

**Subject card**

<b>Subject name and code</b>	Directions of Transport Development, PG_00119465						
<b>Field of study</b>	Economics						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2024/2025		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study		
<b>Mode of study</b>	part-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	2	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Department of Transport Economics -> Faculty of Economics -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr hab. Aleksandra Koźlak				
	<b>Teachers</b>		dr hab. Aleksandra Koźlak dr Aleksander Jagiełło dr hab. Ryszard Rolbiecki				
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	10.0	0.0	0.0	0.0	10
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	10		0.0		0.0	10
<b>Subject objectives</b>	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 an in-depth 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_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_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_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	[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)		
Prerequisites and co-requisites	Basic economic knowledge		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		20.0%	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. 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	

	Supplementary literature	<p>1. E-mobility: vision and development scenarios, under the editorship of J. Gajewski, W. Paprocki and J. Pieriegud, Wydawnictwo Centrum Myśli Strategicznych, 2017.</p> <p>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.</p> <p>3. 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, <a href="http://zim.pcz.pl/znwz/files/Wspolczesne-wyzwania-dla-logistyki-miasta---ksztalowanie-nowych-struktur-przestrzennych-w-dostawach-towarow-.pdf">http://zim.pcz.pl/znwz/files/Wspolczesne-wyzwania-dla-logistyki-miasta---ksztalowanie-nowych-struktur-przestrzennych-w-dostawach-towarow-.pdf</a></p>
	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 practice 3. 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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