University of Gdańsk

Subject card

Subject name and code	Sustainable Mobility Management, PG_00200434		
Field of study	Logistics and Mobility		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	Master'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	1	Language of instruction	Polish English
Semester of study	1	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. Dariusz Tłoczyński, prof. UG	
	Teachers	dr hab. Dariusz Tłoczyński, prof. UG mgr Anna Michalska-Szajer	

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	Knowledge of the scientific field of sustaiable mobility management

Learning outcomes

Course outcome	Subject outcome	Method of verification
[LMMU2_U06] can practically apply various forms and range of acquired knowledge in logistics and mobility, supplementing it with an independent critical analysis of its efficiency and usefulness	The student is able to practically apply the acquired knowledge to the assessment of sustainable mobility management problems.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written [SU5] implementation of a problem task
[LMMU2_W02] has a knowledge of various types of economic entities and organisations, which require logistics support or provide logistics services as well as an extended knowledge of public institutions	The student has knowledge of transport and logistics actors and public institutions and the relationship between these actors	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW3] text preparation/written work
[LMMU2_W09] has an in-depth knowledge of the evolution of theories describing logistics and mobility	the student has knowledge of mobility management theory	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
[LMMU2_W01] has an in-depth knowledge of the nature of social sciences and their place in the system of sciences; understands the differences between contemporary trends in theory of logistics and mobility	The student has an in-depth knowledge of the differences in the various areas of sustainable mobility	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
[LMMU2_W05] has a knowledge of the human being as a manufacturer and consumer and extended knowledge of the human being as a creator of culture and social structures	Student has an extended knowledge of the human being as a manufacturer and consumer and extended knowledge of the human being as a creator of culture and social structures	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
[LMMU2_K03] inspires and organises preparation of projects in the field of logistics and mobility, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements	Students will be able to collect the data needed to prepare an ESG report.	[SK2] presentation/project/paper/ report [SK5] implementation of a problem task

Subject contents

1. Sustainable mobility as an economic concept Sustainability concept in economics Nature of mobility Mobility management
2. European and Polish framework for the sustainable mobility management European Union policy regarding sustainable mobility Polish policies regarding sustainable mobility Selected countries national framework for the sustainable mobility
3. Determinants of sustainable mobility development Challenges and directions of development Management of sustainable mobility development Environmental policy in the concept of sustainable mobility
4. Mobility management services in achieving transport needs Shared mobility a new response to transport needs Worldwide experience with shared mobility services Shared mobility services in Poland
5. Mobility management in air transport Airport - a gateway to the city Airports links as an element sustainable transport systems Direct and indirect connections
6. Regional airport as an engine for regional economy - case study
7. Mobility management in railway transport Infrastructure of railway transport Railway on passenger market Railway on freight market: from railway operator to logistics operator
8. Mobility management in urban transport Public transport as a subsystem of the modern city Challenges facing public transport Modern concepts of public transport

In case of doubts, the Student is aware of the possibility of using consultations.

Prerequisites and co-requisites

Basic knowledge of economics

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
activity	51.0%	20.0%
project	51.0%	40.0%
test	51.0%	40.0%

Recommended reading	Basic literature	Nieuwenhuis P., Business of Sustainable Mobility, Greenleaft publishing, 2006 Rosario M., Managing urban mobility system, Emerald, 2011 Shaping smart mobility futures : governance and policy instruments in times of sustainability transitions, Alexander Paulsson and Claus Hedegaard Sřrensen (ed.), Emerald Publishing Limited, 2020
	Supplementary literature	Mobility and travel behaviour across the life course : qualitative and quantitative approaches, Joachim Scheiner, Henrike Rau (ed.), Edward Elgar Publishing, 2020 Tłoczyński D., Szmelter-Jarosz A., Susmarski S., Analysis of sustainable transport systems in service of selected SEA-EU consortium countries airports - a pilot case study of passenger choices for Gdańsk Airport, International Journal of Environmental Research and Public Health, 2022, vol. 19, nr 2, s.1-21, Numer artykułu: 827 Tłoczyński D., Wach-Kloskowska M., Martin-Rojas R., An assessment of airport sustainability measures: a case study of Polish airports, Transport Problems, 2020, vol. 15, nr 4, Part 2, s.287-300
	eResources addresses	
Example issues/ example questions/ tasks being completed	ESG, mobility	
Work placement	Not applicable	

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