International University of Logistics and Transport in Wrocław

Leading					
Item	**Introduction to Logistics**				
	O	**ECTS points**	**4**	**Item code**	**L/2024/SPS/S/P - L/2024/SPS/N/P**

Direction	**Specialty**	**Academic year**
Logistics	**Sustainable trade and distribution logistics / Transport safety**	updated syllabus
Term	**AND**	**Year of study** / **AND**

Form of studies	**Stationary**				**Part-time**			
Form of classes	**Lecture**	**Exercises**	**Laboratories**	**Design**	**Lecture**	**Exercises**	**Laboratories**	**Design**
Number of hours	**16**	**16**			**15**	**15**		
TOGETHER	**32**				**30**			

Objective of the course	The aim of the Introduction to Logistics course is to provide students with knowledge of logistics concepts, processes, and tools, covering the flow of materials, information, and services in the supply chain. The course also aims to develop skills in analyzing and organizing logistics activities in business practice.

Minimum knowledge required from the student before starting classes
Basic knowledge of economics, mathematics and business organization, as well as the ability to analyze data and think logically.

Recommended literature to study before starting classes
Dastbaz M. 2015: Green Information Technology: A Sustainable Approach, Elsevier LTD, Oxford

SUBJECT LEARNING OUTCOMES			**KEU**	**EVALUATION METHODS**	
KNOWLEDGE	**W01**	Possesses knowledge of logistics, including economic, production and service aspects, knows the principles of effective warehouse, inventory and internal transport management, and the application of technical and quality standards.	K1_W04_L_P	MO4	Written examination (written assessment) in the form of open tasks
	W02	Knows and understands the mechanisms of supply, production and distribution logistics, including the management of logistics chains (including sustainable and green ones) and relationships with suppliers and recipients in logistics networks.	K1_W06_L_P	MO4	Written examination (written assessment) in the form of open tasks
	W03	Possesses knowledge of the functioning of logistics and commercial processes, transport infrastructure, logistics centers and market conditions for the implementation of logistics activities, including ecology.	K1_W10_L_P	MO4	Written examination (written assessment) in the form of open tasks
SKILLS	**U01**	Is able to analyze and interpret logistics processes taking place in the enterprise and its environment, forecasting the effects of decisions in the areas of supply, production and distribution.	K1_U01_L_P	MO8	Written test in the form of open-ended tasks;
	U02	Is able to identify the causes of logistical problems, analyze warehouse and production processes, and formulate organizational requirements for supply chain participants.	K1_U03_L_P	MO8	Written test in the form of open-ended tasks;
	U03	Is able to design solutions for the organization and management of logistics processes, taking into account environmental, economic, legal and social aspects, including the selection of means of internal transport	K1_U05_L_P	MO8	Written test in the form of open-ended tasks;
SOCIAL COMPETENCES	**K01**	Is ready to make decisions and take actions in the area of logistics processes and to initiate and organize projects related to supply chain management, warehouses and transport.	K1_K02_Z_P	MO15	Assessment of activity during classes

Subject content	Lecture	Logistics, Functional areas of logistics: procurement, production and distribution, Logistics and transport infrastructure, Warehouse management, Inventory management, In-plant transport management, Supply chain and logistics chain, Logistics strategies, Logistics centers in logistics networks, Ecologistics.
	Exercises	Problems in the area of supply, production and distribution - a case study, Optimization of warehouse processes, Designing the supply chain, In-plant transport - selection of means of transport
	Laboratory	Analysis and optimization of logistics processes in the enterprise - warehouse, inventory and transport management in practice

Teaching methods	**MD2**	Informative lecture using multimedia techniques
	MD15	Computational exercises

Compulsory	1	Lysons K. 2020: Procurement and Supply Chain Management, Wydawnictwo Pearson Education Limited. Poznań

Compulsory literature	2	Helmold M, Yilmaz A, Dathe T, Flouris T. 2022: Supply Chain Risk Management: Cases and Industry Insights,
	3	Christopher M. 2023: Logistics and Supply Chain Management, Wydawnictwo Financial Times Prent. Londyn

Additional literature	1	Dawson C. 2024: Projects in Computing and Information Systems: A Student's Guide, Wydawnictwo Pearson International, Poznań

Conditions for passing the course
The course is graded as a whole (Graded Assessment - Zo) – with a single grade taking into account all coursework. Passing the lecture (written assessment in the form of open-ended assignments MO4) is contingent upon passing the tutorials (based on a written test in the form of open-ended assignments MO8) and the laboratory. The final grade is calculated as follows: lecture (W): 40% of the final grade + tutorials (C): 60% of the final grade.