



## Subject card

Subject name and code	Analysis of Transport Economy, PG_00056234						
Field of study	Transport and Logistics						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2024/2025		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Anna Dembicka				
	Teachers		dr Anna Dembicka  mgr inż. Wojciech Olszewski				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	30.0	0.0	0.0	0.0	60
	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	60		2.0		18.0	80
Subject objectives	Understanding the characteristics of individual transport markets and the determinants of their competitiveness.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W05] has an organized knowledge on design, construction and operation of means and systems of transport		The student has knowledge of the design, construction and operation of transport means and systems		[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_W06] has an organized knowledge on engineering methods and design tools allowing the conducting of projects within the construction and operation of means and systems of transport		The student had knowledge of engineering methods and design tools in the field of construction and operation of transport means and systems		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_W07] has a general knowledge on humanities, social and economical sciences. Knows the rules of creating the forms of personal entrepreneurship and economic activity, has knowledge on the protection of intellectual property rights and industrial property rights and copyrights		He acquired general knowledge of the humanities, social and economic sciences. He gained knowledge on shaping modern forms of individual entrepreneurship and on the protection of industrial and intellectual property and copyright law.		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
Subject contents	TRANSPORT MARKET AND ITS CHANGES CHARACTERISTICS OF INDIVIDUAL MARKETS (road, rail, air, inland water, sea, urban) TRANSPORT AND LOGISTIC POINTS (ports, intermodal terminals, logistics centers) CUSTOMERS' TRANSPORT NEEDS AND MARKET RESEARCH COMPETITION IN THE MARKET OF TRANSPORT SERVICES MODELING OF COMPETITIVENESS, I.E. THE ABILITY TO COMPETE IN THE TRANSPORT MARKET (factors of competitiveness of seaports) STATE INTERVENTIONISM IN THE MARKET OF TRANSPORT SERVICES STRATEGIES FOR THE OPERATION AND DEVELOPMENT OF THE TRANSPORT SERVICES MARKET CH RISKS IN TRANSPORT!!!!!! !!! E-LOGISTICS (E-SERVICES) TRENDS IN THE TRANSPORT MARKET						
Prerequisites and co-requisites	basic knowledge of economics and management						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	lecture	60.0%	50.0%
	project	60.0%	50.0%
Recommended reading	Basic literature	Griffin R. Podstawy zarządzania organizacjami Wydawnictwo naukowe PWN, Warszawa 2004.  D. Rucińska, Rynek usług transportowych w Polsce, PWE, Warszawa 2015.  T. Rokicki, Rynek usług spedycyjnych, Wydawnictwo SGGW, Warszawa 2016.  G Biesok, Logistyka usług, CeDeWu, Warszawa 2016.  E. Gołębska, Z. Bentyn, M. Gołębski, Logistyka usług, PWN, Warszawa 2017.	
	Supplementary literature	W. Rydzkowski, Usługi logistyczne. Teoria i praktyka, Biblioteka Logistyczna  A. Szymonik, D. Chudzik, Logistyka nowoczesnej gospodarki magazynowej, Difin, Warszawa 2018.  Marketing usług logistycznych, red. nauk. G. Rosa. M. Jedliński, U. Chraćchol-Barczyk, Wydawnictwo C. H. Beck, Warszawa 2017.  M. Boguszewicz-Kreft, Zarządzanie doświadczeniem klienta w usługach, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2009.	
	eResources addresses	Adresy na platformie eNauczanie: Analiza rynków transportowych - Moodle ID: 44442 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44442">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44442</a> Analiza rynków transportowych (PG_00056234), W, TiL, sem. 06, letni 24/25 - Moodle ID: 44935 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44935">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44935</a>	
Example issues/ example questions/ tasks being completed	challenges facing transport - climate (volcanoes, warming), air, water, energy, noise, waste, piracy, Brexit, effects of the pandemic, smart technologies, bottlenecks in transport, reverse logistics shortage of containers increase in sea transport prices, last mile and first mile logistics Hyperloop in the transport of people and goods (vacuum railway), transport sharing, drone transport, full subway automation, additive manufacturing (3D printing) impact on the supply chain inland water transport, adaptation of point infrastructure (port services, transport of construction materials, waste, water tourism - Tricity-Hel, Szczecin-Świnoujście), KEP industry (courier, express and parcel shipments), intelligent packaging, autonomous public transport, maintaining the strong position of Polish carriers, small transport fleet of Polish maritime owners, global vs Polish trends in the field of transport infrastructure, decrease in demand for rail and inland transport - moving away from coal technologies in the energy sector, air medica		
Work placement	Not applicable		

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