

Subject card

Subject name and code	Supply chain logistics - classes, PG_00169979						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Logistics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Rafał Śpiewak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		5.0		30.0	50
Subject objectives	Familiarizing students with key issues, processes and tools related to planning, organizing, implementing and controlling the flow of goods, information and financial resources throughout the supply chain - from raw material suppliers to the final recipient. Students will gain theoretical knowledge and practical skills in the field of cost and delivery time optimization, inventory management, cooperation with business partners and implementation of modern technologies supporting logistics efficiency in the enterprise. The subject prepares for making logistics decisions in the conditions of dynamic markets and global supply networks.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_U07] is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to choose the methods and instruments to resolve them rationally	The student is able to participate in the analysis and evaluation of various variants of solutions to logistic and social problems in the supply chain and select appropriate economic and social methods and tools that enable rational decision-making.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social	The student is able to identify and analyse the causes and course of economic and social processes taking place in supply chains, using appropriate methods and tools of economic and social analysis in order to make informed logistics decisions.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_W07] has knowledge of the basic economic and financial principles of the functioning and management of economic entities and organisations as well as the legal, organisational, moral and ethical norms and rules governing the functioning of public institutions	The student knows and understands the basic economic and financial principles of managing business entities and organizations in supply chains, as well as the applicable legal, organizational, moral and ethical standards regulating the functioning of public institutions influencing logistics.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[EKONL3_K03] participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements	The student is able to collaborate in the creation of logistics projects, integrating and taking into account various legal, economic, ecological, political and social requirements, in accordance with the principles of sustainable development and social responsibility in the supply chain.	[SK2] presentation/project/paper/report [SK4] test/exam - oral or written [SK8] observation of student's independent or team work
	[EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it	The student is able to work effectively in an interdisciplinary and international team, playing various roles, communicating clearly and taking into account cultural diversity and the specificity of logistics activities in the supply chain.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	The student is able to analyse and interpret economic and social phenomena occurring in supply chains, using knowledge of economics, finance and management to identify causes and effects and make rational logistics decisions.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_U05] uses normative systems (legal, professional, ethical) to solve a specific economic or social task	The student is able to apply applicable legal and professional standards and ethical principles in the analysis and solution of logistics problems, taking into account economic and social aspects in the supply chain.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions	The student knows and understands the various types of business entities, organizations and public institutions participating in supply chains, their functions and mutual relationships affecting the efficiency and sustainable development of logistics processes.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student knows and understands the complex relationships and connections between economic entities and social organizations operating at the national, international and intercultural levels, and is able to analyze their impact on the functioning and efficiency of supply chains.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report

	Course outcome	Subject outcome	Method of verification
	[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student knows and understands the different types of economic and social relationships occurring in supply chains and the principles and mechanisms governing them, which allows for effective management of relationships between supply chain participants.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
	[EKONL3_W09] has advanced knowledge of the evolution of theories describing economic entities and organisations as well as public institutions, and is familiar with the functional links within them	The student is able to analyze and interpret the evolution of theories concerning economic entities, organizations and public institutions in the context of the functioning of supply chains, understanding the nature and importance of functional ties between chain participants and their impact on the efficiency of logistics processes.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report
Subject contents	Logistics Basics Processes, Strategies, Information Systems Logistics ZPD Supply, Production, Distribution Transport Road, Rail, Sea, Air Supply Chain Management Flexibility, Indicators, Technologies Reverse Logistics Environment, Regulations, Waste Quality Management TQM, 5 Why, Ishikawa Diagram Project Management Scrum, Planning, Implementation Lean Tools Lean, Kaizen, Six Sigma, Kanban Logistics Controlling Costs, Budgeting, Indicator Analysis Ecological Logistics / Green Logistics Any doubts regarding the issues discussed during classes can be discussed during consultations.		
Prerequisites and co-requisites	none		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	activity during classes - 20%, implementation of problem-solving tasks - 80%,	51.0%	100.0%
Recommended reading	Basic literature	S. Chopra, P. Meindl (2016) Supply Chain Management: Strategy, Planning, and Operation, Pearson Education M. Christopher (2016) Logistics and Supply Chain Management, Pearson Education	
	Supplementary literature	Yu, Y., Wang, X., Zhong, R. Y., & Huang, G. Q. (2016). E-commerce logistics in supply chain management: Practice perspective. <i>Procedia Cirp</i> , 52, 179-185.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	After learning about the characteristics of ABC Company, select appropriate supply chain assessment metrics. Create three optimization scenarios from a cost, time, or environmental perspective.		
Work placement	Not applicable		

Document generated electronically. Does not require a seal or signature.