

Valid from 2024.HS

Module description: Master Thesis	
Module Code	w.MA.XX.MTCEM.23HS
ECTS Credits	15
Language of Instruction/Examination	English
Module Description	By completing a Master's thesis, students prove that they are capable of dealing on their own with a demanding subject-related problem within a given time frame and in a manner that is scientifically founded, appropriate, and solution-oriented. Students are encouraged to submit their own topic or can select a given problem. Students carry out an in-depth analysis of the situation and, on the basis of this analysis, they derive recommendations for the procedure to be followed in order to solve the problem. Students use the knowledge or skills gained through their studies effectively and efficiently and acquire additional specialized knowledge.
Organizational Unit	CCR Ltg.
Module Coordinator	Christian Vögtlin
Deputy Module Coordinator	Rolf Krebs
Program and Specialization	<ul style="list-style-type: none"> • Circular Economy Management
Legal Framework	Academic Regulations MSc in Circular Economy Management dated 02.06.2022, Appendix to the Academic Regulations for the degree program in Circular Economy Management, first adopted on 23.09.2022
Module Category	Module Type Compulsory
Prerequisite Knowledge	Prerequisites for this module are the methodological and professional skills students have acquired so far while completing the MSc in Circular Economy Management program. The relevance of each module varies depending on the topic of the Master's thesis. Statistical knowledge, the processing and research of scientific literature, and a structured approach are essential. In addition, the Master's thesis builds on the specialist knowledge acquired in the other modules of this Master's program.
Contribution to Program Learning Objectives (by the concerned Module)	<ul style="list-style-type: none"> • Professional Competence • Methodological Competence • Social Competence • Self-Competence
Contribution to Program Learning Objectives	<p>Professional Competence</p> <ul style="list-style-type: none"> • Knowing and Understanding Content of Theoretical and Practical Relevance • Apply, Analyze, and Synthesize Content of Theoretical and Practical Relevance • Evaluate Content of Theoretical and Practical Relevance <p>Methodological Competence</p> <ul style="list-style-type: none"> • Problem-Solving & Critical Thinking • Scientific Methodology • Work Methods, Techniques, and Procedures • Information Literacy • Creativity & Innovation <p>Social Competence</p> <ul style="list-style-type: none"> • Written Communication • Oral Communication • Teamwork & Conflict Management • Intercultural Insight & Ability to Change Perspective <p>Self-Competence</p> <ul style="list-style-type: none"> • Self-Management & Self-Reflection • Ethical & Social Responsibility • Learning & Change

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Module Learning Objectives	<p>Students...</p> <ul style="list-style-type: none"> analyze a complex problem with a theoretical and a practical dimension, provide explanations and/or suggest possible solutions, and, if necessary, develop solutions. reflect on their own approaches and those of others in a differentiated and critical manner, demonstrate their ability to consider different perspectives, and develop their own position based on compelling reasoning. produce and meet the requirements of writing a scientific paper. They place the issue in an overall context, describe the current state of relevant scientific knowledge, and apply one or more scientific methods suitable for addressing the issue. apply the knowledge relevant to the study program (frameworks, instruments, concepts, models) in the context of the problem situation. relate their findings to their practical application, evaluate solutions to problems on the basis of scientific criteria and derive well-founded recommendations for action. present their thesis and defend their arguments. represent an independent point of view. 																																						
Module Content	<ul style="list-style-type: none"> Scientifically well-founded familiarization with a topic of the specialization of the study program Composing a thesis proposal for the selected topic Systematic development of a problem analysis based on the knowledge structures taught in the study program Documentation of the procedure within the framework of the problem-solving process Development and evaluation of solution approaches Application of the methods for the preparation of a scientific thesis (information gathering, information analysis and evaluation, scientific methodologies, qualitative and quantitative research etc.) Writing an independent scientific paper on a topic related to the circular economy Defending the thesis 																																						
Links to other modules	This module is linked to the following modules:																																						
Digital Learning Resources	<ul style="list-style-type: none"> None 																																						
Methods of Instruction	<ul style="list-style-type: none"> Project Work Literature Review Explorative Learning 		Social Settings Used: <ul style="list-style-type: none"> Individual Work 																																				
Type of Instruction	<table border="1"> <thead> <tr> <th></th> <th>Classroom Instruction</th> <th>Guided Self-Study</th> <th colspan="2">Autonomous Self-Study</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td>-</td> <td>-</td> <td colspan="2"></td> </tr> <tr> <td>Excercise</td> <td>-</td> <td>-</td> <td colspan="2"></td> </tr> <tr> <td>Project Work</td> <td>-</td> <td>-</td> <td colspan="2"></td> </tr> <tr> <td>Seminar</td> <td>-</td> <td>-</td> <td colspan="2"></td> </tr> <tr> <td>Total</td> <td>0 h</td> <td>0 h</td> <td colspan="2">450 h</td> </tr> </tbody> </table>					Classroom Instruction	Guided Self-Study	Autonomous Self-Study		Lecture	-	-			Excercise	-	-			Project Work	-	-			Seminar	-	-			Total	0 h	0 h	450 h						
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Recommended Reading																																							

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Comments	