University of Gdańsk

Subject card

Subject name and code	Directions of Transport Development, PG_00200057		
Field of study	Economics		
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 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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	1.0
Learning profile	academic	Assessment form	credit
Conducting unit	Department of Transport Economics -> Faculty of Economics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Aleksandra Koźlak	
	Teachers	dr hab. Aleksandra Koźlak	

Lesson types							
	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	10.0	0.0	0.0	0.0	10
	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	10	2.0	13.0	25

Subject objectives	The aim of the course is to introduce students to the trends in the development of transport activities - both service offers and changes in infrastructure and means of transport.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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	E2_W03 The student has in-depth knowledge of the processes, phenomena and economic relations in the transport sector related to the changes taking place. The student has in-depth knowledge of economic, social and ecological conditions of transport development	[SW1] oral statement/ conversation/discussion [SW3] text preparation/written work
[EKONMU2_W02] has an in-depth knowledge of various types of existing economic entities and organisations as well as an extended knowledge of public institutions	E2_W02 The student has an in-depth knowledge of the actors and organisations influencing the development of transport and of the role of public institutions in shaping the development of the transport sector.	[SW3] text preparation/written work
[EKONMU2_K02] is aware of the level of their knowledge in the area of solving complex problems in economic,; understands the need to extend and update this knowledge throughout his/her life	E2_K02 The student is able to verify the state of his/her knowledge and to independently supplement and improve their knowledge and economic skills related to transport development	[SK1] oral statement/conversation/ discussion [SK3] text preparation/written work
[EKONMU2_U01] can creatively interpret and explain economic and social phenomena and relations between them, using acquired knowledge of economics, finance and management sciences	E2_U01 Students can interpret economic phenomena in the transport sector and can apply theoretical knowledge in practice	[SU1] oral statement/conversation/ discussion [SU3] text preparation/written work
[EKONMU2_U03] can analyse causes and course of economic and social processes and phenomena, formulate his/her own opinions on the subject, construct research hypotheses, and select and apply methods of their verification	E2_U03 The student is able to correctly analyse the causes and course of specific economic and transport processes and phenomena; the difficulties that arise while writing the thesis are resolved during consultations.	[SU1] oral statement/conversation/ discussion [SU3] text preparation/written work

Subject contents

1.Determinants of transport development in the contemporary world (impact of civilisation development megatrends on transport (among others, globalisation, international trade, technological progress), effects of the concept of sustainable development on transport development, sharing economy in transport, smart city concept and transport in cities)2.Development of transport infrastructure towards a coherent and efficient transport network, development of the TEN-T network in the European Union, main development trends in transport branches3. Development of zero-emission, low-emission and resource-efficient transport (differences and similarities between zero-emission, low-emission and resource-efficient transport concepts, costs and benefits of implementing zero-emission, low-emission and resource-efficient transport, perspectives and instruments for the development of zero-emission, low-emission and resource-efficient transport)4. Trends in freight transport and logistics (changes in the structure of transport sector, containerisation and intermodal transport, freight transport in cities, use of modern technologies in transport processes)5.Challenges and directions in the development of passenger transport in urban agglomerations (changes in the mobility patterns, expanding the integration of transport modes, shared mobility and micromobility, Mobility-as-a Service)

Any doubts regarding the issues discussed during classes can be discussed during consultations.

Prerequisites and co-requisites

Basic economic knowledge

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	51.0%	20.0%
	51.0%	80.0%

Recommended reading	Basic literature	1. Transport. Tendencje zmian, red. K. Wojewódzka-Król, E. Załoga, Wydawnictwo Naukowe PWN, Warszawa 2022. 2. K. Wojewódzka-Król, R. Rolbiecki, Infrastruktura transportu. Europa, Polska - teoria i praktyka, Wydawnictwo NaukowePWN, Warszawa 2018 3. Transport w Smart City - zrównoważony transport w zdrowej tkance miejskiej pod red. K. Kolasińskiej-Morawskiej, Ł. Sułkowskiego, M. Brzozowskiej, P. Morawskiego. Wyd. WSB, Dąbowa górnicza 2025, https://wsb.edu.pl/files//news/13986/transport_w_smart_city.pdf 3. A. Koźlak, B. Pawłowska, Transport efektywnie korzystający z zasobów jako paradygmat współczesnego rozwoju sektora, Zeszyty Naukowe Uniwersytetu Gdańskiego. Ekonomika Transportu i Logistyka, 2017, no. 64, pp. 111-128, http://ekonom.ug.edu.pl/web/download.php?OpenFile=2355
	Supplementary literature	1. Transport i mobilność miejska podsumowanie cyklu badawczego obserwatorium polityki miejskiej IRMIR, https://obserwatorium.miasta.pl/wp-content/uploads/2024/01/Transport-i-mobilnosc-miejska-podsumowanie-cyklu-badawczego-Obserwatorium-Polityki-Miejskiej-IRMiR.pdf. 2. A. Koźlak, B. Pawłowska, Mobility-as-a-Service for improving mobility in smart cities - a comparative analysis of selected cities. Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2019, 63(10), 31-46. 3. T. Bieliński, Mikromobilność współdzielona w Polsce: rozwój, zachowania transportowe, finansowanie, Wyd.UG, Gdańsk, 2025 4. S. Kauf, Współczesne wyzwania dla logistyki miasta - kształtowanie nowych struktur przestrzennych w dostawach towarów, Zeszyty Naukowe Politechniki Częstochowskiej Zarządzanie 2016, Nr 24 t. 1, s. 128-139, http://zim.pcz.pl/znwz/files/Wspo-czesne-wyzwania-dla-logistyki-miasta---kszta-towanie-nowych-struktur-przestrzennych -w-dostawach-towarow-.pdf
	eResources addresses	
Example issues/ example questions/ tasks being completed	Example essay topics:1. Shared mobility concept, types, benefits and costs (inconveniences) for different stakeholder groups (users, system operators, city/society)2. Is the Mobility as a Service concept a recipe for more integrated public transport in cities and agglomerations? - characteristics of the concept and examples of good practice3. The Central Port of Gdansk as a factor determining the increase competitiveness of the seaport (reasons for implementation, main assumptions of the concept; financial outlays, state of implementation)4. Do Polish electric vehicles have a chance of national and international market success?	
Work placement	Not applicable	

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