GDAŃSK UNIVERSITY OF TECHNOLOGY

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 2026	Academic year of realisation of subject	2026/2027
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 -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Artur Karczewski	
	Teachers		

Lesson types

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 profesionalists from industry.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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
[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_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.	[SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information

Subject contents

Course content – lecture

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

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><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>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>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</td></tr>
<tr><td>Supplementary literature</td><td>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</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2"></td></tr>
<tr><td>Practical activites within the subject</td><td colspan="2">Not applicable</td></tr>
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