

# International University of Logistics and Transport in Wrocław

Leading								
Item	<b>Supply chain cost management</b>							
Module	IN	ECTS points	3	Reference number of the study program	L/2024/SPS/S/P - L/2024/SPS/N/P			
Direction		Specialty			Academic year			
LOGISTICS		Trade and distribution logistics			2025/2026			
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			9	9		
<b>TOGETHER</b>	<b>32</b>				<b>18</b>			
Objective of the course	The aim of the Supply Chain Cost Management course is to provide students with knowledge and develop skills in identifying, analyzing, and optimizing supply chain costs, including transportation, warehousing, and inventory costs. The course aims to develop the ability to make logistical decisions based on cost accounting, controlling, and modern IT tools, while taking into account the principles of economic efficiency and sustainable development.							
<b>Minimum knowledge required from the student before starting classes</b>								
Basic knowledge of logistics, economics and accounting								
<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>W1</b>	Has knowledge of the economic conditions of logistics operation and the impact of the environment on logistics costs and decisions.			K1_W07_L_P	M04	Written exam in the form of open tasks	
	<b>W2</b>	Possesses knowledge of key areas of logistics and understands the interrelationships between costs, inventory, transportation			K1_W12_L_P			
	<b>W3</b>	Has knowledge of the conditions under which logistics processes operate on the market and the role of costs and management systems in their implementation.			K1_W14_L_P			
<b>SKILLS</b>	<b>U01</b>	Is able to interpret basic cost phenomena in logistics and their impact on the functioning of the enterprise and the supply chain.			K1_U01_L_P	MO8	Written test in the form of open tasks	
	<b>U02</b>	Is able to identify simple cost problems in logistics and select basic methods for their analysis and solution.			K1_U02_L_P			
	<b>U06</b>	Is able to generally analyze and evaluate costs, efficiency and the relationships between costs, inventories and customer service in logistics.			K1_U06_L_P			
<b>SOCIAL COMPETENCES</b>	<b>K01</b>	Is able to generally analyze and evaluate costs and the relationships between costs, inventories and customer service in logistics.			K1_K01_L_P	MO15	Assessment of activity during classes	
<b>Subject content</b>	Lectures	Cost structure in logistics and its importance in decision-making, transport costs in logistics systems, factors influencing the level of costs in the supply chain, cost optimization in logistics, activity-based costing (ABC) – basics and importance, inventory levels and logistics costs, controlling and information systems in logistics, relationships between costs and customer service level (trade-off in logistics)						
	Exercises	Analysis of the cost structure in selected logistics processes, identification of factors influencing transport costs, basic interpretation of activity-based costing (ABC), relationship between inventory levels and logistics costs, analysis of the relationship between costs and customer service levels in the supply chain						
<b>Teaching methods</b>	<b>CODE</b>	<b>FORM</b>						
	<b>MD2</b>	Informative lecture using multimedia techniques						
	<b>MD16</b>	Laboratory exercises – solving tasks and problems						
<b>Compulsory literature</b>	1	Anklesaria J., 2007: Supply Chain Cost Management: The AIM & DRIVE Process for Achieving Extraordinary Results, Amacom, New York.						
	2	Grand D.B., 2022: Sustainable Logistics and Supply Chain Management: Principles and Practices for Sustainable Operations and Management, Kogan Page Ltd., London.						
<b>Additional literature</b>	1	Stadtler H., Kliger C., Meyr H., 2010: Supply Chain Management und Advanced Planning: Konzepte, Modelle und Software, Springer, London.						
<b>Conditions for passing the course</b>								

To pass the course "Cost Management in the Supply Chain," you must pass the lecture (M04 Written Exam with Open-End Questions) and the tutorials (M08 Written Test with Open-End Questions). Additionally, a student's participation in the classes will be assessed. The grade is calculated using the following formula: Lecture (W): 40% of the final grade plus Tutorials (C): 60% of the final grade.