University of Gdańsk

Subject card

Subject name and code	Sustainable Urban Mobility, PG_00199904		
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	part-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	6	ECTS credits	4.0
Learning profile	academic	Assessment form	credit
Conducting unit	Department of Transport Market -> Faculty of Economics -> Rector		
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	10.0	10.0	0.0	6.0	0.0	26

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	26	0.0	74.0	100

Subject objectives

The aim of the course is to familiarize students with issues related to sustainable urban mobility its planning and the conditions for effective implementation, in particular by highlighting the links between spatial planning and transport, presenting the process of sustainable mobility planning together with selected analytical methods, and the approach to monitoring mobility plans.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[EKONL3_U07] is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to choose the methods and instruments to resolve them rationally	The student can participate in the analysis and evaluation of alternative solutions to economic and social problems and select methods and instruments that enable rational decision-making for the effective design of elements in sustainable urban mobility planning.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written [SU5] implementation of a problem task
[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student understands the types of economic and social relationships and the principles that govern them in the area of sustainable mobility planning.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[EKONL3_K04] is willing to think and act in an entrepreneurial manner; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient in the face of failure, is able to identify risks and assess the risks of failure	The student is ready to think and act in an entrepreneurial manner; they adapt to new situations and conditions, take on the challenges of creative thinking, demonstrate resilience in the face of failure, and can identify threats and assess the risk of their occurrence in the context of planning sustainable urban mobility.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[EKONL3_K06] is willing to be guided in his professional life by business ethics and corporate social responsibility, to respect others and to be loyal to his employer	The student is prepared to be guided in their professional life by business ethics and corporate social responsibility, respect for others, and loyalty to their employer.	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written
[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	The student recognises the importance of economic knowledge in identifying and solving economic problems in the field of transport and seeks expert opinions in sustainable urban mobility when facing difficulties in solving them independently.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[EKONL3_W03] knows the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student has advanced knowledge of the relationships between economic entities and public institutions relevant to sustainable mobility planning in cities.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[EKONL3_W02] has an advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has advanced knowledge of economic entities and organisations, as well as public institutions responsible for shaping sustainable urban mobility.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social	The student can analyse the causes and dynamics of economic and social processes and phenomena in the field of sustainable urban mobility planning and accurately assess these phenomena using appropriate economic and social methods and tools.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written [SU5] implementation of a problem task
[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	The student can correctly interpret phenomena occurring within the urban transport system and apply knowledge from economics, finance, and management sciences to explain economic phenomena in areas relevant to urban mobility, particularly transport and spatial planning.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	The student can apply their theoretical knowledge and gather data to analyse processes and phenomena in the urban transport sector and spatial planning, as well as to investigate these phenomena using methods developed in economics, finance, and management sciences.	[SU1] oral statement/conversation/ discussion [SU4] 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 as a measure of quality of life in the city** • Methodology for assessing quality of life in the city • Pedestrian traffic • Bicycle traffic **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. Sustainable Urban Mobility Plans (SUMPs)**

	• Benefits of implementing sustainable urban mobility plans • Examples of sustainable urban mobility plans **8. Urban logistics** **9. Travel behavior and its impact on shaping urban mobility** • Consumer behavior theory • The process of choosing a means of transport • The impact of mobility plans on changing travel behavior 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	Knowledge of fundamental economic issues.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Attendance at classes	65.0%	25.0%
Project	51.0%	40.0%
Exam	51.0%	35.0%

Recommended reading

Basic literature	K. Grzelec, K. Hebel, O. Wyszomirski: Zarządzanie zbiorowym transportem miejskim w warunkach polityki zrównoważonej mobilności. Wyd. Uniwersytetu Gdańskiego, Gdańsk 2020 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 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 K. Grzelec: Marketing research in public transport in achieving sustainable urban mobility goals. Wyd. UG, Gdańsk 2025

	Supplementary literature	T. Bieliński, Ł. Dopierała, M. Tarkowski, A. Ważna: Lessons from Implementing a Metropolitan Electric Bike Sharing System, "Energies" 2020, nr 13(23), 6240, https://www.mdpi.com/1996-1073/13/23/6240/htm A. Koźlak: Mobility-as-a Service jako postęp w integracji transportu, Prace Komisji Geografii Komunikacji PTG" 2020, nr 23(5), http://dx.doi.org/10.4467/2543859XPKG.20.028.13245 A. Koźlak: Gospodarcze, społeczne i ekologiczne skutki kongestii transportowej, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu" 2015, nr 402 Polityka ekonomiczna, s. 153-164, https://dbc.wroc.pl/Content/30555/PDF/Kozlak_Gospodarcze_Spoleczne_i_Ekologiczne_Skutki_Kongestii_2015 R. Okraszewska, A. Romanowska, M. Wołek, J. Oskarbski, K. Birr, K. Jamroz: Integration of a Multilevel Transport System Model into Sustainable Urban Mobility Planning, "Sustainability" 2018 nr 10, https://www.mdpi.com/2071-1050/10/2/479/htm Przewodnik do opracowywania planów zrównoważonej mobilności miejskiej, red. M. Wołek, Fundacja Rozwoju Uniwersytetu Gdańskiego, Gdańsk 2016, http://ekonom.ug.edu.pl/web/download.php?OpenFile=2186
	eResources addresses	
Example issues/ example questions/ tasks being completed	Analysis of the monitoring system for a Sustainable Urban Mobility Plan (indicators, values) Differences between traditional transport planning and the new approach to mobility planning The relationship between spatial development and mobility Directions of contemporary urban development The essence of urban mobility management Stages of the sustainable urban mobility planning process Instruments for balancing urban mobility Characteristics of pedestrian mobility Challenges in measuring the scale of pedestrian mobility Characteristics of public transport modes The essence of shared mobility	
Work placement	Not applicable	

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