GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Ship Production Technology 3, PG_00045094		
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	6	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Ryszard Pyszko	
	Teachers	dr inż. Mohamed Behilil mgr inż. Alicja Bera dr inż. Ryszard Pyszko	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	15.0	0.0	45

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	45	5.0	25.0	75

Subject objectives

Familiarisation with deterioration of condition of ships, examples of failures and its consequences. Selected problems of particular technological shipyard processes during repairing or conversion. Chosen aspects of preparation of shipyard production as well as quality checking

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U04] has self-education skills in order to improve professional qualifications, is ready to work in industrial environment, adheres to HSE rules and regulations	Student is able properly select published papers for analysed problems	[SU2] Assessment of ability to analyse information
[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 define of scope and methodology of elaboration of specification for review of technical condition of ship	[SU1] Assessment of task fulfilment
[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	Project of space section elaborated by student in scope preliminary defined by tutor	[SW3] Assessment of knowledge contained in written work and projects
[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems	Student knows reasons for degradation of technical condition of ship, possible types of failures as well as procedure for its repearing	[SW1] Assessment of factual knowledge

<table>
<tr><td>Subject contents</td><td>Reasons for deterioration of condition of ships, examples of failures and its consequences.

Systems of surveying of ships and preventional repearing processes

Repearing shipyard - structure and its specific

Systems and tools for moving up of floating objects

Processess of docking

Selected problems of particular technological shipyard processes during repairing or conversion. Chosen aspects of preparation of shipyard production as well as quality checking</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge on structure of diffferent types of ships as well as technology of its erection</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>lecture</td><td>60.0%</td><td>50.0%</td></tr>
<tr><td>project</td><td>90.0%</td><td>50.0%</td></tr>
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</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Piero Cardis - "INSPECTION, REPAIR AND MAINTENANCE OIF SHIP STRUCTURES - WITHERBY</td></tr>
<tr><td>Supplementary literature</td><td>Rules of Classification - Det Norske Veritas

Shiprepair and convertion technology- quartely</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:
Technologia budowy okrętów III, P, W, Oce,sem 05, lato 22/23, PG_00045094 - Moodle ID: 29097 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29097
Technologia budowy okrętów III, P, W, Oce,sem 05, lato 22/23, PG_00045094 - Moodle ID: 29097 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29097</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>
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