SEMESTER STUDY PLAN Study program: Master of Environmental Science **Faculty: Graduate School** Subject: **Thesis** Credit:6 Code: Sem:4 P-CIL-8-401 (30 ECTS) **Supporting lecturer:** Supervisor Co-supervisor **Learning Outcomes** Able to produce scientific works that are published, original, and have implications for the advancement of Subject: environmental science in accordance with the expertise of students and supervisors. **Short Description of Courses:** This course is the final course that students must take to get a Masters in Environmental Science. 2 7 1 3 6 **Evaluation** Final Ability of each Study Materials/ **Student Learning** Learning Week Time Criteria & Weight learning stage methods Subjects Experience (%) **Indicators** Understand the basic **Fundamental concepts** Discussion and 640 minutes The activeness and Discussion and Q&A concepts of thesis writing regarding the (1,875 ECTS) accuracy of the Q&A

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		Thesis	- Carried Street	Discussion		thesis draft.	
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2	Understand the standards,	Understand the	Discussion and	640 minutes	Discussion and Q&A	The activeness and	5
	manuals, and guidelines	standards, manuals,	Q&A	(1,875 ECTS)	" 25 /	accuracy of the	
	for the implementation of	and guidelines for the	3 1//	Discussion	J (~)	preparation of the	
	theses	implementation of		Supervisor/Co.		thesis draft.	
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3	Able to analyze research	Analysis of research	Discussion and	640 minutes	Discussion and Q&A	The activeness and	10
	problems and topics	problems and topics	Q&A	(1,875 ECTS)	//	accuracy of the	
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4	Able to find and explain research gaps	Guidance and evaluation related to specific topics that have narrowed the research gap	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co. Supervisor = 2x 50 minutes • laboratory/stu dio = 4 hours/day • Conference/Se minar (Self Work) = 5 hours/day (16 weeks)	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	5
5	Able to express original research ideas and give appreciation to intellectual property	Originality of writing and respect for intellectual property	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co. Supervisor = 2x 50 minutes • laboratory/stu dio = 4 hours/day • Conference/Se minar (Self Work) = 5 hours/day (16 weeks)	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	10
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6	Able to explain originality	Guidance and	Discussion and	640 minutes	Discussion and Q&A	The activeness and	5
	and research position	evaluation related to	Q&A	(1,875 ECTS)		accuracy of the	
		research originality		Discussion		preparation of the	
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7	Able to explain data	Techniques for	Discussion and	640 minutes	Discussion and Q&A	The activeness and	5
	collection methods and	carrying out field data	Q&A	(1,875 ECTS)	. 01	accuracy of the	
	their justification	collection		 Discussion 		preparation of the	
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8	UTS	Can be done in accorda	nce with the	640 minutes	Complete the revisio	n results during	5
		agreement with the sup	ervisor, including	Equivalent to	thesis assistance with	1	
		UTS is the implementati	on of Thesis	1,875 ECTS	Supervisor/Co.Super	visor	
		Report Writing	BAAR	a BIG	_//_		
9	Conducting guidance and	Guidance and	Discussion and	640 minutes	Discussion and Q&A	The activeness and	5
	research progress	evaluation of the latest	Q&A	(1,875 ECTS)		accuracy of the	
				• Discussion			

		developments in field data collection		Supervisor/Co. Supervisor = 2x 50 minutes Iaboratory/stu dio = 4 hours/day Conference/Se minar (Self Work) = 5 hours/day (16 weeks)		preparation of the thesis draft.	
10	Able to explain data processing techniques and justification for selecting data processing software	Data processing techniques with software	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co. Supervisor = 2x 50 minutes • laboratory/stu dio = 4 hours/day • Conference/Se minar (Self Work) = 5 hours/day (16 weeks)	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	5
11	Conducting guidance and research progress	Guidance and evaluation of the development of data processing with software	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co. Supervisor = 2x 50 minutes • laboratory/stu dio = 4 hours/day • Conference/Se minar (Self	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	5

				Work) = 5 hours/day (16 weeks)			
12	Able to explain the results of data analysis and interpretation	Data statistics and interpretation	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co. Supervisor = 2x 50 minutes • laboratory/stu dio = 4 hours/day • Conference/Se minar (Self Work) = 5 hours/day (16 weeks)	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	5
13	Conducting guidance and research progress	Guidance and evaluation related to statistical data results and interpretation	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co. Supervisor = 2x 50 minutes • laboratory/stu dio = 4 hours/day • Conference/Se minar (Self Work) = 5 hours/day (16 weeks)	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	5
14	Able to compile a thesis report	Writing a thesis report	Discussion and Q&A	640 minutes (1,875 ECTS) • Discussion Supervisor/Co.	Discussion and Q&A	The activeness and accuracy of the preparation of the thesis draft.	10

		Evans David, Gruba F	Paul, Zobel Justin.	2014. How to Write	a Better Thesis (Third	Edition). Jumper	
	Circo List.	Research and Beyond	d			-	.c.o.iai
Refer	ence List:	Kornuta Halyna, Gerr	maine Ron 2019	Quick Guide to Writi	ng a Thesis or Disserta	tion Routledge Educa	 ntional
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,	report to be tested		Q&A	(1,875 ECTS)	Discussion and QQA	accuracy of the	
5	Able to compile a thesis	Writing a thesis report	Discussion and	640 minutes	Discussion and Q&A	The activeness and	5
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- 4. 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.
- 5. 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.

