



## Subject card

Subject name and code	, PG_00056271						
Field of study	Design and Construction of Yachts						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group					
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	practical 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						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	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		3.0		17.0	50
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_W03	The student has basic knowledge of yacht hydrodynamics.			[SW1] Assessment of factual knowledge		
	K6_U05	The student is able to formulate a simple engineering problem in the field of damage stability.			[SU1] Assessment of task fulfilment		
	K6_W04	The student has basic knowledge of computer sciences.			[SW1] Assessment of factual knowledge		
	K6_W06	The student has knowledge of methods and tools in the field of damage stability.			[SW1] Assessment of factual knowledge		
Subject contents	<ul style="list-style-type: none"><li>deterministic concept of ship damage stability assessment;</li><li>probabilistic concept of ship damage stability assessment;</li><li>assumed mass method and constant volume method for determining stability parameters in a damage condition;</li><li>regulations specifying damage stability requirements, including the SOLAS Convention and the Stockholm Agreement.</li></ul>						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Test	51.0%			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, <a href="https://doi.org/10.1016/j.oceaneng.2016.06.010">https://doi.org/10.1016/j.oceaneng.2016.06.010</a> .
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	