

Valid from 2025.FS

Valid from 2025.FS Module description	on: Transformation Processes					
Module Code	w.MA.XX.TRAP.23HS					
ECTS Credits	3					
Language of Instruction/Examination	English					
Module Description	The implementation of the circular economy is a long-term transformation process in which technologies, materials, processes and value chains, business models, regulations and standards, practices, and behaviors are newly combined into a system innovation and, therefore, reconfiguring existing economic sectors. In this module, concepts and methods for the analysis of this complex system innovation as well as approaches for the management of transformations are taught.					
Organizational Unit	Zurich CTR f Sustainability Leadership					
Module Coordinator	Jörg Musiolik					
Deputy Module Coordinator	Paola Andrea Yanguas Parra					
Program and Specialization	Circular Economy Management					
Legal Framework	Academic Regulations MSc in Circular Economy Management dated 02.06.2022, Appendito the Academic Regulations for the degree program in Circular Economy Management, first adopted on 23.09.2022					
Module Category	Module Type Compulsory					
Prerequisite Knowledge	Students have basic knowledge of circular economy methods and definitions, technologies, and innovations in the circular economy and governance and policies.					
Contribution to Program Learning Objectives (by the concerned Module)	 Professional Competence Methodological Competence Social Competence Self-Competence 					
Contribution to Program Learning Objectives	Professional Competence 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 Methodological Competence Problem-Solving & Critical Thinking Scientific Methodology Work Methods, Techniques, and Procedures Information Literacy Creativity & Innovation Social Competence Written Communication Oral Communication Teamwork & Conflict Management Intercultural Insight & Ability to Change Perspective Self-Competence Self-Management & Self-Reflection Ethical & Social Responsibility Learning & Change					
Module Learning Objectives	Students understand the characteristics of long-term sustainability transitions. can apply theories and methods for analyzing the transformation of selected sectors or industries. understand the methodology surrounding the management of transitions, derivation of policies, and measures for transition management.					

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Module Content	 The circular economy as a system innovation. The concept of scio-technical systems, regimes, inertia, and lock-in. Niche developments, radical innovation processes, and their interaction in the circular economy. Innovation system analysis as a tool to trace transitions. The concept of transition paths and methodology of variation analysis. The governance and policies of circular economy transition. 									
Links to other modules	This module is linked to the following modules: • w.MA.XX.DPG.23HS • w.MA.XX.BMCE.23HS									
Digital Learning Resources	Teaching Materials Multiple Choice Tests									
Methods of Instruction	ExercisesLectureProject WorkCase Studies				Social Settings Used: Group Work Individual Work Pair Work					
Type of Instruction		Classroom Instruction (Gu	Guided Self-Study		Autonomous Self-Study			
	Lecture 10 h		20	20 h						
	Excercise	10 h			-					
	Project Work	5 h			45 h					
	Seminar	-		-	-					
	Total	tal 25 h 65 h				65 h 0 h				
Performance Assessment	End-of-module exam		F	orm	Length (min.)		Weighting			
	Permitted Resources									
	Others		Assessment	F	ormat	Lei	ngth (min.)	Weighting		
	Written Assign	nment	Grade	G	Gruppenarbeit	0		70.00		
	Written Assignment		Grade	Einzelarbeit		0		30.00		
Classroom Attendance Requirement	90%									
Compulsory Reading										
Recommended Reading										
Comments										