GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Rigging Design and Construction, PG_00056260		
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	3.0
Learning profile	practical profile	Assessment form	assessment
Conducting unit	Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Artur Karczewski	
	Teachers	mgr inż. Leszek Samson 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	5.0	10.0	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	5.0	40.0	75

Subject objectives

The aims of the course are to teach students with the issues of rigging design and basic computational methods in rigging construction.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_U05	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	[SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment
K6_W05	The student has structured knowledge in the field of design, construction and operation of yachts	[SW1] Assessment of factual knowledge
K6_U03	The student is able to use methods of computer aided design, production and operation of yachts	[SU4] Assessment of ability to use methods and tools
K6_W06	The student is able to formulate a simple engineering task and its specificity in the field of designing, manufacturing and operating yachts	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge

<table>
<tr><td>Subject contents</td><td>- Basic definitions and concepts in rigging design

- Materials

- Selection of loads

- Scantling of the rigging

- Scantling of the masts

- Installation and exploitation</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Test</td><td>60.0%</td><td>75.0%</td></tr>
<tr><td>Project</td><td>100.0%</td><td>25.0%</td></tr>
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</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>Przepisy PRS

Przepisy DNV</td></tr>
<tr><td>Supplementary literature</td><td>PRS Rules

DNV Rules</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:
Projektowanie i konstruowanie takielunku ed.2024 - Moodle ID: 42612
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=42612</td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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