



## Subject card

Subject name and code	, PG_00056261						
Field of study	Design and Construction of Yachts						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to practical vocational preparation		
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			4.0		
Learning profile	practical profile	Assessment form			assessment		
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Maciej Reichel					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	0.0	0.0	60
	E-learning hours included: 0.0						
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	60		10.0		30.0	100
Subject objectives	To teach students on hydrodynamics in sailing yacht design and on the interaction between aero and hydrodynamics.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_W06				[SW3] Assessment of knowledge contained in written work and projects		
	K6_U03				[SU4] Assessment of ability to use methods and tools		
	K6_U05				[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task		
	K6_W05				[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Theory of aero and hydrodynamic forces on sailing yacht.						
	Interactions between aero and hydrodynamic forces on sailing yacht.						
Prerequisites and co-requisites	Basics of hydrodynamics.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	sprawozdania z laboratorium		60.0%		50.0%		
	lista obecności		85.0%		50.0%		
Recommended reading	Basic literature		Larsson, Eliasson - Principles of yacht design				
	Supplementary literature		Marchaj - Theory of sailing				
	eResources addresses						

Example issues/ example questions/ tasks being completed	Maeasurements of forces on a sailing yacht model.  Measurements of forces on sailing yacht keel.
Work placement	Not applicable