

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Project 3, PG_00041784								
Field of study	Ocean Engineering, Ocean Engineering								
Date of commencement of studies	October 2020		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	3		Language of instruction			Polish			
Semester of study	5		ECTS credits			3.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Katedra Mechaniki Konstrukcji -> Faculty of Ocean Engineering and Ship Technology								
Name and surname	Subject supervisor		dr inż. Krzysztof Wołoszyk						
of lecturer (lecturers)	Teachers		dr inż. Krzysztof Wołoszyk mgr inż. Leszek Samson						
Lessen types and mathada	Losson type	Locture	Tutorial	Laboratory	Drojec	+	Sominar	SLIM	
of instruction	Number of study hours	0.0	0.0	0.0	30.0	ι	0.0	30	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in stu- plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	30		5.0		40.0		75	
Subject objectives	To teach students des hull structure is design	signing of ship ned.	hull structures	by performing	a desigi	n excer	cise where a	part of ship	

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 understands influence of requirements concerning ship's stability, ability to float in flooded conditions, properties of ship propulsion system, sea keeping properties and characteristics of materials used – on ship hull structure. Student knows basic requirements of Classification Societies Rules. Student understands problem of strength of ship hull structures(predicting stress values, buckling and fatigue strength analysis. Student is able to make sketches showing typical arrangements of ship hull structures.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects				
	[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	Student is able to propose configuration and arrangement of basic elements forming a ship hull structure and find their scantlings that fulfill the criteria of strength.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject				
	[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	Student knows structures of typical floating objects and understands restrictions indicating from criteria to be fulfilled (stability, strength, technoligical aspects) and knows basic methods of strength analysis.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects				
Subject contents	Lecturer shows reasonable arrangement of basic structural elements of a similar structure, performs some computations to obtain required dimensions of the elements and their welded connections. Students may discuss with lecturer any technical problems related to their designed structure.						
Prerequisites and co-requisites	Student should have knowledge on ship hull structures collected at lectures in semesters III and IV.						
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	concernment of the design eversion						
Recommended reading	Basic literature	 M.Bogdaniuk, Lectures on ship hull structures. Polski Rejestr Statków, Rules for classification and construction of sea-going ships, Part II - Hull, 2019. 					
	Supplementary literature	1S.Wewiórski, K.Wituszyński, <i>Konstrukcja stalowego kadłuba okrętowego</i> , Wyd. Morskie Gdańsk, 1977(in polish).					
	eResources addresses	Adresy na platformie eNauczanie:					
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable						
thorn placement	nn se s						