

Valid for 2023.HS

Module Name: Supply Chains – Value Chains	
Module Code	w.MA.XX.SCVV.23HS
Module Description	In today's complex and uncertain environment, every organization wants its extended value chain to be more sustainable from an economic, environmental, and social perspective. The circular economy is seen as a practicable strategy to improve supply chain resiliency, resource efficiency, process design, cost saving, and competitiveness. This module begins with the basics of the supply chain and how it has evolved to the present day. It then covers the configuration of a circular supply chain by examining its characteristic drivers and barriers and highlights how it is involved in value creation, delivery, and maintenance. Special consideration is given to the key functions, processes, and enablers in setting up a circular supply chain. Finally, the module looks at the implementation of a circular supply chain and its interaction with business model innovation.
Program and Specialization	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
ECTS	3
Organizational Unit	W International Management Institute
Module Coordinator	Marc Schmid (shmd)
Deputy Module Coordinator	Maike Scherrer (scek)
Prerequisite Knowledge	Global supply chain management. Organizational and operational management. Fundamentals in international business.
Contribution to Program Learning Goals (Affected by 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 current supply chains, their economic justification, and their environmental and material impact. § can identify drivers and barriers in the implementation of a circular supply chain. § can explain the role of key functions and processes in the operationalization of value retention options. § can explain the role of key enablers required for closing the loops. § can identify the changes required in a supply chain to support circular business models. § can evaluate how an organisation can transform circular economy principles into a supply chain strategy.

Module Content	§ Fundamentals of a supply chain. From distribution logistics to circular supply chain management. § Fundamentals of a supply chain. The business dimension of a supply chain. § Fundamentals of a supply chain. The technical dimension of a supply chain. § Configuration of a circular supply chain. New value and supply chains in a circular economy. § Configuration of a circular supply chain. Circular supply chain operations: upstream. § Configuration of a circular supply chain. Circular supply chain operations: midstream. § Configuration of a circular supply chain. Circular supply chain operations: downstream. § Circular supply chain enablers. Digital technologies. § Circular supply chain enablers. Performance measures. § Circular supply chain enablers. Collaboration. § Implementation of a circular supply chain. Business model and supply chain: Remanufacturing. § Implementation of a circular supply chain. Business model and supply chain: Product-service systems. § Implementation of a circular supply chain. Case study: Presentation 1. § Implementation of a circular supply chain. Case study: Presentation 2.																						
Links to other modules	-																						
Methods of Instruction	§ Lecture § Interactive Instruction § Case Studies § Problem-Oriented Teaching § Explorative Learning	Social Settings Used: § Individual Work § Group Work																					
Digital Resources	§ Teaching Videos § Teaching Materials § Practice and Application Exercises (with Key) § Case Studies (with Key)																						
Type of Instruction	Classroom Instruction	Guided Self-Study	Autonomous Self-Study																				
Lecture	24 h	24 h																					
Excercise	-	-																					
Project Work	4 h	22 h																					
Seminar	-	-																					
Total	28 h	46 h	16 h																				
Performance Assessment	<table border="1"> <thead> <tr> <th>End-of-module exam</th> <th>Form</th> <th>Length (min.)</th> <th>Weighting</th> </tr> </thead> <tbody> <tr> <td>Written exam</td> <td>Closed book</td> <td>60</td> <td>70,00 %</td> </tr> <tr> <td>Permitted Resources</td> <td>No calculator</td> <td colspan="2">With dictionary</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Others</th> <th>Assessment</th> <th>Length (min.)</th> <th>Weighting</th> </tr> </thead> <tbody> <tr> <td>Talk/oral presentation</td> <td>Grade</td> <td>20</td> <td>30,00 %</td> </tr> </tbody> </table> <p>Students are not allowed to revise and resubmit performance assessment tasks.</p>			End-of-module exam	Form	Length (min.)	Weighting	Written exam	Closed book	60	70,00 %	Permitted Resources	No calculator	With dictionary		Others	Assessment	Length (min.)	Weighting	Talk/oral presentation	Grade	20	30,00 %
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Others	Assessment	Length (min.)	Weighting																				
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Classroom Attendance Requirement	Mandatory Attendance: 80% This module has an 80% attendance requirement (due to the didactic concept chosen). Unexcused absences will lead to students failing the module.																						
Language of Instruction/Examination	English																						
Compulsory Reading	-																						
Recommended Reading	§ Christopher, M. (2023). Logistics & supply chain management. 6th Edition. Harlow: Pearson. ISBN 9781292416182. § Cohen, S. & Roussel, J. (2013). Strategic Supply Chain Management: The Five Disciplines for Top Performance, 2nd Edition. New York: McGraw-Hill. ISBN 9780071813082. § Weenk, E. (2019). Mastering the Supply Chain: Principles, Practice and Real-Life Applications. London: Kogan Page. ISBN 9780749484484. § Weetman, C. (2020). A Circular Economy Handbook: How to Build a More Resilient, Competitive and Sustainable Business 2nd Edition. London: Kogan Page. ISBN 9781789665314.																						
Comments	-																						