



Subject card

Subject name and code	Cargo Determination, PG_00045220						
Field of study	Transport and Logistics, Transport and Logistics						
Date of commencement of studies	October 2020		Academic year of realisation of subject		2021/2022		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Marine Mechatronics -> Faculty of Ocean Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Agnieszka Maczyszyn				
	Teachers		dr inż. Agnieszka Maczyszyn				
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						
	Adresy na platformie eNauczanie: Ładunkoznawstwo, W, TiL, sem.04,letni 21/22 (PG_00045220) - Moodle ID: 22400 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22400						
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		2.5		17.5	50
Subject objectives	Knowledge of the classification of types of goods, the quality characteristics of goods, the criteria for the division and classification of cargo, knowing the resistance of cargo for transport and storage, understanding the rules of transport of dangerous goods and their classification.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W08] has knowledge regarding the principles of sustainable development		take active part in discussions		[SW1] Assessment of factual knowledge		
	[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		Knowledge of cargo resistance during transport and storage, including hazardous cargos		[SU2] Assessment of ability to analyse information		
	[K6_W05] has an organized knowledge on design, construction and operation of means and systems of transport		Knowledge of cargo classification, cargo quality, criteria of cargo classification		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Basic definitions: transport, transportatin process, commodities, science of commodities, cargo, science of cargo, quality, standaryzation, unification; cargo vulnerability; Cargo classification; Physical and chemical propeties of cargo; Biochemical properties of cargo; external impact on cargo; packaging; cargo units; cargo containers; classification of containers; Packaging marking; main loading technique: Lo - Lo, Ro - Ro, Pump in - Pump out; Cranes: types, characteristics, capacities; traveling cranes; lift trucks; store equipment: lift, wagon tippers; cargo holders; loading techniques and cargo protection on the transport vehicles.						
Prerequisites and co-requisites	Principles od machine design						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Colloquia - 3 in the semester		55.0%		100.0%		

Recommended reading	Basic literature	<p>Szarnow R.: Ładunkoznawstwo okrętowe, Wyd. WSM Gdynia 1996</p> <p>Nierzwicki W.: Opakowania, Wyd. WSM Gdynia 1996</p> <p>Korzeniowski A.: Zarządzanie gospodarką magazynową, PWE 1997</p> <p>Grzybowisk L.: Kontenery w transporcie morskim, Wyd. Trademar Gdynia 1999</p> <p>Gubiła M.: Podstawy zarządzania magazynem w przykładach, Biblioteka logistyka Poznań 2002 Wiśnicki B.: Vademecum konteneryzacji, Link 2006</p>
	Supplementary literature	Karpiel Ł., Skrzypek M.: Towaroznawstwo ogólne, Wyd. Akademii Ekonomicznej 2000
	eResources addresses	Ładunkoznawstwo, W, TiL, sem.04,letni 21/22 (PG_00045220) - Moodle ID: 22400 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22400
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	