

Subject card

Subject name and code	City Logistics - lecture, PG_00174068						
Field of study	Logistics and Mobility						
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 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 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 Wolek				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	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	To familiarise students with the major components and challenges of city logistics.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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_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_W04] knows the types of economic and social ties and the regularities governing them, has advanced 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_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
	[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
Subject contents	[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
	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
		lecture's attendance rate	75.0%
		exam results	51.0%
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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