

Subject card

Subject name and code	Supply Chain Management, PG_00200448						
Field of study	Logistics and Mobility						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	Master'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 Sustainable Market Processes -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Magdalena Jażdżewska-Gutta				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	30.0	0.0	60
	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	60		0.0		15.0	75
Subject objectives	The goal of the course is to acquaint students with basic knowledge and terminology concerning supply chain management, as well as the methods and tools that can be used in supply chain management. At the end of this course, the students should have the understanding of the differences between supply chain management and logistics, the importance of supply chain integration, the significance of global challenges to supply chains, as well as the capability to solve business problems in supply chain management.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[LMMU2_W03] has a knowledge of relations between economic entities and organisations functioning in the national, international and intercultural spheres; understands importance logistics and mobility for their operation	a student has an in-depth knowledge of relations between entities and organisations in supply chains	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[LMMU2_W08] has a knowledge of main and logistics processes occurring in enterprises and economic organisations and with related areas, as well as of processes of change in public institutions; knows methods of research on the regularities governing these changes, taking into account the influence of external stakeholders on them	a student has an in-depth knowledge of processes occurring along the supply chain, in enterprises and economic organisations and between them, and knows methods of research on the regularities governing these changes	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[LMMU2_W04] knows different types of economic and social ties and regularities governing them; has knowledge of ties between enterprises which require logistics support or provide logistics services	The student has an in-depth knowledge of economic and financial ties between enterprises operating in the supply chains	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[LMMU2_U07] can independently propose solutions to complex logistics and mobility problems, select methods of analysis and conduct conclusive procedures in this respect	a student can independently propose solutions to complex problems concerning supply chain management, select methods of analysis and conduct conclusive procedures in this respect	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
	[LMMU2_K05] correctly identifies, diagnoses and solves dilemmas and alternative solutions related to the profession	a student correctly identifies, diagnoses and solves dilemmas and alternative solutions related to supply chain management	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written
	[LMMU2_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; can assess risks and threats and find ways of counteracting their effects	a student is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions regarding supply chain management issues; undertakes challenges of creative thinking to find solutions to problems; can assess risks and threats and find ways of counteracting their effects	[SK1] oral statement/conversation/ discussion
	[LMMU2_U06] can practically apply various forms and range of acquired knowledge in logistics and mobility, supplementing it with an independent critical analysis of its efficiency and usefulness	a student can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness to analyse issues and solve problems related to supply chain management	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
	[LMMU2_K06] is ready to observe and develop in his/her professional life principles of business ethics and corporate social responsibility, respect others, be loyal to their employer, taking into account changing social needs.	- a student is ready to observe and develop in their professional life principles of business ethics and corporate social responsibility, especially with regard to sustainable supply chain management	[SK1] oral statement/conversation/ discussion
	[LMMU2_K03] inspires and organises preparation of projects in the field of logistics and mobility, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements	a student inspires and organises preparation of projects and solutions concerning supply chain management, following the idea of sustainable development, reconciling economic, ecological, political and social requirements	[SK1] oral statement/conversation/ discussion

	<table border="1"> <thead> <tr> <th>Course outcome</th> <th>Subject outcome</th> <th>Method of verification</th> </tr> </thead> <tbody> <tr> <td>[LMMU2_W07] has a knowledge of economic and financial principles governing the functioning and management of economic entities and organisations, which require logistics support or provide logistics services, as well as of systems of legal, organisational, professional, moral and ethical norms and rules organising public structures and institutions, both in the national and international spheres</td> <td>a student has an in-depth knowledge of economic and financial principles governing the supply chains, both in the national and international spheres</td> <td>[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion</td> </tr> </tbody> </table>	Course outcome	Subject outcome	Method of verification	[LMMU2_W07] has a knowledge of economic and financial principles governing the functioning and management of economic entities and organisations, which require logistics support or provide logistics services, as well as of systems of legal, organisational, professional, moral and ethical norms and rules organising public structures and institutions, both in the national and international spheres	a student has an in-depth knowledge of economic and financial principles governing the supply chains, both in the national and international spheres	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion			
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Subject contents	<p>1. Introduction to supply chain management (definitions including: supply chain and supply chain management vs. logistics/logistics management/value chain, history and development, elements of supply chain, links and flows, extended enterprise; supply chain in a strategic context)</p> <p>2. Lean and agile supply chain, creating the responsive supply chain</p> <p>3. Putting the end customer first (demand planning and forecasting)</p> <p>4. Supply management</p> <p>5. Integrating the supply chain (incl. ECR, CFPR, VMI, QR), integration, cooperation and collaboration, supply relationships, 3PL, 4PL, demand forecasting, matching supply and demand</p> <p>6. Outsourcing and global design, facility location and network design</p> <p>7. Supply chain finance</p> <p>8. Supply chain vulnerability, risk, robustness and resilience</p> <p>9. Challenges to supply chains (sustainable/green supply chains, trends in supply chain management)</p> <p>During consultation hours, individual questions will be discussed, doubts clarified, and additional explanations concerning the course content will be provided.</p>									
Prerequisites and co-requisites	Basic knowledge of the organization and functioning of global enterprises, basic microeconomics.									
Assessment methods and criteria	<table border="1"> <thead> <tr> <th>Subject passing criteria</th> <th>Passing threshold</th> <th>Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>written test</td> <td>51.0%</td> <td>90.0%</td> </tr> <tr> <td>active class participation including discussion on case studies and games</td> <td>51.0%</td> <td>10.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	written test	51.0%	90.0%	active class participation including discussion on case studies and games	51.0%	10.0%
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Recommended reading	Basic literature	<p>A.1. used in the classroom:</p> <p>A. Harrison, R. van Hoek, Logistics management and strategy - competing through the supply chain, Prentice Hall, Harlow 2008</p> <p>James B. Ayers, Handbook of Supply Chain Management, Auerbach Publications, Boca Raton 2006.</p> <p>M. Christopher, Logistics & Supply Chain Management, Prentice Hall, 2011.</p> <p>Handouts distributed in class.</p> <p>A.2. studied by the student independently:</p> <p>C. Scott, H. Lundgren, P. Thompson, Guide to Supply Chain Management: An End to End Perspective, Springer, 2018.</p> <p>R. Crandall, W Crandall, C. Chen, Principles of Supply Chain Management, CRC Press, 2015 H. Min, The Essentials of Supply Chain Management, Pearson Education, 2015</p>
	Supplementary literature	<p>M. Jażdżewska-Gutta & P. Borkowski (2022) As strong as the weakest link. Transport and supply chain security, Transport Reviews, 42:6, 762-783, DOI: 10.1080/01441647.2022.2056656</p> <p>M. Jażdżewska-Gutta, Who is responsible? The roles of the supply chain participants in the area of supply chain security, International Academic Conference on Management, Economics and Marketing in Bratislava (IAC-MEM 2016).</p> <p>P. Wierzbowski, Application of Blockchain Technology in Information Management in Supply Chains, "Research Journal of the University of Gdańsk" Transport Economics and Logistics Vol. 78, Gdańsk 2018</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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