

**Subject card**

<b>Subject name and code</b>	Supply and Value Chains, PG_00200394						
<b>Field of study</b>	Logistics and Mobility						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2027/2028		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	2	<b>Language of instruction</b>			English		
<b>Semester of study</b>	3	<b>ECTS credits</b>			3.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Department of Logistics -> Faculty of Economics -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr inż. Rafał Śpiewak				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	30.0	15.0	0.0	0.0	0.0	45
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	45		0.0		30.0	75
<b>Subject objectives</b>	<p>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.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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.	[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.	[SK4] test/exam - oral or written
	[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
	[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.	[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	
Subject contents	<ol style="list-style-type: none"> <li>1. Concepts and structure of the value chain and supply chain</li> <li>2. Processes and links in the value chain</li> <li>3. Customer and value in chain management</li> <li>4. Relationship and information management in the supply chain</li> <li>5. Inventory and transport management</li> <li>6. Risk management and decision problems</li> <li>7. Value chain efficiency and effectiveness</li> <li>8. Sustainability in the supply chain</li> <li>9. New technologies and trends in chain management</li> <li>10. Factors determining value chain management</li> </ol> <p>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.</p>		
Prerequisites and co-requisites	basic knowledge of economics and management		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam	51.0%	100.0%
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: <a href="https://www.sciencedirect.com/science/article/pii/S0925527303002548?casa_token=T-dgHK7pRnQAAAAA:10aKqe8UfxkMt8bPilyoGUPKJge1_M3c6wHF72wff">https://www.sciencedirect.com/science/article/pii/S0925527303002548?casa_token=T-dgHK7pRnQAAAAA:10aKqe8UfxkMt8bPilyoGUPKJge1_M3c6wHF72wff</a> )	
	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		