University of Gdańsk

Subject card

Subject name and code	Sustainable Urban Mobility, PG_00199370		
Field of study	Economics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Master'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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	2.0
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	0.0	15.0	0.0	15.0	0.0	30

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	30	0.0	20.0	50

Subject objectives

To familiarize the student with the concept of sustainable mobility.Indication of the connections betweenspatial planning and transport.Presentation of the sustainable mobility planning process along with selectedanalytical methods.Presenting to the Student how to monitor the mobility plan.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONMU2_W07] has an in-depth knowledge of economic and financial principles governing the functioning and management of economic entities and organisations, as well as of systems of legal, organisational, professional, moral and ethical norms and rules organising public structures and institutions, both in the national and international spheres	The student can use interdisciplinary knowledge to interpret complex social, economic, and spatial phenomena that are analysed in the process of planning sustainable mobility.	[SW1] oral statement/ conversation/discussion
	[EKONMU2_W03] has a knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning in the national, international and intercultural spheres	The student can identify the most important connections and stakeholders necessary for planning sustainable mobility.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[EKONMU2_U06] can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness	The student can assess the most important elements of the sustainable mobility planning process.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[EKONMU2_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; can assess risks and threats and find ways of counteracting their effects	The student has the ability to critically analyze strategic documents referring to sustainable mobility using economic instruments.	[SK2] presentation/project/paper/ report [SK5] implementation of a problem task [SK8] observation of student's independent or team work
	[EKONMU2_U08] can independently analyse economic and social phenomena and processes, and can perform a theoretically deepened assessment of such phenomena, using appropriately selected research method	The student can assess the most important elements of the sustainable mobility planning process.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[EKONMU2_K03] inspires and organises preparation of economic and social projects, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements	The student can prepare a project based on economic theories relating to sustainable development.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report

Subject contents	Sustainable mobility as a response to global challenges 1.1. Environmental reasons for planning sustainable mobility 1.2. Spatial structures and transport 1.3. EU legal framework 2. Case study: Sustainable urban mobility planning process 2.1. Identification and diagnosis of stakeholders 2.2. Development of scenarios 2.3. Vision, goals, action plan and monitoring 3. Active mobility in planning sustainable mobility 3.1. Pedestrian traffic 3.2. Cycling traffic 3.3. Active mobility in mobility chains 4. Car in the city 4.1. Traffic optimization 4.2. City logistics and freight transport 4.3. Reducing the impact of motoring on the environment 5. Public transport - the basis of sustainable urban mobility 5.1. Public transport and urban development 5.2. Public transport means and their features 5.3. New trends in the development of public transport 6. Selected methods for analyzing sustainable mobility 6.1. Environmental approach 6.2. Spatial approach 6.3. Economic and social approach 7. Sustainable mobility in a global context The final project will address one of the topics listed above. Any doubts regarding the issues discussed can be clarified during the consultations.
Prerequisites and co-requisites	
Assessment methods and criteria	

Subject passing criteria	Passing threshold	Percentage of the final grade
Student's activity	51.0%	15.0%
The project	51.0%	60.0%
Attendence rate	75.0%	25.0%

Recommended reading	Basic literature	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 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 4. Selected articles from journals, including "PLOS One", "Transportation Research", "Sustainability", "Energy Policy".

	Supplementary literature	1. Planning and Design for Sustainable Urban Mobility: Global Report on Human Settlements 2013. Available online: https://unhabitat.org/sites/default/files/download-manager-files/Planning%20and%20Design%20for%20Sustainable%20Urban%20Mobility.pdf 2. M. Wołek, A. Jagiełło, M. Wolanski: Multi-criteria analysis in the decision-making process on the electrification of public transport in cities in Poland: a case study analysis. "Energies" 2021 vol. 14 nr 19
	eResources addresses	
Example issues/ example questions/ tasks being completed	Monitoring assessment of the Sustainable Urban Mobility Plan.	
Work placement	Not applicable	

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