GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Sailing Equipment and Rigging, PG_00056258		
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	2.0
Learning profile	practical profile	Assessment form	assessment
Conducting unit	Institute Of Naval Architecture -> Faculty Of Mechanical Engineering And Ship Technology -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Artur Karczewski	
	Teachers	Jan Sierzputowski dr inż. Artur Karczewski	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	15.0	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 familiarize with the basic types of sailing equipment and rigging currently used in the yacht industry; methods and specificity of designing and selecting these elements both at the design stage and when finishing the yacht.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_W06	The student has structured knowledge of engineering methods and design tools enabling the implementation of projects in the field of construction and operation of yachts	[SW1] Assessment of factual knowledge
K6_U05	The student is able to formulate a simple engineering task and its specificity in the field of designing, manufacturing and operating yachts	[SU2] Assessment of ability to analyse information
K6_W03	Student has basic knowledge of hydromechanics, thermodynamics, machine construction, ecology, material science and electrical engineering necessary to understand the principles of yacht construction and operation.	[SW1] Assessment of factual knowledge

Subject contents

Types of sailing equipment and rigging elementsThe specificity of designing and selecting elements of sailing equipment and rigging

Prerequisites and co-requisites

Course Sails design passad

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Test	51.0%	100.0%

Recommended reading	Basic literature	L. Larsson, R. E. Eliasson, M. Orych: Podstawy projektowania jachtów Z. J. Milewski, Projektowanie i budowa jachtów żaglowych J. W Dziewulski, Wiadomości o jachtach żaglowych Cz. Marchaj, Teoria żeglowania Hydrodynamika kadłuba
	Supplementary literature	FRIEDRICH LUDWIG MIDDENDORF, THE MASTING AND RIGGING OF SHIPS
	eResources addresses	Adresy na platformie eNauczanie: Osprzęt żaglowy i takielunek ed.2024 - Moodle ID: 42611 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=42611
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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