

## 於。GDAŃSK UNIVERSITY 奶 OF TECHNOLOGY

## Subject card

Subject name and code	History of Transport, PG 00056489								
Field of study	Ocean Engineering								
Date of commencement of studies	<u> </u>		Academic year of realisation of subject			2022/2023			
Education level	first-cycle studies		Subject group						
Mode of study			Mode of delivery			at the university			
Year of study			Language of instruction			Polish			
Semester of study	1		ECTS credits			1.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Faculty of Ocean Eng								
Name and surname	Subject supervisor		dr inż. Daniel Piątek						
of lecturer (lecturers)	Teachers							-	
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	15.0	0.0	0.0	0.0		0.0	15	
	E-learning hours inclu	ided: 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		SUM	
	Number of study hours	15		2.0		8.0		25	
Subject objectives	The lecture aims to put times to the present of				ent of m	neans o	f transport, fro	m the earliest	
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_U07] applies knowledge on humanities, social and economical science in solving problems		the student is able to determine the impact transport transformations on human life			[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject			
	[K6_K02] can work in a team, assuming various roles, can act in a rational and ethical way		The student is aware of the positive and negative apexes of social development related to the fulfillment of transport needs in the historical aspect			[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills			
	[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		The student is able to apply in practice the basic methodologies of the humanities: logic and historical truth			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects			

<ul> <li>causes and development of transport in human history;</li> <li>ischnical conditions of particular types of transport;</li> <li>peak performance of individual modes of transport;</li> <li>peak performance of individual modes of transport;</li> <li>water - sea transport:</li> <li>antiquity (Egypt, Phoenicians, Greeks, Romans);</li> <li>Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers);</li> <li>Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers);</li> <li>modernity (technical progress, passenger shipping, warships);</li> <li>Water transport - inland:</li> <li>rating down the Vistula in the history of Poland;</li> <li>Polish folk boatbuilding;</li> <li>historical shaping of the Gdańsk Water Junction;</li> <li>Railway transport:</li> <li>the beginnings of railways in the world;</li> <li>spectacular railway achievements (records, railroad in the US, Orient Ekspress)</li> <li>the beginnings of railways in Poland;</li> <li>development of railways in Poland;</li> <li>development of railways in Poland;</li> <li>development of railways in Poland;</li> <li>the historical development of the Gdańsk Railway Junction (bridges in Tozew, Żuławska Access Railway, Magistraia Wiglowa)</li> </ul>	Subject contents	Introductory news						
technical conditions of particular types of transport;     pask performance of individual modes of transport;     pask performance of individual modes of transport;     antiquity (Egypt, Phoenicians, Greeks, Romans);     antiquity (Egypt, Phoenicians, Greeks, Romans);     Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers);     modernity (technical progress, passenger shipping, warships);     modernity (technical progress, passenger shipping, warships);     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the history of Poland;     rating down the Vistula in the bistory of Poland;     rating down the Vistula in the bistory of Poland;     rating down the Vistula in the bistory of Poland;     rating down the Vistula in the bistory of Poland;     rating down the Vistula in the bistory of railways in the world;     spectacular railway transport;     the beginnings of railways in Poland,     development of railways in Poland,     development of railways in Poland (mechanization, electrification, Pm36-01, Lux Torpeda)     meb historical development of the Gdafask Railway Junction (bridges in Tczew. Zuławska Access Railway.     Magiarala Weglowa)	Subject contents							
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	Prerequisites							
		Subject passing criteria Passing threshold Percentage of the final grade						
	and criteria							

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