

International University of Logistics and Transport in Wrocław

<b>Leading</b>								
<b>Item</b>	Transport of dangerous and oversized cargo							
<b>Module</b>	W			<b>ECTS points</b>	4	<b>Reference number of the study program</b>	L/2024/SPS/S/P - L/2024/SPS/N/P	
<b>Direction</b>				<b>Specialty</b>				
	LOGISTICS			Transport safety				
<b>Term</b>	V			<b>Year of study</b>	III			
<b>Form of studies</b>	<b>Stationary</b>				<b>Part-time</b>			
<b>Form of classes</b>	Lecture	Exercises	Laboratories	Design	Lecture	Exercises	Laboratories	Design
<b>Number of hours</b>	16	10		10	12	9		9
<b>TOGETHER</b>	36				30			
<b>Objective of the course</b>	To familiarize students with the principles, requirements and procedures related to the safe transport of dangerous goods and loads exceeding the standards in size or weight.							
<b>Minimum knowledge required from the student before starting classes</b>								
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.								
<b>Recommended literature to study before starting classes</b>								
N/A								
<b>SUBJECT-SPECIFIC LEARNING OUTCOMES (SLE)</b>					<b>KEU</b>	<b>EVALUATION METHODS</b>		
	<b>CODE</b>	<b>FORM</b>			<b>CODE</b>	<b>CODE</b>	<b>FORM</b>	
<b>KNOWLEDGE</b>	<b>W01</b>	The student has knowledge of logistics covering economic, production and service aspects, with particular emphasis on the efficiency of logistics processes and the application of technical and quality standards.			K1_W04_L_P	MO2	Written exam in the form of a closed, single-choice test	
	<b>W02</b>	Possesses knowledge in core areas of logistics. Understands and explains the mechanisms of supply, production, and distribution logistics, as well as the management of logistics chains (including sustainable, green, and short chains) within supply networks, and the principles of building relationships with suppliers and customers.			K1_W06_L_P	MO2	Written exam in the form of a closed, single-choice test	
	<b>W03</b>	Possesses basic knowledge of legal standards and regulations. Understands basic civil, economic, and commercial law, as well as regulations applicable in the European Union in the areas of logistics, trade, customs agreements, and national transit procedures. Knows and explains basic concepts and principles related to the protection of industrial property, intellectual property, and copyright.			K1_W08_L_P	MO2	Written exam in the form of a closed, single-choice test	
<b>SKILLS</b>	<b>U01</b>	They can identify problems in the operation of an enterprise and select appropriate methods and tools to solve them. They can appropriately utilize normative systems to solve tasks within the scientific disciplines related to logistics.			K1_U02_L_P	MO13	Passing papers, semester papers, etc.	
	<b>U02</b>	Is able to analyze and evaluate the quality, safety and efficiency of operations, as well as perform economic analysis and evaluation of logistics projects.			K1_U06_L_P	MO14	Continuous assessment (ongoing preparation for classes)	
	<b>U03</b>	Is able to identify problems, collect data and use knowledge to describe, analyse and evaluate processes and tasks typical of the specialty studied, as well as develop solutions to specific problems in accordance with the relevant technical, legal and organisational standards and principles, presenting them both orally and in writing in Polish and a foreign language.			K1_U07_L_P	MO7	Written test in the form of a multiple-choice closed test	
<b>SOCIAL COMPETENCES</b>	<b>K01</b>	Is prepared to properly recognize and resolve professional dilemmas while maintaining professionalism and ethical principles in the performance of the profession.			K1_K02_L_P	MO16	Assessment of students'	
Legal basis and regulations in the transport of dangerous goods, Classification and marking of								

<b>Subject content</b>	Lecture	dangerous goods, Packaging and securing of dangerous goods, Means of transport and their admissibility for the transport of dangerous goods, Documentation and formal requirements in the transport of dangerous goods, Risk and safety in the transport of dangerous goods, Procedures in emergency situations and transport accidents, Transport of oversize cargo - technical and logistic requirements, Planning and optimization of the transport of dangerous and oversize cargo, Economic analysis and evaluation of the effectiveness of logistic projects in specialized transport.
	Exercises	Analysis of transport documentation for dangerous goods, Development of a plan for the safe transport of selected dangerous goods, Exercises in the classification and labelling of dangerous goods in accordance with ADR, Simulation of emergency procedures during the transport of dangerous goods, Economic and logistical assessment of a selected transport project, taking into account oversize loads.
	Laboratories	
	Projects	Design of a dangerous goods transport plan taking into account legal and safety requirements, Risk analysis and development of emergency procedures for the transport of dangerous goods, Logistics and cost optimization of the transport of oversized loads, Development of complete documentation and instructions for the transport of selected dangerous goods in multimodal transport.

<b>Teaching methods</b>		<b>CODE</b>	<b>FORM</b>
		MD2	Informative lecture using multimedia techniques
		MD11	Didactic discussion
		MD16	Laboratory exercises - solving tasks and problems
<b>Compulsory literature</b>	1	D'Acunto E. 2017: Flash on English for Transport and Logistics, Wydawnictwo ELI, Kraków	
	2	Dastbaz M. 2015: Green Information Technology: A Sustainable Approach, Elsevier LTD, Oxford	
	3	Helmold M, Yilmaz A, Dathe T, Flouris T. 2022: Supply Chain Risk Management: Cases and Industry Insights, Wydawnictwo Springer, Warszawa	
<b>Additional literature</b>	1	Christopher M. 2023: Logistics and Supply Chain Management, Wydawnictwo Financial Times Prent. Londyn	

<b>Conditions for passing the course</b>	
Lecture: written exam covering theoretical knowledge. Passing threshold: min. 50% of points. Exercises: colloquium – passing threshold: min. 50% of points; positive assessment of the presentation and paper, and active participation in classes. Successful completion of the exercises and practical classes is a condition for admission to the exam. Determination of the criteria for passing the course and validating learning outcomes: FINAL GRADE = 0.5 W + 0.4 U + 0.1 Ks (Zo - passing with a grade, W - knowledge, U - skills, Ks - social competences).	