



Subject card

Subject name and code	History of Transport, PG_00056488						
Field of study	Mechanical and Medical Engineering, Mechatronics, Mechanical Engineering, Transport and Logistics, Power Engineering, Management and Production Engineering, Design and Construction of Yachts, Naval Architecture and Offshore Structures						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Division of Marine Auxiliary Machinery -> Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Daniel Piątek				
	Teachers		dr inż. Daniel Piątek				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
	eNauczanie source addresses: Moodle ID: 2118 HISTORIA TRANSPORTU, przedmiot humanistyczny WIMiO on-line PG_00056488, sem 1, zima, 2026/27 https://enauczanie.pg.edu.pl/2025/course/view.php?id=2118						
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	15		1.0		9.0	25
Subject objectives	The lecture aims to provide important knowledge of the development of means of transport, from the earliest times to the present day, with prognosis for the coming years.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications		The student characterizes the development of transport systems from a historical perspective, explaining their impact on economic, social, and legal transformations, and identifying the interdependencies between the evolution of transport technologies and the formation of civilizational structures.		[SW2] Assessment of knowledge contained in presentation		
	[K6_U71] is able to apply knowledge from humanities, social sciences, economics, or law to solve problems		The student is capable of conducting a critical analysis of the historical development of transport routes and modes, drawing on knowledge from the fields of economic history and sociology, in order to identify the socio-economic causes and consequences of past transport crises and to propose alternative approaches to resolving them.		[SU2] Assessment of ability to analyse information		
	[K6_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment		The student is able to explain, using historical examples, how knowledge from the humanities, social sciences, economics, or law has influenced the development of transport systems and their functioning within a social environment.		[SK5] Assessment of ability to solve problems that arise in practice		

Subject contents	<p>Course content – lecture</p> <p>Introductory news</p> <ul style="list-style-type: none"> - causes and development of transport in human history; - technical conditions of particular types of transport; - peak performance of individual modes of transport; <p>Water - sea transport:</p> <ul style="list-style-type: none"> - antiquity (Egypt, Phoenicians, Greeks, Romans); - Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers); - modernity (technical progress, passenger shipping, warships); <p>Water transport - inland:</p> <ul style="list-style-type: none"> - rafting down the Vistula in the history of Poland; - Polish folk boatbuilding; - historical shaping of the Gdańsk Water Junction; <p>Railway transport:</p> <ul style="list-style-type: none"> - the beginnings of railways in the world; - spectacular railway achievements (records, railroad in the US, Orient Ekspres) - the beginnings of railways in Poland; - development of railways in Poland (mechanization, electrification, Pm36-01, Lux Torpeda) - the historical development of the Gdańsk Railway Junction (bridges in Tczew, Żuławska Access Railway, Magistrała Węglowa) 		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	attendance	80.0%	100.0%

Recommended reading	Basic literature	<p>Batchelor J. i Chant Ch., Encyklopedia statków żaglowych od 2000 p.n.e. do 2007 n.e., Warszawa 2006</p> <p>Cieślak E., (red. Pracy zbiorowej) Historia budownictwa okrętowego na Wybrzeżu Gdańskim, Gdańsk 1972</p> <p>Drapella Z., Zdobnictwo okrętów, Gdańsk, 1969</p> <p>Kozłowski B., Dzieje okrętu, Katowice, 1956</p> <p>Lech A., Architektura statków i okrętów, projektowanie i konstrukcja, Gdańsk 2010</p> <p>Litwin J., Morskie dziedzictwo Gdańska, Gdańsk 1998</p> <p>Mickiewicz M., Z dziejów żeglugi, Warszawa 1971</p> <p>Urbański P., Pędniki okrętowe. Historia i rozwój, Gdańsk 2001</p> <p>Smolarek P., Dawne żaglowce, Gdynia 1963</p> <p>Smolarek P., Zabytki szkutnictwa skandynawskiego, Gdańsk 1963</p>
	Supplementary literature	no
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Practical activities within the subject	Not applicable	

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