GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Specifics of the container transport system, PG_00056215		
Field of study	Transport and Logistics		
Date of commencement of studies	October 2022	Academic year of realisation of subject	2024/2025
Education level	first-cycle studies	Subject group	
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	5.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Ship Manufacturing Technology, Quality Systems and Materials Science -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Ryszard Pyszko	
	Teachers		

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	30.0	60

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	60	10.0	55.0	125

Subject objectives

The aim of education is to provide graduates with the knowledge of the functioning of modern transport, in particular: the operation of transport systems, engineering infrastructure and means of transport and traffic engineering and transport traffic associated with the container transport system

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U05] can formulate a simple engineering task and its specification within the range of design, construction and operation of means and systems of transport	The student is able to work out issues related to the preparation of transport documentation, determine the requirements of cargo securing and meet the convention requirements	[SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information
[K6_W05] has an organized knowledge on design, construction and operation of means and systems of transport	The student learns about the construction of a transport unit - a container, methods of securing the container, methods of securing cargo in the container and the permissible loads of the container.	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge

Subject contents

Features container transport system: packaging of cargo, marking of cargo, marking of cargo - unit. Description of individual items of cargo as the port of the production process. The definition of the container. General classification of container. Parameters Series I of ISO containers. Containers "land / sea". Types of damage caused by the possible movements of cargo in containers. Choosing the right type of container. Features packs with container transport. Rules stowage of containers and cargo containers. Types of dunnage. Features of the pallet for use in containers.
Definition of the availability of transport and transport accessibility determinants. The detailed characterization of transport accessibility Gdańsk port, the port of Gdynia, Szczecin and Swinoujscie.

Prerequisites and co-requisites

Knowledge from subject:

Ładunkoznawstwo TW.9402.1.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
paper test	50.0%	50.0%
seminar - presentation	50.0%	50.0%

Recommended reading	Basic literature	1. Transport. Praca zbiorowa pod red. W. Rydzkowskiego i K. Wojewódzkiej-Król, Wydawnictwo Naukowe PWN, Warszawa 2006. 2. Technologie transportowe XXI wieku. Praca zbiorowa pod red. L. Mindura. ITE, Warszawa-Radom 2008. 3. Jankowski Stefan *Opakowania transportowe* Poradnik Wyd. Naukowo-Techniczne, Warszawa 2007 4.Wiśnicki Bogusz Vademecum Konteneryzacji Formowanie kontenerowej jednostki ładunkowej. Wyd. Link I Maciej Węgliński, 2006 Wydanie I
	Supplementary literature	1. Usługi logistyczne. Praca zbiorowa pod red. W. Rydzkowskiego, IliM, Poznań 2007.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	1. The characteristics of the typical containers used in global container transport 2. General description of the methods for determining the efficiency of container transport systems 3. The main problems of container transport	
Work placement	Not applicable	