University of Gdańsk

Subject card

Subject name and code	Logistics for Public Sector, PG_00200424						
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	Department of Logistics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Agnieszka Szmelter-Jarosz				
	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		0.0		35.0	50
Subject objectives	Develop knowledge of how logistics systems support the functioning of public institutions and contribute to the efficient provision of public goods and services. Gain the ability to evaluate, design, and improve logistics processes in areas such as healthcare, emergency response, education, and municipal services. Learn to apply principles of green logistics and resource optimization to reduce environmental impact and ensure responsible public spending. Equip students with tools to plan, implement, and manage logistics operations within public entities, including procurement, inventory control, and last-mile distribution.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[LML3_U08] has the ability to observe, understand and analyze logistics and mobility processes and systems using appropriate scientific methods	The student is able to identify logistics needs in public sector organizations and design appropriate solutions to improve service delivery. The student can prepare and present logistics plans, including procurement strategies, transport schemes, and performance indicators tailored to public institutions.	[SU2] presentation/project/paper/ report
[LML3_W07] has knowledge of the economic and financial principles of operation and management of business entities and organizations that require logistics support or provide logistics services, as well as legal, organizational, moral and ethical norms and rules of operation of public institutions	The student understands legal, economic, and institutional frameworks that govern public logistics, including public procurement and sustainability policies.	[SW2] presentation/project/paper/ report
[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	The student demonstrates responsibility and ethical awareness in decision-making related to public logistics, considering social impact and resource stewardship. The student shows openness to continuous learning and adapting logistics practices in response to emerging public needs, crises, and sustainability challenges by discussing the issues regarding logistics for public sector.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
[LML3_W11] knows the general principles of creating and developing forms of individual entrepreneurship, using knowledge of economics, finance, management sciences, logistics and mobility	The student has knowledge of key methods and tools used in planning and managing public logistics operations (e.g., inventory management, distribution networks, emergency logistics).	[SW4] test/exam - oral or written
[LML3_W03] has advanced knowledge of the relationship between business entities and public institutions operating in the national, international and intercultural sphere, understands the importance of logistics and mobility for their functioning	The student knows the specific characteristics and functions of logistics systems in public sector entities (e.g., healthcare, education, municipal services).	[SW4] test/exam - oral or written

Subject contents

1. **Introduction to public sector logistics** - understanding the scope, roles, and unique challenges of logistics in government and public services.
2. **Structure and functions of public service supply chains** - mapping supply flows in healthcare, education, emergency services, and infrastructure.
3. **Public procurement and tendering processes** - examining legal frameworks and logistics implications of public purchasing.
4. **Transport and distribution systems for public goods** - organizing efficient and equitable movement of resources in cities and regions.
5. **Crisis logistics and emergency response planning** - logistics support for disaster relief, pandemics, and humanitarian missions.
6. **Digitalization and smart technologies in public logistics** - exploring ICT tools, tracking systems, and AI in public logistics management.
7. **Sustainable and green logistics in the public sector** - implementing environmentally responsible practices in logistics operations.
8. **Monitoring and evaluation of logistics performance** - using KPIs and audit methods to assess service quality and resource efficiency.
9. **Case studies and good practices from public logistics** - analyzing national and international examples to draw practical lessons presentations of students

All the concerns about using the SAP S/HANA and other IT systems will be dicussed additionally during office hours (consultations)

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
presentation for the chosen sector	51.0%	50.0%
test	51.0%	50.0%

Recommended reading	Basic literature	Chaberek, M., & Mańkowski, C. (2019). A methodological approach to modelling national input-output logistics flows. Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 63, Article 12. https://doi.org/10.15611/pn.2019.12.14 Szmelter-Jarosz, A., Chmiel, B., Weiland, D., Wierzbowski, P., & Reszka, L. (2023). Debate on the definition of urban logistics: a systematic literature review. Theoretical and Empirical Researches in Urban Management, 18, Article 2. Kożuch, B., Kramarz, M., & Sienkiewicz-Małyjurek, K. (2018). The concept of research on logistics management in public networks. Management Theory and Studies for Rural Business and Infrastructure Development, 40(4). https://doi.org/10.15544/mts.2018.48
	Supplementary literature	Buics, L. (2017). The Role of Logistics Management in Public Services Research Plan. International Journal of Engineering and Management Sciences, 2(3), 33-43. https://doi.org/10.21791/IJEMS.2017.3.4 Kauf, S. (2014). Public Logistics and Its Possible Application in Local Government Administration. Logistics and Transport, 23(3), 512. http://system.logistics-and-transport.eu/index.php/main/article/download/384/325 Cordova, L., López, L. F., & Rodríguez, V. H. (2024). Improving Public Governance: The Relationship among Logistics Management, Transparency and Accountability in the Peruvian Public Sector. Journal of Ecohumanism, 3(8). https://doi.org/10.62754/joe.v3i8.5144
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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