



## Subject card

Subject name and code	History of Transport, PG_00056488						
Field of study	Management and Production Engineering						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			e-learning		
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	dr inż. Daniel Piątek					
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: 15.0						
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	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_K01] feels the need for self-realization by learning throughout life, is looking for modern and innovative solutions in their actions, is able to think creatively and act in an entrepreneurial way						
	[K6_U11] is able to identify and formulate simple engineering tasks related to the diagnostics of the technical condition of machines and devices using appropriate methods, techniques and tools						
	[K6_W12] has detailed, theoretically founded knowledge of methods and techniques used in production quality control processes, statistical process control, modern techniques and measurement systems in quality assurance and information techniques in production systems						

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
	test	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>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 szklenictwa skandynawskiego, Gdańsk 1963</p>
	Supplementary literature	no
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	