

## Subject card

Subject name and code	, PG_00056281								
Field of study	Ocean Engineering								
Date of commencement of studies	October 2021		Academic year of realisation of subject			2022/2023			
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	2		Language of instruction			Polish			
Semester of study	3		ECTS credits			2.0	2.0		
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Zakład Mechaniki Konstrukcji Oceanotechnicznych -> Institute of Ocean Engineering and Ship Technolo > Faculty of Mechanical Engineering and Ship Technology						p Technology -		
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Wołoszyk						
	Teachers	dr inż. Krzysz							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	oject Semina		SUM	
	Number of study hours	30.0	0.0	0.0	0.0			30	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity Participation ir classes include plan				Self-study SUM		SUM		
	Number of study hours	30		4.0		16.0		50	
Subject objectives	To acknowledge students with:  - structures of sea-going ships;  - loads acting on ship hulls;  - requirements of rules of classification and construction of ships;  - stresses in ship hull structures.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems		Student has knowledge regarding ship structures			[SW1] Assessment of factual knowledge			
	[K6_W08] has knowledge of the principles of sustainable development		Student has knowledge regarding impact of environmental conditions on the degradation of ship structures			[SW1] Assessment of factual knowledge			
	[K6_U03] can use computer-aided design, production and operation tools for ocean technology objects and systems		Student knows the computational tools and methods used in analysis of ship structures			[SU3] Assessment of ability to use knowledge gained from the subject			

Data wydruku: 27.07.2024 05:23 Strona 1 z 2

	Wassalanda III i i							
Subject contents	Wave loads on ship structures.							
	Design loads on ship structures.  Stresses in ship structures (general, zone and local strength) and criteria of sufficient strength.  General information on Polish Register of Shipping Rules for Classification and Design of Ships, Part II, Hull.  Hull structure of typical sea going cargo ship (double or single bottom, sides, decks, bulkheads, forepeak, afterpeak, ice strengthenings, foundations for engines, superstructures and deckhouses.							
Prerequisites	Knowledge of problems discussed during lectures on:							
and co-requisites								
	- mathematics for engineers;  - techncal drawings;							
	- mechanics;							
	- strength of materials.							
Assessment methods	Cubicat accion oritoria	Descine threehold	Davage of the final grade					
and criteria	Subject passing criteria kolokwium	Passing threshold 60.0%	Percentage of the final grade 100.0%					
Decempeded reading	Basic literature	1						
Recommended reading	Basic literature Robert Taggart(Editor), Ship Design and Construction, The soc. Of Nav. Arch. And Marine Eng., New York,1980.							
		S.Wewiórski, K.Wituszyński, <i>Konstrukcja stalowego kadłuba okrętowego</i> , Wyd. Morskie Gdańsk, 1977.						
	Polski Rejestr Statków, Publikacja Nr 45/P, <i>Anali.</i>							
		zmęczeniowej stalowego kadłuba statku, Gdańsk, 1988.						
		D.M.Faltinsen, Sea Loads on Ship and Offshore Structures, Cambr.						
	Univ. Press, 1990.							
		PRS rules.						
	Supplementary literature internet							
	eResources addresses Adresy na platformie eNauczanie:							
Example issues/	Ship class concept. Characteristic division of hulls of sea-going ships. Distribution of loads on hulls of sea-							
example questions/	going ships.							
tasks being completed								
	Not applicable							

Data wydruku: 27.07.2024 05:23 Strona 2 z 2