



SEMESTER STUDY PLAN

Study program: Master of Environmental Science

Faculty: Graduate School

Subject:	Disaster Management Strategy	Code: P-CIL-8-210	Credit:2 (4 ECTS)	Shem:2
Supporting lecturer:	1. Dr. Dra. Kismartini, M.Si. 2. Dr. Eng. Maryono, ST. MT. 3. Mochamad Arief Budiharjo, ST.M.Eng.Env.Eng.,Ph.D			
Learning Outcomes Subject:	• Students are able to understand and explain the hazards and disasters that occur • Students are able to understand and explain the concept of disaster risk reduction which is related to disaster management in the effort to overcome • Students are able to understand and explain disaster preparedness			
Short Description of Courses:	This Disaster Mitigation Strategy course aims to equip students with knowledge, understanding and application of disaster mitigation strategies as well as efforts in dealing with disasters.			

1	2	3	4	5	6	7	
Week	Final Ability of each learning stage	Study Materials/ Subjects	Learning methods	Time	Student Learning Experience	Evaluation	
						Criteria & Indicators	Weight (%)
1.	Presentation on the study contract	Lecture Contract and, Exposure to hazards and disasters that occur in the vicinity	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes Individual Tasks (Self Work) = 1 x 36	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5

				<i>minutes/day (16 weeks)</i>			
2	Students are able to explain and understand about various kinds of disasters and hazards	Exposure on the difference between hazards and disasters, meteorological and hydrological hazards	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • <i>Lecture = 1x 120 minutes</i> • <i>Q&A = 1 x 20 minutes</i> • <i>Discussion = 1 x 20 minutes</i> • <i>Presentation = 1 x 20 minutes</i> <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
3	Students are able to explain and understand disaster vulnerability and risk	Presentation on vulnerability and disaster risk	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • <i>Lecture = 1x 120 minutes</i> • <i>Q&A = 1 x 20 minutes</i> • <i>Discussion = 1 x 20 minutes</i> • <i>Presentation = 1 x 20 minutes</i> <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
4	Students are able to explain and understand related to sustainable disaster mitigation	Presentation on sustainable disaster mitigation	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • <i>Lecture = 1x 120 minutes</i>	Students listen to the lecturer's explanation and answer the	• Presence • Activeness in Discussion • Understanding	5

				• Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)	lecturer's questions, as well as discuss		
5	Students are able to explain and understand the roles and responsibilities of various interests in dealing with disasters	Presentation on the roles and responsibilities of the international, government, and private sector	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
6	Students are able to explain and understand related to disaster mitigation planning	Presentation on disaster mitigation planning, disaster management and the role of government	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5

				<i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>			
7	Students are able to explain and understand about disaster resilience and community resilience in dealing with disasters	Presentation on coordination of community resources, disaster resilience, disaster recovery, community resilience in dealing with disasters	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
8	Students are able to explain and understand about disaster preparedness	Presentation on disaster preparedness. Evaluation of pre-disaster mitigation programs	Lectures, questions and answers, and discussions	216minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
9	Students are able to explain and understand	Presentation on formal disaster response	Lectures, questions and	216 minutes (0.25 ECTS) Consist of:	Students listen to the lecturer's explanation and	• Presence • Activeness in Discussion	5

	the formal disaster response		answers, and discussions	• <i>Lecture = 1x 120 minutes</i> • <i>Q&A = 1 x 20 minutes</i> • <i>Discussion = 1 x 20 minutes</i> • <i>Presentation = 1 x 20 minutes</i> <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	answer the lecturer's questions, as well as discuss	• Understanding	
10	UTS	UTS material from meeting 1-9	Written test	216 minutes of processing time is equivalent to 0.25 ECTS	Students working on UTS questions	Timeliness and quality of answers	10
11.	Students are able to explain and understand about informal disaster response	Presentation on informal disaster response	• Lectures, questions and answers, and discussions	216 minutes (0.25 ECTS) Consist of: • <i>Lecture = 1x 120 minutes</i> • <i>Q&A = 1 x 20 minutes</i> • <i>Discussion = 1 x 20 minutes</i> • <i>Presentation = 1 x 20 minutes</i> <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
12	Students are able to explain and understand about post-disaster recovery	Presentation on disaster recovery	Lectures, questions and answers, and discussions	216 minutes (0.25 ECTS) Consist of: • <i>Lecture = 1x 120 minutes</i> • <i>Q&A = 1 x 20</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5

				<i>minutes</i> • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>			
13	Students are able to explain and understand disasters & development	Exposure on disasters & development	Lectures, questions and answers, and discussions	216 minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
14	Students are able to explain and understand about information technology in the field of disaster	Presentation on disaster-related information technology	Lectures, questions and answers, and discussions	216 minutes (0.25 ECTS) Consist of: • Lecture = 1x 120 minutes • Q&A = 1 x 20 minutes • Discussion = 1 x 20 minutes • Presentation = 1 x 20 minutes <i>Individual Tasks (Self Work) = 1 x 36</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5

				<i>minutes/day (16 weeks)</i>			
15	Students are able to explain and understand the issues in emergency management	Presentation on issues in emergency management	Lectures, questions and answers, and discussions	216 minutes (0.25 ECTS) Consist of: • <i>Lecture = 1x 120 minutes</i> • <i>Q&A = 1 x 20 minutes</i> • <i>Discussion = 1 x 20 minutes</i> • <i>Presentation = 1 x 20 minutes</i> <i>Individual Tasks (Self Work) = 1 x 36 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	• Presence • Activeness in Discussion • Understanding	5
16	UAS	Meeting Materials 1-15 (resume material)	Written test	330 minutes of processing time or the equivalent of 0.25 ECTS	Students working on UAS questions	Completeness and the truth explanation as well accuracy understanding	20
8.Reference List:		1. Adiyoso Wignyo. 2018. Disaster Management (Introduction and Strategic Issues). Earth Literature. Jakarta 2. Ulum Chazienul. 2014. Disaster Management (An Introduction to a Proactive Approach). UB Press. Poor 3. Khambali.2017.Disaster Management. ANDI publisher. Yogyakarta 4. Son of Rusnardi.2020. Disaster Management. UNP Press. field					