

International University of Logistics and Transport in Wrocław

Leading Item	Transport systems								
Module	O	ECTS points	3	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		IV		Year of study		II			
Form of studies		Stationary				Part-time			
Form of classes	Lecture	Exercises	Laboratories	Design	Lecture	Exercises	Laboratories	Design	
Number of hours	16	16			12	12			
TOGETHER	32				24				
Objective of the course	The aim of the TRANSPORT SYSTEMS course is to provide students with comprehensive knowledge about the functioning and importance of transport systems in the economy, taking into account the specificity of individual modes of transport (road, rail, air, sea, inland waterway, transmission and mixed transport).								
Minimum knowledge required from the student before starting classes									
Recommended literature to study before starting classes									
N/A									
SUBJECT-SPECIFIC LEARNING OUTCOMES (SLE)					KEU	EVALUATION METHODS			
	CODE	FORM			CODE	CODE	FORM		
KNOWLEDGE	W01	Possesses basic knowledge of the transport system, its structure and the importance of individual modes of transport.			K1_W02_L_P	MO2	Written exam in the form of a closed, single-choice test		
	W02	Has general knowledge of the functioning of transport on a national and international level and its role in logistics systems.			K1_W07_L_P	MO2	Written exam in the form of a closed, single-choice test		
	W03	Possesses basic knowledge of the implementation of transport processes and the conditions under which they occur in various modes of transport.			K1_W10_L_P	MO2	Written exam in the form of a closed, single-choice test		
SKILLS	U01	Is able to analyze transport processes in various modes of transport and identify factors influencing their course, efficiency and costs.			K1_U03_L_P	MO9	Written test in the form of practical tasks		
	U02	Is able to identify problems in transport systems, obtain data, analyse and evaluate transport processes, and propose solutions to improve their functioning.			K1_U07_L_P	MO9	Written test in the form of practical tasks		
	U03	Is able to analyze and evaluate transport processes and their organization, using basic methods and tools that support the optimization and improvement of transport.			K1_U11_L_P	MO9	Written test in the form of practical tasks		
SOCIAL COMPETENCES	K01	Is ready to properly define priorities in the analysis and evaluation of the functioning of transport systems and to carry out assigned tasks related to their organization and improvement.			K1_K01_L_P	MO15	Assessment of activity during classes		
Subject content	Lecture	Transport - essence and importance, Road transport, Rail transport, Air transport, Maritime transport, Inland waterway transport, Transmission transport, Mixed transport, Oversized transport, Transport of hazardous materials, European Green Deal and transport							
	Exercises	Analysis and interpretation of transport processes in various modes of transport, Identification of factors influencing transport efficiency and costs, Evaluation of selected transport organisation and fleet management strategies, Analysis of the economic aspects of planning and optimisation of transport processes, Review and comparison of models of transport system operation in practice, Development of proposals for improvements in the operation of transport processes.							
Teaching methods	CODE	FORM							
	MD2	Informative lecture using multimedia techniques							
	MD16	Exercises – solving tasks and problems							
	1	Christopher M. 2023: Logistics and Supply Chain Management, Wydawnictwo Financial Times Prent. Londyn							

Compulsory literature	2	D'Acunto E. 2017: Flash on English for Transport and Logistics, Wydawnictwo ELI, Kraków
	3	Zieger S. 2025: Logistics and Power: Supply Chains from Slavery to Space, Wydawnictwo University of California Press, Kalifornia

Conditions for passing the course

The course is graded as a whole (Exam) – with a single grade taking into account all coursework. The condition for admission to the lecture exam (written exam in the form of open-ended assignments) is passing the tutorials – based on: a written test in the form of practical and/or open-ended assignments, and an assessment of student activity during classes. The final grade is calculated as follows: lecture (W): 40% of the final grade + tutorials (C): 60% of the final grade.