

Subject card

Subject name and code	Theory of Sailing 1, PG_00056261								
Field of study	Design and Construction of Yachts								
Date of commencement of studies	October 2022		Academic year of realisation of subject			2024/2025			
Education level	first-cycle studies		Subject group						
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. Michał Krężelewski						
	Teachers								
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project		Seminar	SUM	
	Number of study	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 classes includ	n didactic ed in study	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_W05					[SW3] Assessment of knowledge contained in written work and projects			
	K6_U05					[SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information			
	K6_U03					[SU4] Assessment of ability to use methods and tools			
	K6_W06					[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		Pass	Passing threshold			Percentage of the final grade		
	lista obecności		85.0%			50.0%			
	sprawozdania z laboratorium		60.0% 50.0%						
Recommended reading	Basic literature		Larsson, Eliasson - Principles of yacht design						
	Supplementary literature		Marchaj - Theory of sailing						
	eResources addresses		Adresy na platformie eNauczanie:						

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