



Subject card

Subject name and code	Technology of production and manufacturing of Means of Transport, PG_00056209						
Field of study	Transport and Logistics						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			2.0		
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. Ryszard Pyszko					
	Teachers	dr inż. Ryszard Pyszko					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
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	30	3.0		17.0		50
Subject objectives	The aim of the lectures is to familiarize students with the technology of construction and production of means of transport in terms of their selection for the implementation of transport technologies.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] has an organized knowledge on design, construction and operation of means and systems of transport	The student has knowledge of the general construction of means of transport with particular emphasis on the loading part			[SW1] Assessment of factual knowledge		
	[K6_W06] has an organized knowledge on engineering methods and design tools allowing the conducting of projects within the construction and operation of means and systems of transport	The student has knowledge of the general production of means of transport with particular emphasis on the loading.			[SW1] Assessment of factual knowledge		
	[K6_W08] has knowledge regarding the principles of sustainable development	The student is able, on the basis of general knowledge in the field of transport, to select appropriate measures to minimize the environmental impact at optimal costs.			[SW1] Assessment of factual knowledge		
Subject contents	1. General information - reminder 2. The New Silk Road Globalization 4.0 3.Transport technology 4.Means of road transport 5. DMC and axle loads 6. Means of transport used to transport oversized items 7. Types of food transport vehicles (ATP) 8. Means of railway transport 9.Construction and selection of the wagon 10. Means of water transport 11.Sea transport system13.Air Transport 14.Space transportation						
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	Websites: - manufacturers of means of transport,- thematic magazines,- transport conferences
	Supplementary literature	Ladunkoznawstwo_konspekt.pdf Wytyczne_dotyczace_etykiet_logistycznych_GS1.pdf pkp-cargo_katalog-wagonow_3008_19
	eResources addresses	Adresy na platformie eNauczenie: Technologia budowy i wytwarzania środków transportu,sem.5,W, zima, 23/24(PG_00056209) - Moodle ID: 32734 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=32734
Example issues/ example questions/ tasks being completed	Explain the concepts of transport technology, transport technologies (3)? In terms of alternative use of transport technology, rank the means of transport in economic terms?	
Work placement	Not applicable	