

## SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

## Subject card

Subject name and code	Ship Theory 1, PG_00053545								
Field of study	Ocean Engineering, Ocean Engineering								
Date of commencement of studies	October 2020		Academic year of realisation of subject			2021/2022			
Education level	first-cycle studies		Subject group			Optional subject group Subject group related to scientific research in the field of study			
Mode of study	Part-time studies		Mode of delivery			at the university			
Year of study	2		Language of instruction			Polish			
Semester of study	4		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Hydromechanics and Hydroacoustics -> Faculty of Mechanical Engineering and Ship Technology								
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Michał Krężelewski							
	Teachers		dr inż. Michał Krężelewski						
	mgr inż. Hanna Pruszko								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	10.0	0.0	10.0	0.0		0.0	20	
	E-learning hours included: 0.0								
	Adresy na platformie eNauczanie:								
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	20		0.0		0.0		20	
Subject objectives	knowledge: 1) basic phenomena and issues in the field of swimming mechanics, 2) methods of determination - forecasting hydromechanical properties floating objects.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_W08] has knowledge of the principles of sustainable development		nowledge of: 1) principles of modeling hydromechanical phenomena, 2) essential hydromechanical reactions induced on the flowing body, 3) determining the hydromechanical resistance of a vessel floating on calm water.		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects				
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems		knowledge of: 1) principles of modeling hydromechanical phenomena, 2) essential hydromechanical reactions induced on the flowing body, 3) determining the hydromechanical resistance of a vessel floating on calm water.			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects			

Subject contents Prerequisites and co-requisites	Lecture:equations of motion of fl hydromechanical model tests; hyd	oating object ; hydromechanical su dromechanical resistance of the surf	rface reactions; principles of ace vessel on calm water.			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade			
	Laboratory	100.0%	50.0%			
	Lecture	50.0%	50.0%			
Recommended reading	Basic literature	Dudziak J. ,Teoria okrętu, Gdańsk 2000, Krężelewski M., Hydromechanika okrętu, t.1 Gdańsk 1980.				
	Supplementary literature	<ol> <li>Pr. zb.: Poradnik Okrętowca t.2, Wydawnictwo Morskie, Gdynia 1960.</li> <li>Staliński J.: Teoria okrętu, Wydawnictwo Morskie, Gdańsk 1969.</li> </ol>				
Example issues/ example questions/ tasks being completed						
Work placement	Not applicable					