

## SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

## Subject card

Subject name and code	History of Transport, PG_00056488								
Field of study	Mechanical and Medical Engineering								
Date of commencement of studies	October 2022		Academic year of realisation of subject			2022/2023			
Education level	first-cycle studies		Subject group						
Mode of study	Full-time studies		Mode of de	elivery		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	Faculty of Ocean Eng	ineering and S	hip Technolog	у					
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	uded: 0.0							
Learning activity and number of study hours	Learning activity	rning activity Participation in di classes included plan		Participation in consultation hours		Self-study SUM		SUM	
	Number of study hours	15			1.0			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_K02] he/she is aware of importance of professional dealing and to fulfill ethics obligations, he/ she understands other (non- technical) abilities of mechanical engineering professional, their influence on the society and security of environment, he/she is aware of importance of social cooperation					[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills			
	[K6_W11] he/she is aware of social and juridical rules and general rules of creation and developing of individual entrepreneurship, business and quality management		Student potrafi zastosować w praktyce podstawowe metodologie nauk humanistycznych: logika oraz prawda historyczna			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects			
	[K6_K01] he/she knows his/her proficiencies and his/her limitations in performing professional tasks, he/she is aware of needing to improve his/ her skills through the whole life, he/she has entrepreneurship and innovation skills, he/she is aware of engineering skills from the society point of view		The student is able to determine the impact of transport transformations on human life			[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills			

<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							
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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					