AIMS Steering Committee (Dr. Nobuo SAKAGAMI) is anytime available through MS TEAMS.			

On-line / face-to-face / blended			
Blended (open for on-line AIMS students)			
Device requirements			
Laptop PC			
Evaluation criteria			
A+ (90-100):	able to suggest an action plan for environmental change and disaster risk		
A (80-89):	able to assess the process for environmental change and disaster risk		
B (70-79):	able to discuss what is environmental change and disaster risk		
C (60-69):	obtain basic knowledge on environmental change and disaster risk		
D (0-59):	unable to understand environmental change and disaster risk		
Grading			
Learning results are evaluated by an examination on the assigned subjects at the last session.			
Textbook(s)			
ISBN: ; Title: ; Author(s): ; Publisher: ; Year:			
Reference book(s)			
ISBN: ; Title: Climate Change and Global Sustainability: A Holistic Approach; Author(s): A. Sumi, N. Mimura and T. Masui; Publisher: UNU Press; Year: 2011			
Diploma policy			
Large perspective of the world		very important	
Knowledge and skills in a specific field		very important	
Problem-solving ability		important	
Communication skill		important	
Practical English skill		important	
Attitude as a conscious member of society		slightly important	
Focus on regional revitalization		slightly important	
Active learning	-	PBL	-