

Course title		Sustainability in Supply Chains: Navigating the ESG Landscape										ECTS code		14.3.EE.FZ.3705				
												ECTS credits		5				
												max. students		30				
Name of unit administrating study				KPT		Field of study		Economics/MSG**		Field of specialisation			NONE;					
Teaching staff			Dorota Książkiewicz, Ph.D.															
Number of hours																		
Lectures		0	Classes		0	Tutorials		30		Laboratory		0	Seminars		0	Language classes		0
Forma aktywności										Year&Type of studies*			2 SS2, 1 SS2,					
Hours with the participation of the academic teacher (including office hours, exams, others):										Semester:			3, 1,					
Hours without the participation of the academic teacher (student's self-study, homeworks):										Type of course:			optional					
Total number of hours:								0		Language of instruction:			English					
Teaching form			in-class learning															
Teaching methods			Lectures including multimodal presentations, Case studies,															
Prerequisites (required courses and introductory requirements)																		
Required courses			-															
Introductory requirements			Basic logistics and supply chain management knowledge.															
Assessment method, forms and criteria																		
Assessment method			Course completion (graded)															
Assessment criteria			Students prepare and present a case study of ESG strategy implementation in international environment.															
Course objectives																		
The aim of the course is to provide students with a comprehensive understanding of the concept of sustainability in supply chains and the various ESG (Environmental, Social and Governance) issues that are relevant to the logistics industry.The course is designed to help students navigate the complex landscape of ESG and provide them with the knowledge and tools they need to adress sustainability challenges and opportunities in supply chains. Overall, the course aims to equip students with the knowledge, skills and mindset needed to become effective leaders in the field of sustainable business.																		
Learning outcomes																		
Knowledge		MSG2_W03		Students understand the essence and importance of ESG strategies in contemporary international supply chains														
		MSG2_W04		Students understand the causes, course, scale and consequences of changes in business strategies resulting from the economic, social, and environmental benefits of sustainable practices														
		E2_W03		Students understand the essence and importance of ESG strategies in contemporary international supply chains														
		E2_W04		Students understand the causes, course, scale and consequences of changes in business strategies resulting from the economic, social, and environmental benefits of sustainable practices														
Verification of learning outcomes - Knowledge																		
Outcomes		written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project						
E2_W03								X	X									
E2_W04								X	X									

MSG2_W03							X	X			
MSG2_W04							X	X			
Skills	E2_U05	Students can apply the rules and standards of ESG to formulate competitive business strategy in international environment									
	E2_U09	Students understand the need to adapt business processes to the international market ESG standards, and are able to develop new ESG-compliant operation models									
	MSG2_U05	Students can apply the rules and standards of ESG to formulate competitive business strategy in international environment									
	MSG2_U09	Students understand the need to adapt business processes to the international market ESG standards, and are able to develop new ESG-compliant operation models									
Verification of learning outcomes - Skills											
Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E2_U05							X	X			
E2_U09							X	X			
MSG2_U05							X	X			
MSG2_U09							X	X			
Attitudes	E2_K04	Students are able to adapt to new situations and conditions related to the need of environment protection and can address business challenges of environmental, social and governance nature									
	E2_K05	Students are ready to initiate actions in the public interest, inspire and organise projects for the benefit of the environment and the international business community, in accordance with the idea of sustainable development and the resulting legal, economic, ecological, political and social requirements									
	MSG2_K04	Students are able to adapt to new situations and conditions related to the need of environment protection and can address business challenges of environmental, social and governance nature									
	MSG2_K05	is ready to initiate actions in the public interest, inspire and organise projects for the benefit of the environment and the international business community, in accordance with the idea of sustainable development and the resulting legal, economic, ecological, political and social requirements									
Verification of learning outcomes - Attitudes											
Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E2_K04							X	X			
E2_K05							X	X			
MSG2_K04							X	X			
MSG2_K05							X	X			
Course contents											
<div>1. Introduction to Sustainability in business and supply chains: Concepts and Principles</div> <div>2. Environmental Sustainability in supply chains: Best Practices and Case Studies</div> <div>3. Social Responsibility: Worker Welfare, Human Rights, and Community Engagement</div> <div>4. Governance and Compliance: Regulations, Policies, and Standards</div> <div>5. Sustainable Transportation in Logistics: Low-Emissions Vehicles and Alternative Fuels</div>											

6. Sustainable Warehousing in Logistics: Energy Efficiency and Renewable Energy
7. Circular economy: Minimizing Waste and Maximizing Value in the Supply Chain
8. Green Procurement: Sourcing Sustainable Materials and Products
9. Sustainable Packaging: Reducing Waste and Carbon Footprint
10. The Business Case for Sustainability in Logistics: Cost Savings, Risk Mitigation, and Reputation Enhancement

Recommended reading lists

a)

- Islam, M. A., & Gajpal, Y. (2021). Optimization of conventional and green vehicles composition under carbon emission cap. Sustainability, 13(12), 6940. The Future of Sustainable Logistics and Supply Chains," by S. Saha and S. Banerjee (International Journal of Logistics Systems and Management)
- "Sustainability in Logistics and Supply Chain Management: A Review of Recent Literature," by R. J. P. M. Raven et al. (Logistics Research)
- "Sustainable logistics and supply chain management: principles and practices for sustainable operations and management," by D. J. Cahill and S. E. Seitz (Routledge)

b)

- "Sustainable logistics: A literature review and research agenda," by S. Sarkis et al. (Transportation Research Part E: Logistics and Transportation Review)
- "Sustainable Logistics: Challenges and Solutions," by G. P. Cachon and M. J. Fisher (MSOM Perspectives)
- "Sustainability in Logistics and Transportation: A Systematic Review and Future Research Agenda," by N. W. T. B. Achanga et al. (International Journal of Physical Distribution & Logistics Management)
- "The Impact of Environmental Management Practices on Environmental Performance and Business Outcomes: An Empirical Study of Logistics Companies," by Y. Zhu et al. (Journal of Business Ethics)

Contact

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* SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies

** MSG - International Economic Relations