SEMESTER STUDY PLAN

Study program: Master of Environmental Science			**Faculty: Graduate School**				
Subject:	**Research Evaluation 2**	**Code:** P-CIL-8-337		**Credit:3 (6 ECTS)**		**Shem:3**	
Supporting lecturer:	**Supervisor** **Co-supervisor**						
Learning Outcomes Subject:	The general learning objective of this course is that students are able to evaluate (C6) research in one of the research fields (abiotic, biotic, culture) that has been carried out during the master by research program. • Students are able to explain (C2) the linkage of components A (Abiotok) , or B (Biotics) , or C (Culture) in the development of environmental science and or solving environmental problems. • Students are able to analyze (C4) one of the components of A (Abiotic), or B (Biotic), or C (Culture) in the development of environmental science and or solving environmental problems. • Students are able to evaluate (C6) research on one of the components A (Abiotok), or B (Biotic), or C (Culture) in the development of environmental science and or solving environmental problems.						
Short Description of Courses:	This course discusses the evaluation of research 2 in the master program with a concentration of environmental science with research. Evaluation research 2 emphasizes component A (Abiotic), or Component B (biotic) or component C (Culture) in the development of environmental science and or solving environmental problems.						

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.	Students understand the integration of components A (Abiotic), B (Biotic) and C (Culture)	Research Evaluation: Emphasizing the importance of the integration of components A (Abiotok) , or B (Biotics) , or C (Culture) in the development of environmental	Lectures, questions and answers, and discussions	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Students know the lecture system	Activity	2.5

		science and or solving environmental problems.					
2	Students understand valid data collection techniques	Research Guidance and Evaluation: Data collection techniques	Lectures, questions and answers, and discussions	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Sampling technique discussion	Criteria: Student activity	2.5
3	Students understand quantitative analysis of research data	Guidance and evaluation of quantitative analysis of research data	Lectures, questions and answers, and discussions	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Lectures and Discussions	Criteria: Student activity	2.5
4	Students understand qualitative analysis of research data	Guidance and evaluation of the qualitative analysis of research data	Lectures, questions and answers, and discussions	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Data analysis discussion	Student presentations and activities	2.5
5		Guidance and evaluation of	Discussion and Q&A	220 minutes (0.375 ECTS)	Data analysis discussion	Completeness and the truth	5

	Students interpret quantitative data	quantitative data interpretation		Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*		explanation as well accuracy interpretation of quantitative data	
6	Students interpret qualitative data	Guidance and evaluation of qualitative data interpretation	Lectures, questions and answers, and discussions	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Data analysis discussion	Completeness and the truth explanation as well accuracy interpretation of qualitative data	5
7	Students present research results and discussion	Guidance and evaluation: Presentation of research results and discussion	Lectures, questions and answers, and discussions	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Technical discussion presents research results and discussion	Student activity	10
	UTS	**Can be done in accordance with the agreement with the supervisor including Report Writing**		**220 minutes (0.375 ECTS)** **Consist of:** • ***Supervisor/Co.Supervisor discussion = 2x 50 minutes*** • ***laboratory/studio =***	**Completeness** **Documents and data supporting research evaluation**		10

				2 hours/day (16 weeks)			
9	Students prepare research reports	Research evaluation: Research Result Seminar (SHP)	Presentation, question and answer, and discussion	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Discussion of research results	Research results to be written in research reports	10
10	Students prepare research reports	Research evaluation: Research Result Seminar (SHP)	Presentation, question and answer, and discussion	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Discussion of research results	Research results to be written in research reports	10
11	Students prepare research reports	Research evaluation: Research Result Seminar (SHP)	Presentation, question and answer, and discussion	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Discussion of research results	Research results to be written in research reports	10
12	Students master plagiarism checking software	Use of software for plagiarism checking	Lectures, Q&A and Discussion	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion =*	Student activities	Research proposal approved by supervisor	10

				2x 50 minutes • *Laboratory/studio =* *2 hours/day (16 weeks)*			
13	Students write a thesis report	Thesis Report Writing	Q&A and discussion	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Activities in discussion	Eligibility of research proposal exam	10
14	Students conduct guidance and evaluation of report writing	Guidance and evaluation of thesis report writing	Presentation, discussion, and Q&A	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Presentation and discussion	Pass the proposal exam	10
15	Students carry out the revision and finalization of the thesis report	Revision and finalization of the thesis report	Q&A and discussion	220 minutes (0.375 ECTS) Consist of: • *Supervisor/Co.Supervisor discussion = 2x 50 minutes* • *Laboratory/studio =* *2 hours/day (16 weeks)*	Student activities in revising and finalizing proposals	Revised proposal	10
16	**UAS**	**Can be done in accordance with the agreement with the supervisor**		**220 minutes (0.375 ECTS)**	**Completeness**		10

		including Report Writing and Thesis Examination Preparation	**Consist of:** • ***Supervisor/Co.Supervisor discussion = 2x 50 minutes*** • ***laboratory/studio = 2 hours/day (16 weeks)***	**Documents and data supporting research evaluation**	
8.Reference List:		• Sugiyono. 2018. Evaluation Research Methods (Qualitative, Quantitative and Combination Approaches). Bandung : Alfabeta. • Kornuta Halyna, Germaine Ron.2019. Quick Guide to Writing a Thesis or Dissertation. Routledge Educational Research and Beyond • Evans David, Gruba Paul, Zobel Justin. 2014. How to Write a Better Thesis (Third Edition). Jumper • Khoiyangbam, RS, and N Gupta. 2012. Introduction to Environmental Science. New Delhi: TERI • Bojie Fu, Yanxu Liu, Yan Li, Cong Wang, Changjia Li, Wei Jiang, Ting Hua, Wenwu Zhao, 2021, Research priorities for Resources and Environmental Science, Geography and Sustainability, Volume 2, Issue 2, Pages 87-94, https://doi.org/10.1016/j.geosus.2021.04.001. • Nikolai Attard, 2018, WASP (Write Scientific Paper): Writing an academic research proposal, Early Human Development, Volume 123, Pages 39-41, https://doi.org/10.1016/j.earlhumdev.2018.04.011. •Sarah Cuschieri, Victor Grech, Charles Savona-Ventura, 2018, WASP (Writing Scientific Papers): How to write a scientific thesis, Early Human Development, Volume 127, Pages 101-105, https://doi.org/10.1016/j.earlhumdev.2018.07.012.		