GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Urban Logistics, PG_00062461		
Field of study	Transport		
Date of commencement of studies	February 2026	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Specialty subject group 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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Transportation Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Justyna Staszak-Winkler	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	15.0	15.0	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	5.0	25.0	75

Subject objectives

The aim of the subject "City Logistics" is to provide students with theoretical and practical knowledge on logistics processes in the urban environment, with particular emphasis on managing cargo flows. Students will learn methods of optimizing the transport of goods in cities, tools and technologies supporting logistics management in urban areas, and will understand the challenges related to urbanization and the growing demand for supplies.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W01] identifies in an in-depth way phenomena related to the field of study as well as theories describing them and possible methods of analyzing processes occurring in the life cycle of technical systems	The student is able to use theoretical and practical knowledge to describe and analyze phenomena in the field of urban logistics.	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation
[K7_U02] presents logical and solid arguments regarding the obtained results, through analysis, synthesis of information in various technical contexts, critically approaching their interpretation	The student creates solutions to specific logistics problems, critically analyzes the discussed phenomena and processes in the field of urban logistics.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject
[K7_K02] makes competent and ethical decisions, caring for the public interest and maintaining economic, social and environmental values	The student actively participates in the team's work and takes responsibility for the tasks assigned to him in the field of urban logistics.	[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills [SK2] Assessment of progress of work

Subject contents	Course content – lecture City as an economic category and logistics entity. City logistics system and processes affecting its functioning. Definitions of urban logistics. Functional and spatial division of urban logistics. Problems of cargo transport in cities. Planning of urban cargo transport policy. Tools for managing cargo transport. Fundamentals of urban logistics modelling. Solutions improving cargo flows. Logistics centres in cities. Consolidation of supplies. Sustainable future of transport. Sustainable urban logistics plans (SULP) and Sustainable Urban Mobility Plans (SUMP) - guidelines, implementation principles. Examples of good practices.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	60.0%	50.0%
	60.0%	25.0%
	60.0%	25.0%

Recommended reading

Basic literature	1. Tundys B. : Logistyka miejska. Koncepcje, systemy, rozwiązania. Wydawnictwo Difin,2008 2. Szymczak M.: Logistyka miejska. Wydawnictwo Akademii Ekonomicznej w Poznaniu, 2008 3. Kaszubowski D.: Metoda wspomagająca wybór modelu transportu ładunków przez samorząd lokalny, Wydawnictwo Politechniki Gdańskiej, Gdańsk 2019 4. Szołtysek. J. : Podstawy logistyki miejskiej. Wydawnictwo Akademii Ekonomicznej w Katowicach, Katowice, 2007 5. Szołtysek. J.: Logistyka miasta. Polskie Wydawnictwo Ekonomiczne, Warszawa 2016
Supplementary literature	industry literature scientific articles
eResources addresses	

Example issues/ example questions/ tasks being completed	Systemic approach to managing urban freight transport. Tasks of local government in managing urban freight transport. Factors determining the possibility of applying consolidation of deliveries
Practical activites within the subject	Not applicable

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