



Subject card

Subject name and code	Project 4, PG_00041790						
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		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		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. Karol Niklas				
	Teachers		mgr inż. Alicja Bera dr inż. Mohamed Behilil				
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		40.0	75
Subject objectives	Elaboration of technological procedure for block of ship for paarticular shipyard						
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 presents systematised knowledge on manufacturing processess in shipyard and is able to generate indyvidual project of block assembly		[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 presents general knowledge on manufacturing processess in shipyard and is able to generate computer model of block		[SW2] Assessment of knowledge contained in presentation		
	[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 create 3D model as well as assembly drawings basing upon delivered documentation 2D		[SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		

Subject contents	Analysis of input data		
	Creation of 3D model of block of ship with particular structural and technological aspects		
	Procedure for transport of block (additional stiffeners, hook handlers..etc.)		
	Generation of completion list of assembled block		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	project	50.0%	100.0%
Recommended reading	Basic literature	G. Farin, J. Hoschek, M. Kim: Handbook of computer aided geometric design, 2002 Elsevier,ISBN: 978-0-444-51104-1	
	Supplementary literature	Solid Edge manual	
	eResources addresses	Adresy na platformie eNauczanie: Praca projektowa IV, P, Oce, lato 22/23 PG_00041790 - Moodle ID: 29066 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=29066 Praca projektowa IV, P, Oce, lato 22/23 PG_00041790 - Moodle ID: 29066 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=29066	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		