



Subject card

Subject name and code	, PG_00056300						
Field of study	Ocean Engineering						
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		3.0		
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. Artur Karczewski				
	Teachers		dr inż. Tomasz Hinz				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	30.0	0.0	45
	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	45		5.0		25.0	75
Subject objectives	The aim is to familiarize students with modern concepts of ship damage stability assessment, computational methods and formal requirements applicable to various types of ships.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W06] has an organized knowledge on engineering methods and design tools allowing the conducting of projects within the construction and operation of ocean technology objects and systems		The student knows and is able to use the tool within the scope of the subject.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_K03] understands non-technical aspects and effects of operation as an engineer, its influence on the environment and is aware of the responsibilities for the decisions taken		The student understands various aspects of an engineer's work.		[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work		
	[K6_U06] in compliance with a formulated specification and with the aid of appropriate tools and methods, is able to complete a simple engineering task within the range of design, construction and operation of ocean technology objects and systems		The student is able to perform simple engineering tasks in the field of ship design.		[SU1] Assessment of task fulfilment		
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems		The student has the knowledge of the subject.		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	As above						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Report		100.0%		100.0%		

Recommended reading	Basic literature	SOLAS Convention Stockholm Agreement
	Supplementary literature	Evangelos Boulougouris, Jakub Cichowicz, Andrzej Jasionowski, Dimitris Konovessis, Improvement of ship stability and safety in damaged condition through operational measures: Challenges and opportunities, Ocean Engineering, Volume 122, 2016, Pages 311-316, https://doi.org/10.1016/j.oceaneng.2016.06.010 .
	eResources addresses	Adresy na platformie eNauczanie: Projektowanie okrętów III - Moodle ID: 37388 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37388
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	