



## 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 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			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	mgr inż. Dariusz Duda 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	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_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.			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
	[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			[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task		
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 Swinoujście.						
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		
	seminar - presentation	50.0%			50.0%		
	paper test	50.0%			50.0%		

Recommended reading	Basic literature	<p>1. Transport. Praca zbiorowa pod red. W. Rydzkowskiego i K. Wojewódzkiej-Król, Wydawnictwo Naukowe PWN, Warszawa 2006.</p> <p>2. Technologie transportowe XXI wieku. Praca zbiorowa pod red. L. Mindura. ITE, Warszawa-Radom 2008.</p> <p>3. Jankowski Stefan <i>Opakowania transportowe</i> Poradnik Wyd. Naukowo-Techniczne, Warszawa 2007</p> <p>4. Wiśnicki Bogusz <i>Vademecum Konteneryzacji Formowanie kontenerowej jednostki ładunkowej</i>. Wyd. Link I Maciej Węgliński, 2006 Wydanie I</p>
	Supplementary literature	1. Usługi logistyczne. Praca zbiorowa pod red. W. Rydzkowskiego, IliM, Poznań 2007.
	eResources addresses	<p>Adresy na platformie eNauczenie:</p> <p>Specyfika kontenerowego systemu transportu, W, Sem.5, zima 23/24 (PG_00056215) - Moodle ID: 32735  <a href="https://enauczenie.pg.edu.pl/moodle/course/view.php?id=32735">https://enauczenie.pg.edu.pl/moodle/course/view.php?id=32735</a></p>
Example issues/ example questions/ tasks being completed	<p>1. The characteristics of the typical containers used in global container transport</p> <p>2. General description of the methods for determining the efficiency of container transport systems</p> <p>3. The main problems of container transport</p>	
Work placement	Not applicable	