



Subject card

Subject name and code	Computer Graphics, PG_00056217						
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	6		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. Jacek Nakielski				
	Teachers		dr inż. Jacek Nakielski				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	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		2.0		18.0	50
Subject objectives	Preparation of a model design of elements used in sea and land transport.						
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 knows destiny elements modeled to storage of goods.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_W07] has a general knowledge on humanities, social and economical sciences. Knows the rules of creating the forms of personal entrepreneurship and economic activity, has knowledge on the protection of intellectual property rights and industrial property rights and copyrights		Uses known methods modeling to create basic elements.		[SW3] Assessment of knowledge contained in written work and projects		
	[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 uses the software functions to obtain the expected end result.		[SW3] Assessment of knowledge contained in written work and projects		

Subject contents	List of topics and issues: - Entry. - Modeling a plastic container. - Modeling a wooden pallet. - Modeling a euro pallet. - Making a model of the hinge element. - Hinge construction. - Barrels and spill tub. - Covered tank. - System: shaft + bearing + snap ring. - A simple hull model. - Model using sheet metal. - Any model.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		50.0%	100.0%
Recommended reading	Basic literature	Dobrzański T., Rysunek techniczny maszynowy. Stasiak F., Autodesk Inventor 2020. Zbiór Ćwiczeń. Kurs podstawowy.	
	Supplementary literature	websites - www.youtube.com/playlist?list=PLbsxxP9mUzuU9MrdTBKEeu5huaJHSOorc - www.procad.pl/kategoria-artykulu/inventor/	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Zamodelowanie elementu na podstawie rysunku technicznego.+ 		
Work placement	Not applicable		