



Subject card

Subject name and code	, PG_00056283						
Field of study	Ocean Engineering						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024		
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	3		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. Michał Krężelewski				
	Teachers		dr inż. Michał Krężelewski				
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		4.0		16.0	50
Subject objectives	The introduction to the basic issues of the ship theory.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U03] can use computer-aided design, production and operation tools for ocean technology objects and systems		The student can use the methods of computer aided design, production and operation of ocean engineering objects and systems.		[SU5] Assessment of ability to present the results of task		
	[K6_W08] has knowledge of the principles of sustainable development		The student has knowledge of the principles of sustainable development.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems		The student has structured knowledge of the design, construction and operation of ocean engineering facilities and systems.		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	<ul style="list-style-type: none">Basics of experiment and model test in shipbuilding.Ship resistance: components of resistance, methods of determining.Gravity waves: division, parameters.Equations of motion of a ship in rough water.The theory of the ideal propellerHull and propeller interaction.						
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	J.Dudziak: Teoria Okreću A.Zborowski: Opór okreću
	Supplementary literature	Skrypty laboratoryjne IOiO
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	