

Leading								
Item	Transport of animals, perishable goods and FMCG goods							
Module	W	ECTS points	5	Reference number of the study program	L/2024/SPS/S/P - L/2024/SPS/N/P			
Direction	Specialty			Academic year				
LOGISTICS	Transport safety			updated syllabus				
Term	VI		Year of study			III		
Form of studies	Stationary				Part-time			
Form of classes	Lecture	Exercises	Laboratories	Design	Lecture	Exercises	Laboratories	Design
Number of hours	20	20		20	12	15		15
TOGETHER	60				42			
Objective of the course	The aim of this course is to familiarize students with the principles of organizing and implementing the transport of animals, perishable goods, and FMCG products, taking into account legal, quality, and logistical requirements. The course develops the ability to understand the specifics of transporting sensitive goods and the basic principles of ensuring their safety and quality in the supply chain.							
Minimum knowledge required from the student before starting classes								
Students should possess basic knowledge of transport logistics and the organization of freight transport. Knowledge of the main modes of transport (road, rail, sea, air) and the general principles of supply chain operation is expected. A basic understanding of transport law and logistics procedures is also recommended.								
Recommended literature to study before starting classes								
N/A								
SUBJECT-SPECIFIC LEARNING OUTCOMES (SLE)					KEU	EVALUATION METHODS		
	CODE	FORM			CODE	CODE	FORM	
KNOWLEDGE	W01	The student will possess knowledge of key areas of logistics, including supply, production, and distribution logistics. They will understand the mechanisms underlying the operation of integrated logistics chains, particularly in the context of food supply chain management.			K1_W04_L_P	MO2	Written exam in the form of a closed, single-choice test	
	W02	The student has knowledge of the functioning of logistics and trade processes and the conditions for their implementation on the domestic and international market.			K1_W10_L_P			
SKILLS	U01	Students can analyze the transport requirements for sensitive goods and identify the conditions for transporting perishable products in the cold chain. They can recognize risks in the transport of animals and FMCG and analyze the documentation and regulations governing these processes.			K1_U03_L_P	MO13	Written test in the form of a multiple-choice closed test	
	U02	Students can assess the quality, safety, and efficiency of logistics processes in supply chains for sensitive products. They can conduct economic and qualitative analysis and assessment of selected transport and distribution processes.			K1_U06_L_P			
	U03	Students can design logistics processes for FMCG products and analyze the storage, picking, and shipping of sensitive goods. They utilize basic logistics tools and metrics and identify the potential of Logistics 4.0 and modern technologies in supply chains.			K1_U11_L_P	MO10	Passing the project	
SOCIAL COMPETENCES	K01	The student is ready to correctly identify and resolve dilemmas related to the transport of animals, perishable goods and FMCG products, while maintaining professionalism, legal regulations and principles of professional ethics in logistics and transport.			K1_K02_L_P	MO16	Assessment of students' work and cooperation during classes (observation)	

Subject content	Lecture	Animal transport – legal and organizational conditions, Transport of live animals – welfare and safety during transport, Transport of perishable goods – characteristics and requirements, Cold chain in the transport of food products, Temperature and transport conditions monitoring systems, Legal regulations regarding the transport of food and FMCG products, Organization of logistics of fast-moving consumer goods (FMCG), Risks and threats in the transport of sensitive products, Packaging and security in the transport of goods requiring condition control, Efficiency and sustainability in the transport of sensitive goods
	Exercises	Analysis of transport requirements for selected groups of sensitive goods, Development of conditions for the transport of perishable products in the cold chain, Identification of risks in the transport of animals and FMCG goods, Analysis of documentation and regulations regarding the transport of live animals and food, Design of a logistics process for a selected FMCG product, Assessment of the efficiency and quality of a selected supply chain for sensitive products
	Laboratories	
	Projects	Analysis and design of the organization of transport of animals, perishable goods and FMCG in cold chain conditions

Teaching methods	CODE	FORM
		MD2
	MD11	Didactic discussion
	MD16	Laboratory exercises - solving tasks and problems
Compulsory literature	1	Stranks J. 2016: Health and Safety at Work, Wydawnictwo Kogan Page Ltd, Londyn
	2	Zieger S. 2025: Logistics and Power: Supply Chains from Slavery to Space, Wydawnictwo University of California Press, Kalifornia
Additional literature	1	D'Acunto E. 2017: Flash on English for Transport and Logistics, Wydawnictwo ELI, Kraków

Conditions for passing the course	
Lecture (W) - test exam - 40% of the final grade; Exercises (C) - Written test in the form of a multiple-choice test; Project - 60% of the final grade.	