University of Gdańsk

Subject card

Subject name and code	Urban mobility management , PG_00199025						
Field of study	Economics						
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 Optional 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	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		3.0		
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	10.0	0.0	40
	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	40		0.0		35.0	75
Subject objectives	Familiarizing students with the process and tools of urban mobility management, taking into account the specifics of so-called active mobility and elements of urban logistics.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[EKONL3_W02] has an advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has in-depth knowledge of the entities influencing the shaping of sustainable urban mobility processes in cities, with particular emphasis on public sector entities.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[EKONL3_U08] has the ability to observe, understand and analyse economic and social phenomena and processes using appropriate scientific methods	The student is able to evaluate individual elements that make up the process of sustainable mobility planning.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[EKONL3_U06] uses the knowledge acquired in economics, finance and management to solve economic and social dilemmas arising in the professional context	Drawing on a broad range of knowledge in economics, finance, and management, the student is able to identify and resolve key dilemmas in the decision-making process of sustainable urban mobility planning, while being aware of the economic, social, political, and environmental consequences.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student is able to identify key stakeholders in the planning of sustainable urban mobility. The student can also indicate the main interdependencies and potential areas of conflict resulting from their interactions.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[EKONL3_K03] participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements	The student is able to prepare a project based on economic theories related to sustainable development.	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written

Subject contents

1. The importance of mobility in urban development
Differences between traditional transport planning and the new approach to mobility planning
Mobility in European and national transport policy
Spatial planning and urban mobility
2. Determinants of mobility development in cities
Challenges of contemporary cities
Directions of contemporary urban development
A new culture of mobility
3. Urban mobility management
Planning sustainable urban mobility
The essence of sustainable urban mobility planning
Instruments for balancing urban mobility
4. Active mobility in sustainable mobility planning
Pedestrian traffic
Bicycle traffic
Active mobility in mobility chains
5. Public transport in cities
Demand and supply
Costs and pricing
Organization and management
6. Shared mobility services in meeting transport needs
Shared mobility as a new way of meeting transport needs
Global experiences with shared mobility services
Polish experiences with shared mobility services
7. Urban logistics

The final project will address one of the topics listed above.

Any questions or concerns regarding the discussed issues may be addressed with the Instructor during the consultation session.

Prerequisites and co-requisites

Basic knowledge of economics and public finance.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Project (Assessment of the quality and completeness of the project)	51.0%	40.0%
Written exam	51.0%	35.0%
Participation in class discussions	51.0%	25.0%

Recommended reading	Basic literature	1. Guidelines for developing and implementing a Sustainable Urban Mobility Plan (3rd edition, 2026), available online: https://urban-mobility-observatory.transport.ec.europa.eu/sustainable-urban-mobility-plans/guidelines-developing-and-implementing-sustainable-urban-mobility-plan-0_en 2. A. Jagiełło, M. Wołek: The Monitoring and Evaluation (M&E) Framework for Effective Sustainable Urban Mobility Planning. SUMPS for BSR Project Output 2026. Link: https://interreg-baltic.eu/project/sumpsforbsr/#output-1 3. K. Grzelec, K. Hebel, O. Wyszomirski: Zarządzanie zbiorowym transportem miejskim w warunkach polityki zrównoważonej mobilności. Wyd. Uniwersytetu Gdańskiego, Gdańsk 2020 4. A. Jagiełło: Elektromobilność w kształtowaniu rozwoju drogowego transportu miejskiego w Polsce. Wyd. Uniwersytetu Gdańskiego, Gdańsk 2021 Selected articles from journals, including "PLOS One", "Transportation Research", "Sustainability", "Energy Policy".
	Supplementary literature	1. M. Wołek et al.: Ensuring sustainable development of urban public transport: a case study of the trolleybus system in Gdynia and Sopot (Poland). "Journal of Cleaner Production" 2021 vol. 279
	eResources addresses	
Example issues/ example questions/ tasks being completed	Differences between traditional transport planning and the new approach to mobility planning Consequences of spatial development for urban mobility Challenges of contemporary cities Directions of contemporary urban development The essence of urban mobility management Stages of the sustainable urban mobility planning process Instruments for balancing urban mobility The role of active mobility in sustainable mobility planning Characteristics of demand for urban transport Characteristics of public transport modes in cities Shared mobility services in meeting transport needs The essence of urban logistics	
Work placement	Not applicable	

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