University of Gdańsk

Subject card

Subject name and code	Supply and Value Chains, PG_00200394		
Field of study	Logistics and Mobility		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study 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	2	Language of instruction	English
Semester of study	3	ECTS credits	3.0
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	30.0	15.0	0.0	0.0	0.0	45

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	45	0.0	30.0	75

Subject objectives

During the classes, students gain knowledge about planning, organizing and controlling the flow of goods and information in logistics systems, with particular emphasis on delivering value in the supply chain. Participants will become familiar with the mechanisms of managing the flow of products and inter-organizational relations that affect the efficiency and effectiveness of activities within the entire chain. Introduction to the concept of Lean Management - a management methodology aimed at eliminating waste, improving processes and providing customers with products and services that meet their expectations. During the classes, issues related to the value chain are discussed, and techniques and tools supporting the implementation of logistics, production and information processes aimed at creating added value are practiced.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[LML3_W01] has advanced knowledge in social sciences, their importance in the system of sciences, and understands the role of logistics and mobility in this context, knows the universal terminology related to logistics and mobility	The student demonstrates the ability to identify supply chain links and the relationships between them. He is able to determine the key elements that build the value chain.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
[LML3_U08] has the ability to observe, understand and analyze logistics and mobility processes and systems using appropriate scientific methods	The student demonstrates knowledge of the principles of formal logic and the ability to select the best solutions from an economic point of view.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[LML3_W04] knows the types of economic and social ties and the regularities governing them, has knowledge of the ties between companies requiring logistics support or providing logistics services	Is able to take on the challenge of optimizing complex supply chains. Correctly identifies flows and their determinants.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
[LML3_U06] uses its knowledge of economics, finance, management, logistics and mobility to resolve economic and social dilemmas arising in its professional work	Demonstrates appropriate sensitivity in serving supply and value chain stakeholders, given the need to ensure the continuity of commitments in the long term, taking into account various scenarios requiring intervention in business chains and processes.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[LML3_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient to failure, knows how to identify threats and assess the risk of their occurrence	Demonstrates the ability to effectively search for savings, minimize, reduce chains and build added value (positively influencing the level of interest in the customer's product/service). The student discusses the project/ doubts/tasks etc. during consultations with the instructor.	[SK2] presentation/project/paper/ report [SK4] test/exam - oral or written

Subject contents

1. Concepts and structure of the value chain and supply chain
2. Processes and links in the value chain
3. Customer and value in chain management
4. Relationship and information management in the supply chain
5. Inventory and transport management
6. Risk management and decision problems
7. Value chain efficiency and effectiveness
8. Sustainability in the supply chain
9. New technologies and trends in chain management
10. Factors determining value chain management

Any doubts arising at the stage of solving the problem task or interpretation problems accompanying the identification of the supply chain will also be resolved during consultations.

Prerequisites and co-requisites

basic knowledge of economics and management

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project	51.0%	50.0%
exam	51.0%	50.0%

Recommended reading

Basic literature	Breite R. (2010) Management Method for Supply and Value Chains: Supply and Value chain management, VDM Verlag Dr. Müller
Supplementary literature	Abdullah S. Al-Mudimigh, Mohamed Zairi, Abdel Moneim M. Ahmed, (2004) Extending the concept of supply chain:: The effective management of value chains, International Journal of Production Economics, Volume 87, Issue 3. (link: https://www.sciencedirect.com/science/article/pii/ S0925527303002548?casa_token=T-dgHK7pRnQAAAAA:l0aKqe8UfxkMt8bPilyoGUPKJge1_M3c6wHF72wfE
eResources addresses	

Example issues/ example questions/ tasks being completed

Identify the stages of the supply chain for this product from raw material sourcing, through production, storage, transportation, to delivery to the end customer, and analyze the flows (physical, information and financial) between the links in the chain.

Work placement

Not applicable

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