



Subject card

Subject name and code	Ship Production Setup, PG_00056430						
Field of study	Ocean Engineering						
Date of commencement of studies	October 2021	Academic year of realisation of subject				2023/2024	
Education level	first-cycle studies	Subject group				Optional subject group 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	3	Language of instruction				Polish	
Semester of study	6	ECTS credits				2.0	
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. Karol Niklas					
	Teachers	dr inż. Karol Niklas					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	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	<p>Target of classes is to familiarise students with preparation of ship erection processes, especially with scope and content of its documentation, as fundamental for proper erection process performance.</p> <p>During classes student on the base of literature study, standards as well as shipyard procedures elaborates set of basic technological documentation for selected structural element like panel.</p>						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems	Student is able to join knowledge from different areas to elaborate raised task			[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 recognizes and knows issues and physical processes in relations to designed object			[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		
	[K6_U06] in compliance with a formulated specification and with the aid of appropriate tools and methods, is able to complete a simple engineering task 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		

Subject contents	<ul style="list-style-type: none"> • Design and technological preparation of manufacturing • Splitting of erection process on phases, stages and tasks • Preparation of technological documentation - type of documents • labour demand assessment 								
Prerequisites and co-requisites	<p>Classes delivered in previous semesters:</p> <p>- Technologia Budowy Okrętów I (O:098010)</p> <p>- Technologia Budowy Okrętów II (O:098011)</p> <p>- Technologia Budowy Okrętów-III (O:098012)</p>								
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 501 799 528">Subject passing criteria</th> <th data-bbox="804 501 1139 528">Passing threshold</th> <th data-bbox="1144 501 1492 528">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 535 799 562">project</td> <td data-bbox="804 535 1139 562">100.0%</td> <td data-bbox="1144 535 1492 562">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	project	100.0%	100.0%		
Subject passing criteria	Passing threshold	Percentage of the final grade							
project	100.0%	100.0%							
Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. E. Baker III: Introduction to Steel Shipbuilding, McGraw-Hill 1953 2. Kuzminow S.: Swarocznyje deformacji sudowych konstrukcji. Sudostrojenije 1974. 3. Wiebeck E.: Technologie des Schiffskorperbaus. Technik Berlin 1980. 							
	Supplementary literature	Journals: Ship & Boat International, Superyacht Business, etc.							
	eResources addresses	Adresy na platformie eNauczanie: Przygotowanie Produkcji Okrętowej, P, sem.6, lato23/24, PG_00056430 - Moodle ID: 37173 https://enauzanie.pg.edu.pl/moodle/course/view.php?id=37173							
Example issues/ example questions/ tasks being completed	<p>Elaborate of timeschedule (Gannts diagramm) for elaboration of 10 panels module in one month</p> <p>explain following definitions: organisation of production process, classification of professions, division of hull structure on classes, standard of work.</p>								
Work placement	Not applicable								