University of Gdańsk

Subject card

Subject name and code	City Logistics , PG_00200422						
Field of study	Logistics and Mobility						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2028/2029			
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	3		Language of instruction	English			
Semester of study	6		ECTS credits	2.0			
Learning profile	academic		Assessment form	credit			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Marcin Wołek, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0	0.0	30
	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	30		0.0		20.0	50
Subject objectives	To familiarise students with the major components and challenges of city logistics.						

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	The student is able to use their knowledge to support public authorities and businesses in the field of sustainable urban mobility planning and city logistics.	[SU1] oral statement/conversation/ discussion [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	The student is able to identify the basic socio-economic relationships relevant to urban logistics, taking into account the specific nature of local stakeholders. A student interested in exploring the discussed topics in more depth or clarifying any doubts and interpretative issues will be able to take advantage of consultation hours.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[LML3_U01] is able to correctly interpret economic and social phenomena and apply knowledge of economics, finance, management sciences, logistics and mobility to explain economic phenomena	The student is able to correctly interpret economic phenomena affecting the functioning of the urban logistics system. They are also able to use their knowledge of economics, finance, management sciences, logistics, and mobility to explain phenomena occurring at the city level.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[LML3_K03] participates in the preparation of logistics and mobility projects, being able to reconcile legal, economic, ecological, political and social requirements	he student is able to prepare and evaluate individual elements of strategic documents relating to city logistics issues.	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written
[LML3_W02] has advanced knowledge of different types of entities that require logistics support or provide logistics services	The student is able to identify the most important stakeholders for various city logistics subsystems and indicate their specific characteristics from the perspective of economic sciences.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[LML3_W09] has advanced knowledge of the evolution of theories describing logistics and mobility	The student has advanced knowledge of urban evolution and the relationship between logistics & transport and urban space.	[SW4] test/exam - oral or written

Subject contents

1. The city (The process of urban development. City as an arena of conflicts. Concepts of a modern city).
2. City: a systemic approach (City as a flow management centre. Identification of main flows in urban environment).
3. What is city logistics? (Addressing city logistics in an urban context. Stakeholders in city logistics. City logistics from a strategic perspective).
4. City logistics: main components (energy, waste, water, heat).
5. City logistics: main components (goods and freight management, influence of e-commerce).
6. Micromobility in city logistics: local solutions to tackle global challenges.
7. City logistics in the future.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written exam	51.0%	80.0%
lecture's attendance rate	70.0%	20.0%

Recommended reading

Basic literature	1. Handbook on City Logistics and Urban Freight. Edited by E. Marcucci, V. Gatta, M. Le Pira. Edward Elgar Publishing 2023 2. The Routledge Handbook of Urban Logistics. Eds. Monios, J., Budd, L., & Ison, S., 2023, Routledge.
Supplementary literature	Selected papers published in "Transportation Research Part A", "Journal of Cleaner Production"
eResources addresses	

Example issues/ example questions/ tasks being completed	1. What are the core elements of compact city? 2. What are the most important effects of e-commerce development on city logistics? 3. What is the "last-mile" logistics? 4. What is a role of micromobility in city logistics development? 5. What are main trends impacting the development of city logistics in the future?
Work placement	Not applicable

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