

Subject card

Subject name and code	ESG in logistics - classes, PG_00169982						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Rafał Śpiewak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		5.0		30.0	50
Subject objectives	Familiarizing students with the principles of sustainable development and ESG (Environmental, Social, Governance) standards in the context of logistics and supply chain management. Students will learn how to integrate environmental, social and corporate governance objectives with logistics processes and will learn to identify risks and opportunities related to the implementation of sustainable logistics strategies. The subject develops skills in assessing the impact of logistics activities on the environment and society, and also prepares for ESG reporting and cooperation with stakeholders within sustainable supply chains.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	The student is able to identify and analyse ethical, environmental and social dilemmas in logistics activities, evaluate alternative solutions in accordance with ESG principles and make decisions taking into account business responsibility and long-term effects on stakeholders.	[SK2] presentation/project/paper/report [SK3] text preparation/written work [SK8] observation of student's independent or team work
	[EKONL3_U12] can independently plan and implement own lifelong learning	The student is able to independently identify areas of development related to ESG in logistics and plan and implement their own learning based on current sources of knowledge, changing regulations and good practices in the field of sustainable supply chain management.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_U14] is able to set priorities and plan and organise the tasks involved in their implementation as well as monitor and evaluate progress accordingly	The student is able to determine priorities for logistics activities taking into account ESG principles, plan and organize the implementation of tasks in the area of sustainable supply chain management, and monitor and evaluate the effects of these activities in terms of their social, environmental and economic impact.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_W11] knows the general principles for the creation and development of forms of individual entrepreneurship, using knowledge of economics, finance and management sciences	The student knows and is able to apply the principles of creating and developing logistics projects taking into account ESG principles, using knowledge of economics, finance and management to design sustainable entrepreneurship solutions in the area of logistics.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[EKONL3_K06] is willing to be guided in his professional life by business ethics and corporate social responsibility, to respect others and to be loyal to his employer	The student is ready to apply in practice the principles of business ethics and social responsibility in logistics activities, respect the rights and values of other participants in the supply chain and demonstrate loyalty to the employer through responsible and transparent actions.	[SK2] presentation/project/paper/report [SK4] test/exam - oral or written [SK8] observation of student's independent or team work
	[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student knows the types of economic and social relationships occurring in supply chains and understands the mechanisms and principles governing them, with particular emphasis on aspects of sustainable development and social responsibility (ESG).	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[EKONL3_W05] has advanced knowledge of man as a subject who creates social structures and the principles of their functioning and of his action in these structures, knows well the motives of human economic decision-making	The student has advanced knowledge of the role of a human as a participant and creator of social structures in the context of logistics, understands the principles of functioning of these structures and the motives for making economic decisions, with particular emphasis on ethical aspects and social responsibility within ESG.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[EKONL3_U11] has language skills in economics which meet the requirements of level B2 of the Common European Framework of Reference for Languages	The student is able to communicate effectively in English at B2 level in the area of logistics and ESG, understand specialist economic texts, prepare reports, presentations and actively participate in industry discussions on sustainable development and social responsibility.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work

Subject contents	Introduction to ESG definitions, origins and importance of the concept in logistics. Sustainability and the supply chain connections and impact of ESG on logistics. Carbon footprint in transport methods of reducing CO emissions and route optimization. Eco-friendly logistics solutions electric vehicles, renewable energy, green warehouses. Circular economy (CE) packaging recovery, recycling, waste minimization. Social dimension of ESG working conditions, employment ethics, relations with local communities. Supply chain risk management compliance with standards, ethics and transparency of operations. Governance corporate governance regulatory compliance, anti-corruption, cybersecurity. ESG reporting indicators, reporting standards, communication with stakeholders. Benefits of implementing ESG competitive advantages, savings, better image. Challenges of implementing ESG in logistics financial, regulatory and technological barriers. The future of ESG in logistics new trends, technologies and EU requirements (CSRD, EU Taxonomy).								
	Any doubts regarding the issues discussed during classes can be discussed during consultations.								
Prerequisites and co-requisites	none								
Assessment methods and criteria	<table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>activity during classes - 20%, material problem solving on classes - 80%</td><td>51.0%</td><td>100.0%</td></tr></table>	Subject passing criteria	Passing threshold	Percentage of the final grade	activity during classes - 20%, material problem solving on classes - 80%	51.0%	100.0%		
Subject passing criteria	Passing threshold	Percentage of the final grade							
activity during classes - 20%, material problem solving on classes - 80%	51.0%	100.0%							
Recommended reading	Basic literature	D. B. Grant, A. Trautrim, C. Yew Wong (2017) Sustainable Logistics and Supply Chain Management, Kogan Page A. Arumugam (2024) Mastering ESG & Sustainability: Sustainable Business: A Comprehensive Guide to ESG and Corporate Responsibility, Independently published							
	Supplementary literature	Artur, B., & Le Viet-Błaszczuk, M. (2024). The role of social media marketing of ESG in warehouse logistics. <i>Zeszyty Naukowe Politechniki Śląskiej. Organizacja i Zarządzanie</i> , (198).							
	eResources addresses								
Example issues/ example questions/ tasks being completed	What is logistics doing to reduce its carbon footprint in line with ESG principles?								
Work placement	Not applicable								

Document generated electronically. Does not require a seal or signature.