GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Technology of Steel Yachts Production, PG_00045071		
Field of study	Ocean Engineering, Ocean Engineering		
Date of commencement of studies	October 2020	Academic year of realisation of subject	2022/2023
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	general academic profile	Assessment form	assessment
Conducting unit	Department of Ship Manufacturing Technology, Quality Systems and Materials Science -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Janusz Kozak	
	Teachers	prof. dr hab. inż. Janusz Kozak mgr inż. Alicja Bera	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	15.0	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	15.0	50

Subject objectives

Activity deals with tasks of manufacturing of metallic hull of smal water crafts. Problems of materials, basic manufacturing processes in this industrial measurement, transport and joining will be presented

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U05] can formulate a simple engineering task and its specification within the range of design, construction and operation of ocean technology objects and systems	Student is able to formulate key topics for realised task and defines milestones for its realisation	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems	Student recognizes and knows issues and physical processes in relations to deigned object	[SW1] Assessment of factual knowledge
[K6_W06] has an organized knowledge on engineering methods and design tools allowing the conducting of projects within the construction and operation of ocean technology objects and systems	Student apply known methods and tools to solving the raised problem	[SW1] Assessment of factual knowledge
[K6_K03] understands non-technical aspects and effects of operation as an engineer, its influence on the environment and is aware of the responsibilities for the decisions taken	Student is able to asses of the environmental impact of technical activities	[SK5] Assessment of ability to solve problems that arise in practice

<table>
<tr><td>Subject contents</td><td>Scope of subject:

repetition on metallic material properties,

corrosion of steel and alluminium alloys,

problems of processing of steel and aluminium,

problems of joining steel with aluminium,

selected problems of manufacturing of thin structures from steel and aluminium.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Basic knowledge on metallic material properties as well as mechanic of materials</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>graded assignment of lecture</td><td>50.0%</td><td>50.0%</td></tr>
<tr><td>graded assignment of project</td><td>75.0%</td><td>50.0%</td></tr>
</table>
</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>1. Introduction to steel shipbuilding, McGraw-Hill Book Comp. 1953</td></tr>
<tr><td>Supplementary literature</td><td>Journals like:

Miesięczniki typu: Ship & Boat International, Superyacht Business,etc.</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:
Technologia budowy jachtów metalowych , W/P, Oceanotechnika, sem.5, zimowy, 22/23, (O:098310) - Moodle ID: 23794
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=23794</td></tr>
</table>
</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
</table>