

Subject card

Subject name and code	Eco-logistics, PG_00177429						
Field of study	Economics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2024/2025		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	part-time studies		Mode of delivery		e-learning		
Year of study	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		3.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Logistics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Rafał Śpiewak				
	Teachers		dr inż. Rafał Śpiewak				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	0.0	0.0	0.0	20
	E-learning hours included: 20.0						
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	20		0.0		0.0	20
Subject objectives	To introduce students to environmentalism, including its nature and role in the economy. To discuss the principles of waste management in companies, cities and regions. To provide information on the legal, social, environmental and economic conditions in the context of the implementation of environmentalism.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONMU2_W05] has an extended knowledge of the human being as a manufacturer and consumer and extended knowledge of the human being as a creator of culture and social structures	The student acquires a factual basis for making his/her own conclusions on the basis of observation and creating appropriate social attitudes.	[SW1] oral statement/ conversation/discussion
	[EKONMU2_K06] is ready to observe and develop in his/her professional life principles of business ethics and corporate social responsibility, respect others, be loyal to their employer, taking into account changing social needs.	The student is prepared to work in groups, respecting others and their opinions.	[SK5] implementation of a problem task
	[EKONMU2_U06] can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness	Students will be able to calculate the financial dimension of the environmental impact of specific forms of transport in line with the principles of environmentalism.	[SU6] demonstration of practical skills
	[EKONMU2_K01] recognises the importance of knowledge in the field of economics in the process of identifying and solving economic problems and of consulting experts when having difficulties in solving them independently	The student is able to look critically at his/her own range of knowledge and knows that in the case of more complex problems in ecology, expert knowledge should be consulted.	[SK6] demonstration of practical skills
	[EKONMU2_U03] can analyse causes and course of economic and social processes and phenomena, formulate his/her own opinions on the subject, construct research hypotheses, and select and apply methods of their verification	The student has the ability to comprehend the meaning and function of environmentalism in contemporary economics. He/she is able to perceive systemic, economic, legal and social aspects when solving tasks.	[SU1] oral statement/conversation/ discussion
	[EKONMU2_W03] has an in-depth knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning in the national, international and intercultural spheres	The student is able to identify and distinguish between legal regulations and obligations imposed by agreements/ regulations/international agreements in the field of green solutions in logistics.	[SW1] oral statement/ conversation/discussion
Subject contents	Eco-logistics from a theoretical perspective Design of a waste management logistics system Reverse logistics chain unit analysis Principles of eco-design Case studies of designing for recycling Design methods for recycling-oriented packaging and products Eco-balancing		
Prerequisites and co-requisites	Basic knowledge of logistics and ecology.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Presentation of the results of the group work	51.0%	30.0%
	Implementation of the problem task	51.0%	50.0%
	Active participation in classes	51.0%	20.0%
Recommended reading	Basic literature	Stępień M. i in., Role of ecologistics in the management system of energy waste, Sofia: Surveying Geology & Mining Ecology Management (SGEM) International Multidisciplinary Scientific GeoConference, 2017, vol.17, p. 205-211	
	Supplementary literature	Lis K., Pawęska M., Ecologistics - Good practices on the example of Poland, The International Maritime and Logistics Conference Marlog 12, 2023	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Make it possible to optimize the packaging production process throughout its life cycle from an ecological perspective.		
Work placement	Not applicable		

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