



Subject card

Subject name and code	, PG_00041856						
Field of study	Ocean Engineering, Ocean Engineering						
Date of commencement of studies	October 2020	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	Part-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish Polish		
Semester of study	7	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Zakład Wyposażenia Okrętu -> Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Wojciech Litwin					
	Teachers	dr hab. inż. Leszek Matuszewski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	20.0	0.0	20
	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	20	5.0		50.0		75
Subject objectives	Mastering basic skills in the construction and operation of ocean engineering facilities and systems.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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	The student knows selected tools for design work. The student is able to perform design work.			[SW3] Assessment of knowledge contained in written work and projects		
	[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	The student is able to perform a simple design task.			[SU1] Assessment of task fulfilment		
	[K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems	The student has structured knowledge in the area of design, construction and operation			[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Design work: preparation of a concept for solving the task, selection of the best concept. Performing calculations and design work.						
Prerequisites and co-requisites	Knowledge and skills in the area of mechanics, engineering graphics and the basics of machine construction.						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	design work	55.0%			100.0%		
Recommended reading	Basic literature	Books connected with CAD/CAM software.					
	Supplementary literature	none					
	eResources addresses	Adresy na platformie eNauczanie:					

Example issues/ example questions/ tasks being completed	Anchor winch design. Power transmission system design. Gear design.
Work placement	Not applicable