



## 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 Pruszeko					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	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	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		
	[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	<b>Lecture:</b> equations of motion of floating object ; hydromechanical surface reactions; principles of hydromechanical model tests; hydromechanical resistance of the surface vessel on calm water.		
Prerequisites and co-requisites			
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	1. Pr. zb.: Poradnik Okrętowca t.2, Wydawnictwo Morskie, Gdynia 1960.  2. Staliński J.: Teoria okrętu, Wydawnictwo Morskie, Gdańsk 1969.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		