SEMESTER STUDY PLAN

Study program: Master of Environmental Science			**Faculty: Graduate School**				
Subject:	**Research Proposal 1**	**Code:** P-CIL-8-131		**Credit:3** **(6 ECTS)**		**Sem:1**	
Supporting lecturer:	**Supervisor** **Co-supervisor**						
Learning Outcomes Subject:	The general learning objective of this course is that students are able to compile or design (C6) a research proposal in one of the research fields (abiotic, biotic, culture) which will be 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 prepare (C6) a research proposal on one of the components A (Abiotok) , or B (Biotics) , or C (Culture) in the development of environmental science and or solving environmental problems.						
Short Description of Courses:	This course discusses the preparation of research proposal 1 in the master of environmental science path by research. This research proposal 1 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 introduction to research proposals 1	Introduction to Research proposal: Explanation of the importance of the integration of components A (Abiotok), or B (Biotic), or C	Lectures, questions and answers, and discussions	160 minutes (0.375 ECTS) Consist of: • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio =*	Students know the lecture system	Activity	2.5

		(Culture) in the development of environmental science and or solving environmental problems.		*1 hour/day*			
2	Students understand the research theme	Brainstorming research themes: two-way discussion of research plans and areas of interest	Lectures, questions and answers, and discussions	160 minutes (0.375 ECTS) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Discussion of research themes/Thesis	Criteria: Student activity	2.5
3	Students get approval for conducting research	Approval of research/thesis implementation	Lectures, questions and answers, and discussions	160 minutes (0.375 ECTS) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Lectures and Discussions	Criteria: Student activity	2.5
4	Students have a research theme	Research theme sharing	discussion	160 minutes (0.375 ECTS) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Discussion and sharing of research themes	Student presentations and activities	2.5

5	Students have a research theme/title	Approval of research theme/title	Discussion and Q&A	160 minutes (0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Discussion and approval of research theme/title	Student activity	5
6	Students develop the background, formulation, objectives and research design framework	Delivery Background, Formulation of objectives, research design framework	Lectures, questions and answers, and discussions	160 minutes (0.375 ECTS) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Lectures, questions and answers, discussions	Completeness and the truth explanation as well accuracy understanding of research background	5
7	Students are able to compile literature in a thesis research proposal	Submission of proposals: Discussion literature review	Lectures, questions and answers, and discussions	160 minutes n(0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	a. Students listen to the lecturer's explanation and actively search for Thesis literature b. Discussion of literature search results	Student activity	10
	UTS	**Can be done according to an agreement with the Advisory Lecturer including UTS is the preparation of a Proposal Seminar**		**160 minutes (0.375)**	**Completeness Documents, supporting data for research proposals and timeliness**		10
9	Students determine research methods	Submission of proposals: Agreement on Research Methods	Lectures, questions and answers, and discussions	160 minutes (0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st*	Discussion of research methods	Agreed research method	10

				udio = 1 hour/day			
10	Students understand sampling and data analysis techniques	Submission of proposals: Statistical rules and sampling in qualitative and quantitative research and data analysis	Lectures, questions and answers and discussions	160 minutes (0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Discussion of sampling techniques and data analysis	Agreed sampling technique and data analysis	10
11	Students are able to complete proposals according to the format	Submission of proposals: Completeness/Fo rmat of the proposal report	Lectures, questions and answers, and discussions	160 minutes (0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Complete the proposal according to the format	Complete proposal according to the format	10
12	Students get proposal approval	Submission of proposals: Approval of the proposal by the supervisor	discussion	160 minutes (0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Student activity in discussion	Research proposal approved by supervisor	10
13	Students are eligible to take the proposal exam	Proposal testing: Eligibility of the research proposal examination trial	Q&A and discussion	160 minutes (0.375) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio =*	Activities in discussion	Eligibility of research proposal exam	10

				1 hour/day			
14	students take a proposal exam	Proposal testing: Implementation of the proposal exam	Presentation, discussion, and Q&A	160 minutes (0.375 ECTS) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Presentation and discussion	Pass the proposal exam	10
15	Students carry out revisions and finalization of research proposals	Revision and finalization of research proposals	Q&A and discussion	160 minutes (0.375 ECTS) • *Discussion Supervisor/Co .Supervisor = 2x 50 minutes* • *laboratory/st udio = 1 hour/day*	Student activities in revising and finalizing proposals	Revised proposal	10
16	**UAS**	**Can be done according to the agreement with the Advisory Lecturer including UAS is the implementation of the Proposal Seminar**		**160 minutes (0.375)**	**Completeness Documents, supporting data for research proposals and timeliness**		**10**
8.Reference List:		• YK Sing, Environmental Science, 2006, New Age International Publisher. Access fromhttps://www.hzu.edu.in/bed/E%20V%20S.pdf • Khoiyangbam, RS, and N Gupta. 2012. Introduction to Environmental Sciences. New Delhi: TERI • Bojie Fu, Yanxu Liu, Yan Li, Cong Wang, Changjia Li, Wei Jiang, Ting Hua, Wenwu Zhao, 2021, The research priorities of Resources and Environmental Sciences, 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 a 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 (Write a Scientific Paper): How to write a scientific thesis, Early Human Development, Volume 127, Pages 101-105,https://doi.org/10.1016/j.earlhumdev.2018.07.012.					