GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	History of Transport, PG_00056488		
Field of study	Management and Production 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 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	Faculty of Ocean 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	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_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	The student is able to determine the impact of transport changes on human life	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject
[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	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_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	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

Subject contents	Introductory news - causes and development of transport in human history; - technical conditions of particular types of transport; - peak performance of individual modes of transport; Water - sea transport: - antiquity (Egypt, Phoenicians, Greeks, Romans); - Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers); - modernity (technical progress, passenger shipping, warships); Water transport - inland: - rafting down the Vistula in the history of Poland; - Polish folk boatbuilding; - historical shaping of the Gdańsk Water Junction; Railway transport: - the beginnings of railways in the world; - spectacular railway achievements (records, railroad in the US, Orient Ekspress) - 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, Magistrala Węglowa)
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	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	

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