

## Subject card

History of Transport, PG_00056488							
Management and Production Engineering							
October 2023		Academic year of realisation of subject			2023/2024		
first-cycle studies		Subject group					
Full-time studies		Mode of delivery			e-learning		
1		Language of instruction			Polish		
1		ECTS credits			1.0		
general academic profile		Assessment form			assessment		
Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology							
Subject supervisor		dr inż. Daniel Piątek					
Teachers		dr inż. Daniel Piątek					
Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0		0.0	15
E-learning hours inclu	uded: 15.0						
Learning activity			Participation in consultation hours		Self-study SUN		SUM
Number of study hours	15		1.0		9.0		25
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.							
Course outcome		Subject outcome			Method of verification		
realization by learning through life, is looking for modern innovative solutions in the actions, is able to think cr							
[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							
	Management and Pro October 2023  first-cycle studies  Full-time studies  1  general academic pro Institute of Naval Arc Subject supervisor Teachers  Lesson type Number of study hours  E-learning hours inclu Learning activity  Number of study hours  The lecture aims to p times to the present of  Course out [K6_K01] feels the n realization by learnin life, is looking for mo innovative solutions actions, is able to tin and act in an entrepo [K6_U11] is able to in formulate simple end tasks related to the of the technical condition machines and device appropriate methods and tools [K6_W12] has detail theoretically founded of methods and tech in production qualitiva processes, statistica control, modern tech measurement syster assurance and inforr	Management and Production Engine October 2023  first-cycle studies  Full-time studies  1  general academic profile  Institute of Naval Architecture -> Factor Subject supervisor  Teachers  Lesson type Lecture Number of study hours  E-learning hours included: 15.0  Learning activity Participation in classes included plan  Number of study hours  The lecture aims to provide important times to the present day, with prognt important times to the present day, with prognt Course outcome  [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	Management and Production Engineering  October 2023  Academic y realisation  first-cycle studies  Full-time studies  Mode of dead of the Language of L	Academic year of realisation of subject first-cycle studies  Full-time studies  Mode of delivery  Language of instructio  Language of instructio  ECTS credits  general academic profile  Institute of Naval Architecture -> Faculty of Mechanical Engineeri Assessment form  Institute of Naval Architecture -> Faculty of Mechanical Engineeri dr inż. Daniel Piątek  Lesson type  Lecture  Lesson type  Lecture  Tutorial  Laboratory  Number of study hours  E-learning hours included: 15.0  Learning activity  Participation in didactic classes included in study plan  Number of study hours  The lecture aims to provide important knowledge of the developm times to the present day, with prognosis for the coming years.  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Daniel Piątek  Lesson type  Lecture  Tutorial  Laboratory  Project  Seminar  Number of study  hours  E-learning hours included: 15.0  Learning activity  Participation in didactic  classes included in study  plan  Number of study  hours  The lecture aims to provide important knowledge of the development of means of transport, fit times to the present day, with prognosis for the coming years.  Course outcome  Subject outcome  Method of ve  Method

Data wygenerowania: 12.04.2025 04:04 Strona 1 z 3

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;						
	Deliah felluha ethuildiran						
	- 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	Subject passing criteria — Descine threshold — Descentage of the final grade						
and criteria	Subject passing criteria Passing threshold Percentage of the final grade test 60.0% 100.0%						
	1 1						

Data wygenerowania: 12.04.2025 04:04 Strona 2 z 3

Recommended reading	Basic literature	Batchelor J. i Chant Ch., Encyklopedia statków żaglowych od 2000				
Recommended reading	Dasic illerature	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				
		Noziowski B., Dzieje okiętu, Natowice, 1930				
		Lech A., Architektura statków i okrętów, projektowanie i konstrukcja, Gdańsk 2010				
		Guarisk 2010				
		Litwin J., Morskie dziedzictwo Gdańska, Gdańsk 1998				
		Mickiewicz M., Z dziejów żeglugi, Warszawa 1971				
		Urbański P., Pędniki okrętowe. Historia i rozwój, Gdańsk 2001				
		orbanski i ., i çanıkı oktçtowe. Filstoria i 102woj, Odansk 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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Data wygenerowania: 12.04.2025 04:04 Strona 3 z 3