

Subject card

Subject name and code	Circular Economy, PG_00152990						
Field of study	International Business						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group				
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		English English		
Semester of study	3		ECTS credits		5.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Marcin Wolek				
	Teachers		dr hab. Marcin Wolek				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		0.0		0.0	30
Subject objectives	Familiarizing participants with the concept, theoretical foundations, goals, and principles of the circular economy, supported by practical examples from selected sectors (including at the city level, in waste management, urban mobility, and the automotive industry).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IBMU2_W08] knows selected areas of the functioning of a modern enterprise in the international environment; understands the conditions, principles and consequences of decisions taken in modern enterprise's structures dealing on the international market	The student knows selected areas of the functioning of the circular economy for a modern enterprise in the international environment; they understand the conditions, principles, and consequences of decisions made in the field of the circular economy for the structures of modern enterprises operating in the international market.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[IBMU2_W06] has knowledge of the world economy, economic ties and the regularities governing them, principles of global market functioning and international economic and financial relations as well as the process of their evolution; understands the causes, regularities and consequences of occurring changes;	The student has knowledge of the role of the circular economy in the global economy, economic interconnections and the principles governing them, the functioning of global markets and international economic and financial relations, as well as the process of their evolution; they understand the causes, patterns, and consequences of changes occurring in the sphere of the circular economy.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[IBMU2_U01] can creatively interpret, explain and analyse complex economic phenomena and the relations occurring between them, using the acquired knowledge in international business and international economic and financial relations	The student is able to creatively interpret, explain, and analyze complex economic phenomena in the sphere of the circular economy and the relationships between them, using the acquired knowledge in the fields of international business as well as international economic and financial relations.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[IBMU2_U09] can independently plan and implement lifelong learning; complement and improve the acquired knowledge and skills; is open to new ideas and techniques; can inspire and organise the learning process for others	The student is able to independently plan and carry out lifelong learning; to supplement and improve the acquired knowledge and skills in relation to the circular economy; is open to new ideas and techniques; and can inspire and organize the learning process of others in the field of the circular economy.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[IBMU2_K02] is ready to critically assess the level of acquired knowledge, skills and professional competence in the area of international business	The student is ready to critically assess the level of acquired knowledge, skills, and professional competencies in the field of the circular economy.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
	[IBMU2_K01] Is ready to recognise the importance of knowledge of international business in the process of identifying and solving business problems and the need to consult experts in cases of complex issues	The student is ready to recognize the importance of knowledge of the circular economy in the process of identifying and solving business problems, as well as the need to consult experts in the case of complex issues.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report

1. Introduction to the Circular Economy

- Concept of sustainable development
- Renewable and non-renewable resources and environmental economics
- UN Sustainable Development Goals (SDGs)

2. What is the Circular Economy?

- Why the circular economy? (inefficiencies of traditional business models)
- Evolution of the circular economy concept
- Limitations of the circular economy

3. Circular Economy as an Element of Corporate Social Responsibility (CSR)

- Economic, social, and environmental potential of the circular economy
- Circular economy as part of non-financial reporting
- Implementing the circular economy in an enterprise

4. Levels of Implementing the Circular Economy (macro, meso, micro)

- Circular economy at the macroeconomic level [EU Circular Economy Action Plan, comparison of country profiles exercise]
- Circular economy at the mesoeconomic level (region and metropolitan area)
- Circular economy at the microeconomic level (enterprise and organization)

5. Impact of the Circular Economy on Business Models

- What is a business model
- Green business models
- Circular economy in business models

6. Measuring the Impact of the Circular Economy

- Loops (technical loops, biomass-based loops)
- Carbon footprint
- RESOLVE framework
- Introduction to life cycle assessment (LCA)

	• Environmental impact assessment • Establishing standard indicators for monitoring and evaluating the circular economy
	7. Circular Supply Chains • Introduction to Closed-Loop Supply Chain Management (CLSCM) • CLSCM in enterprises and among logistics operators • Case studies of CLSCM in various sectors (e.g., pharmaceutical, food, FMCG)
	8. Circular Economy and Processes in Organizations • Introduction to Business Process Management (BPM) • Mapping and measuring business processes • KPI indicators for the circular economy in business process management
	9. Managing the Circular Economy in the Urban Context • Introduction to urban resource management • Case studies of the circular economy in water management (e.g., sponge city) and other areas of resource management (e.g., green city, resilient city) • Circular economy in the strategic context of selected cities
	10. Circular Economy in the Transport Sector Using the Circularity Compass • Circular economy in infrastructure management case studies based on the CE4CE project • Circular economy in fleet management case studies based on the CE4CE project • Circular economy in the field of energy, fuels, and similar resources case studies based on the CE4CE project
	11. Circular Economy in Practice: Study Visit to the GAIT Tram Depot • (Municipal public transport operator in Gdańsk) equivalent to 4 lecture hours
	12. Circular Economy in the Automotive Sector • CLSCM in the automotive industry • Recycling in the automotive sector case studies based on the CE4CE project • Reverse logistics and CLSCM models in various capital groups in the automotive sector case studies

	Questions or doubts regarding the discussed topics can be addressed with the lecturer during consultations.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Attendance rate	75.0%	25.0%
	The project's presentation	65.0%	75.0%
Recommended reading	Basic literature	C. Weetman: A Circular Economy Handbook for Business and Supply Chains. Kogan Page 2017 H. Lehmann and others: The Impossibilities of the Circular Economy: Separating Aspirations From Reality. Routledge. 2023 The Circularity Gap Report 2024. Circle Foundation 2024. World Economic Forum publications on the Circular Economy	
	Supplementary literature	Other data sets and websites, including https://www.circularcityfundingguide.eu/	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The phenomenon of greenwashing in the selected industry Circular economy in a chosen country. Environmental Impact Assessment in the circular economy Circular business models Is my city circular? An evaluation of the circularity level of a selected city. Circularity assessment of the selected company. Carbon footprint in the evaluation of circularity. Life Cycle Assessment in the evaluation of circularity. Circularity at a household level.		
Work placement	Not applicable		

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