University of Gdańsk

Subject card

Subject name and code	Transport Economics , PG_00200395						
Field of study	Logistics and Mobility						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
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	2		Language of instruction		English		
Semester of study	3		ECTS credits		3.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Monika Bąk, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	15.0	0.0	45
	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	45		0.0		30.0	75
Subject objectives	The aim of the course Transport Economics is to provide students with a comprehensive understanding of the economic principles and analytical tools used to evaluate and manage transport systems. The course focuses on the role of transport in the economy, cost structures, pricing, regulation, and the impact of transport policies on mobility and logistics within regional, national, and international contexts.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[LML3_W04] knows the types of economic and social ties and the regularities governing them, has knowledge of the ties between companies requiring logistics support or providing logistics services	Student knows the types and principles of economic and social relations, with advanced understanding of links between enterprises involved in or requiring transport services.	[SW2] presentation/project/paper/ report
[LML3_U06] uses its knowledge of economics, finance, management, logistics and mobility to resolve economic and social dilemmas arising in its professional work	Student uses knowledge of economics, finance, management, logistics, and mobility to solve economic and social dilemmas in professional practice.	[SU2] presentation/project/paper/ report
[LML3_K01] recognizes the importance of knowledge in the field of logistics and mobility in the process of identifying and solving economic problems, is ready to interact with other participants in the learning process, and consulting experts in case of difficulties in solving them on their own	Student recognizes the importance of transport and mobility knowledge in solving economic problems and is ready to interact with others and consult experts when needed.	[SK2] presentation/project/paper/ report
[LML3_U01] is able to correctly interpret economic and social phenomena and apply knowledge of economics, finance, management sciences, logistics and mobility to explain economic phenomena	Student can interpret economic and social phenomena and apply knowledge of transport and mobility to explain them.	[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	Student knows economic, financial, legal, and ethical principles relevant to the functioning of transport organizations.	[SW2] presentation/project/paper/ report
[LML3_W02] has advanced knowledge of different types of entities that require logistics support or provide logistics services	Student knows various types of entities that require or provide transport services.	[SW2] presentation/project/paper/ report

Subject contents

Transport as a Field of Economic Study
Production Factors and Resource Allocation in Transport
Environmental and Sustainability Aspects of Transport
The Role of Transport in the National Economy
Transport and Spatial Planning
Demand for Transport Services: Determinants and Trends
Supply of Transport Services: Capacity and Efficiency
Transport Markets and Market Structures
Competition and Regulation in the Transport Sector
Cost Structures and Economies of Scale in Transport
Pricing Strategies and Tariff Systems in Transport
Economic Evaluation and Decision-Making in Transport
Innovation, Digitalization, and Future Trends in Transport

Issues requiring further clarification or explanation will be discussed during the consultation.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
report	51.0%	25.0%
test	51.0%	25.0%
project	51.0%	50.0%

Recommended reading	Basic literature	Coto-Millan, Pablo. (2004). Essays on Microeconomics and Industrial Organisation. Physica-Verlag HD: Imprint: Physica. Handbook of Transportation Science. Edited by Hall Randolph W. (2003). Second Edition. Inderwildi, O., & King, S. D. (2011). Energy, transport, & the environment: Addressing the sustainable mobility paradigm. In Energy, Transport, & the Environment: Addressing the Sustainable Mobility Paradigm (Vol. 9781447127178). Springer-Verlag London Ltd. Rothengatter, W., Hayashi, Y., & Schade, W. (2011). Transport Moving to Climate Intelligence. Springer.
	Supplementary literature	Only in Polish: Koźlak, A., (2010). Ekonomika transportu, Wyd. UG, Gdańsk 2010. Bąk, M. (2024). Transformacja energetyczna i ekologiczna transportu w ujęciu nowej ekonomii instytucjonalnej. W M. Cichosz & M. Wolański (red.), Sektory mobilności i logistyki w nowych ramach działania (s. 6996). Szkoła Główna Handlowa w Warszawie. Burnewicz, J., & Koźlak, A. (2025). Transport w ujęciu holistycznym (s. 447). Wydawnictwo Uniwersytetu Gdańskiego. Ważna, A. (2020). Ekonomiczna wartość czasu w transporcie pasażerskim (s. 181). Wydawnictwo Uniwersytetu Gdańskiego.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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