

GDAŃSK UNIVERSITY

Subject card

Subject name and code	, PG_00056285							
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	4		ECTS credits			3.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Zakład Mechaniki Konstrukcji Oceanotechnicznych -> Institute of Ocean Engineering and Ship Technology - > Faculty of Mechanical Engineering and Ship Technology							
Name and surname	Subject supervisor		dr inż. Krzysztof Wołoszyk					
of lecturer (lecturers)	Teachers		dr inż. Krzysztof Wołoszyk					
			mgr inż. Pawe	eł Bielski				
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	30.0	15.0	0.0	0.0		0.0	45
	E-learning hours inclu	uded: 0.0						
Learning activity and number of study hours	Learning activity	Participation ir classes includ plan	n didactic .ed in study	Participation in consultation hours		Self-study		SUM
	Number of study hours	45		5.0		25.0		75
Subject objectives	To acknowledge students with further topics of ship structures: strength of primiary supporting members, fatigue strength, buckling of structural elements and determination of sea loads							
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 specific requirements regarding ship structures			[SW1] Assessment of factual knowledge		
[K6_U05] can formulate a simple engineering task and its specification within the range of design, construction and operati of ocean technology objects and systems			Student is able problems rega requirements	e to establish arding structura of ship hull stru	al uctures	[SU2] Assessment of ability to analyse information		
Subject contents	Stregth of PSM, fatigue strength, buckling, sea loads.							
Prerequisites and co-requisites	Student should have basic knowledge on theory of ships, technical mechanics, design materials, technical drawings and lectures on ship structures from semesters III and IV.							
Assessment methods	Subject passing criteria		Passing threshold			Percentage of the final grade		
and criteria	test (in written form)		60.0%			100.0%		

Recommended reading	Basic literature	As above (in Polish) and:.				
		1. Polski Rejestr Statków, Rules for Classification and <i>Construction of Sea-going Ships,,Part.II Hull,</i> Gdańsk, 2011.				
		2. Polski Rejestr Statków, Rules for Classification and Construction of Sea-going Ships,,Part.III Hull Equipment, Gdańsk, 2007.				
		 Polski Rejestr Statków, Rules for Classification and Construction of Yachts. 				
		4. Det Norske Veritas, Rulet for Classification of Mobile Offshore Units.				
		5. IACS, Common Structural Rules for Bulk Carriers, 2006.				
		6. IACS, Common Structural Rules for Bulk Tankers, 2006.				
	Supplementary literature	1. Det Norske Veritas, <i>Rulet for Classification of Mobile Offshore Units</i> . S.Wewiórski, <i>Wyposażenie kadłuba okrętowego</i> , Wydawnictwo Morskie, Gdańsk, 1971.				
		2. S.Wewiórski, <i>Wyposażenie kadłuba okrętowego</i> , Wydawnictwo Morskie, Gdańsk, 1971.				
		3. IACS, Common Structural Rules for Bulk Carriers and Oil Tankers, 2014.				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	Describe the problems of strength of primiary supporting members, fatigue strength, buckling of structural elements and determination of sea loads					
Work placement	Not applicable					