

PL5152 Disaster Management and Adaptation to Climate Change

Module designation	Disaster Management and Adaptation to Climate Change
Semester(s) in which the module is taught	1 st Semester (first year of master program)
Person responsible for the module	Ir. Harkunti Pertiwi Rahayu, Ph.D.
Language	Indonesian
Relation to curriculum	Specialisation Compulsory Course
Teaching methods	Lectures and discussions, empirical studies / case studies, class debates, brainstorming, talk shows / panels, roundtables, guest lectures
Workload (incl. contact hours, self-study hours)	(Estimated) Total workload: around 9 hours per week x 16 weeks = 144 hours <ul style="list-style-type: none"> • Face to face teaching: 2 hours per week = 2 x 16 = 32 hours • Self-study hours: 7 hours per week: 7 x 16 = 112 hours
Credit points	3 CU/5 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	Students understand the concepts and implementation of disaster risk assessment and analysis in the field of urban and regional planning. Students understand the concepts and implementation of disaster risk assessment and analysis in the field of urban and regional planning
Content	This lecture provides an introduction and the basics of concepts, theories, and practices related to disaster mitigation and climate change adaptation in the science of urban and regional planning, including: <ol style="list-style-type: none"> 1. Basic Concepts of Disaster Management, Disaster Mitigation and Climate Change Adaptation 2. Hazard, Vulnerability and Capacity Analysis (HVCA) 3. Disaster Risk Reduction based Spatial Planning 4. Assessing & Improving Preparedness 5. Early Warning System 6. Recovery Planning – Legal Aspect, Budgeting and Lesson Learned
Examination forms	Individual Works, Group Works for Case Study Project, and Final Examination.
Study and examination requirements	Individual Works 1 (10%), Individual Work 2 (10%), Group Works for Case Study Project (40%), and Final Examination (40%).
Reading list	<ol style="list-style-type: none"> 1. Communicating Emergency Preparedness, Damon P. Coppola, CRC Press. 2017. 2. At Risk: Natural Hazard, people's vulnerability and disaster, Ben Wisner et al, Routledge, 2003. 3. Indigenous Knowledge and Disaster Risk Reduction, Rajib Shaw, NOVA, 2009. 4. The Globalization of Risk: The Social Contours of Risk, Jeanne X, Earthscan. 2005.