

**Subject card**

<b>Subject name and code</b>	Eco-logistics, PG_00151950						
<b>Field of study</b>	International Economic Relations						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2024/2025		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Optional subject group		
<b>Mode of study</b>	part-time studies	<b>Mode of delivery</b>			e-learning		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	1	<b>ECTS credits</b>			3.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Department of Logistics -> Faculty of Economics -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr inż. Rafał Śpiewak				
	<b>Teachers</b>		dr inż. Rafał Śpiewak				
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	20.0	0.0	0.0	0.0	0.0	20
	E-learning hours included: 20.0						
	eNauczanie source addresses: Moodle ID: 12191 Ekologistyka <a href="https://mdl.ug.edu.pl/course/view.php?id=12191">https://mdl.ug.edu.pl/course/view.php?id=12191</a>						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM		
	<b>Number of study hours</b>	20	0.0	0.0	20		
<b>Subject objectives</b>	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_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
	[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_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_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
	[MSGMU2_U07] can plan and manage a commercial transaction on the international market, conduct effective negotiations, analyse and critically assess the course of the transaction	The student is able to plan international transport taking into account the financial dimension of the environmental impact of specific decisions.	[SU6] demonstration of practical skills
	[MSGMU2_U09] can innovatively solve problems in the field of international economic relations and the functioning of economic entities on the international market, adapting existing or developing new methods and tools	The student is able to deal with the challenges of ecological science in a global perspective, using the latest solutions from leading research institutes or creating original solutions for the problem under consideration.	[SU6] demonstration of practical skills
	[MSGMU2_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; assesses risks and threats and finds ways of counteracting their effects	The student is able to make a decision from the perspective of the criteria imposed on him/her using data he/she has collected from the environment.	[SK5] implementation of a problem task
	[MSGMU2_K08] prepares responsibly for his/her work; is able to set priorities and to plan work appropriately considering changing social needs	The student is able to structure the creative process of solutions from the perspective of the priorities expected of him/her.	[SK5] implementation of a problem task
	[MSGMU2_W11] has a theoretically grounded, in-depth knowledge of the key issues of managing a business entity on the national and international market and of selected detailed issues of the international supply chain	The student is familiar with the basic concepts of environmentalism and their importance in different organisations (both at company and city level). He/she has a basic knowledge of environmental management systems (EMS) and their economic and ecological impact on different types of organisations.	[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

	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
	[MSGMU2_W03] knows and understands types of economic ties and the regularities governing them; understands the conditions and principles of the functioning of the market and the market mechanism in the national, international and global aspect	The student knows useful tools related to the ecological design of products and understands their importance from a life-cycle perspective.	[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%
	Active participation in classes	51.0%	20.0%
	Implementation of the problem task	51.0%	50.0%
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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