



## Subject card

Subject name and code	History of Transport, PG_00056489						
Field of study	Mechatronics, Mechanical Engineering, Transport and Logistics, Design and Construction of Yachts, Naval Architecture and Offshore Structures						
Date of commencement of studies	October 2024	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	1	Language of instruction				Polish	
Semester of study	1	ECTS credits				1.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Daniel Piątek				
	Teachers						
Lesson types and methods of instruction	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						
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		2.0		8.0	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_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems		The student is able to identify key moments in the development of transport systems			[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject	
	[K6_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications		Based on historical knowledge, the student is able to determine the directions of development of means of transport			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation	
	[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		Based on the historical development of transport means and systems, the student is able to determine its impact on the social, economic and environmental aspects of human life			[SK5] Assessment of ability to solve problems that arise in practice	

Subject contents	<p>Introductory news</p> <ul style="list-style-type: none"> <li>- causes and development of transport in human history;</li> <li>- technical conditions of particular types of transport;</li> <li>- peak performance of individual modes of transport;</li> </ul> <p>Water - sea transport:</p> <ul style="list-style-type: none"> <li>- antiquity (Egypt, Phoenicians, Greeks, Romans);</li> <li>- Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers);</li> <li>- modernity (technical progress, passenger shipping, warships);</li> </ul> <p>Water transport - inland:</p> <ul style="list-style-type: none"> <li>- rafting down the Vistula in the history of Poland;</li> <li>- Polish folk boatbuilding;</li> <li>- historical shaping of the Gdańsk Water Junction;</li> </ul> <p>Railway transport:</p> <ul style="list-style-type: none"> <li>- the beginnings of railways in the world;</li> <li>- spectacular railway achievements (records, railroad in the US, Orient Ekspres)</li> <li>- the beginnings of railways in Poland;</li> <li>- development of railways in Poland (mechanization, electrification, Pm36-01, Lux Torpeda)</li> <li>- the historical development of the Gdańsk Railway Junction (bridges in Tczew, Żuławska Access Railway, Magistrala Węglowa)</li> </ul>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	attendance	60.0%	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>Lech A., Architektura statków i okrętów, projektowanie i konstrukcja, Gdańsk 2010</p> <p>Lincoln, P.: Morze i cywilizacja. Morskie dzieje świata. PIW, 2022</p> <p>Litwin, J.: Polskie szkutnictwo ludowe XX w. Marpress 1995</p> <p>Durham, K.: Łodzie wikingów. Wyd. Napoleon V, 2019</p>
	Supplementary literature	<p>Łopuszko, T.: Starożytne bitwy morskie. Wydawnictwo Morskie, 1992</p> <p>Drzemczewski J., Ślebioda T.: Transatlantyki polskie. Wyd POWR, 2006</p>
	eResources addresses	<p>Podstawowe</p> <p><a href="https://jacek.kwasniewski.org.pl/media/Sredniowieczne_statki_handlowe.pdf">https://jacek.kwasniewski.org.pl/media/Sredniowieczne_statki_handlowe.pdf</a> - Kwaśniewski Jacek: Medieval merchant ships</p> <p>Adresy na platformie eNauczenie:</p>
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>- the impact of energy demand on the historical development of transport branches;</li> <li>- differences in the construction of ancient trading and combat units;</li> <li>- comparison of Viking and Slavic boat designs;</li> <li>- development of navigation techniques and shipbuilding during the period of great geographical discoveries;</li> <li>- directions of development of cruiser-type units;</li> </ul>	
Work placement	Not applicable	