



Subject card

Subject name and code	Introduction to Ocean Technology, PG_00060500						
Field of study	Design and Construction of Yachts						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study 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	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute Of Naval Architecture -> Faculty Of Mechanical Engineering And Ship Technology -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Artur Karczewski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		3.0		17.0	50
Subject objectives	The aim of the course is to give the basic concepts of the construction of sailing and motor yachts in a synthetic approach ('from general to specific'). The course will prepare students for a better understanding of the discussed issues while studying various specialist subjects in a more analytical approach during further studies in the department. Some of the lectures will be conducted by the professionals from industry.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U04] has skills that allow for self-education and preparation for work in an industrial environment, including the application of occupational health and safety rules		The student has the necessary skills for self-education and preparation for work in an industrial environment, including the application of occupational health and safety rules.		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W05] has well-organised knowledge in the field of design, construction, and operation of yachts		The student has structured knowledge in the field of design, construction and operation of yacht facilities.		[SW1] Assessment of factual knowledge		
	[K6_K01] is aware of the need of constant improvement within the range of the possessed job and knows the possibilities of further education		Knowledge of the need for continuous self-improvement		[SK4] Assessment of communication skills, including language correctness		
Subject contents	1) Introduction to the subject2) General 3) Typology4) Evolution of the yacht5) Architecture of the yacht6) Yacht construction7) Yacht propulsion9) Yacht equipment and fittings9) Yacht installation10) Rigging & sails11) Legal environment						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Test	60.0%	100.0%
Recommended reading	Basic literature	1. L. Larsson, R. E. Eliasson, M. Orych Principles of yacht design 2. Cz. Marchaj Sailing theory & practice 3. N.L. Skene Elements of Yacht Design	
	Supplementary literature	1. Rules for the Classification and Construction of Sea-going Yachts, p: I VII, PRS 2. Rules for the Classification and Construction of Motor Boats, p: I- VI, PRS	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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