

Subject card

Subject name and code	Engineering Graphics, PG_00060525								
Field of study	Naval Architecture and Offshore Structures								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2023/2024			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	1		Language of instruction			Polish			
Semester of study	1		ECTS credits			4.0			
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. Daniel Piątek						
	Teachers		mgr inż. Ewa Wojtowicz						
			dr inż. Daniel Piątek						
			dr inż. Wojciech Leśniewski						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	:t	Seminar	SUM	
	Number of study hours	30.0	0.0	0.0	30.0		0.0	60	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation i classes including				Self-st	tudy	SUM	
	Number of study hours	60		6.0		34.0		100	
Subject objectives	- Development of spatial imagination,								
	- Understanding the rules for the implementation of technical documentation,								
	- Ability to perform drawing sketches of machine components,								
	- Ability to perform technical drawings;								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_W04] has knowledge in the field of computer science, electronics, electrical engineering, automation and control, information technology, computer graphics, useful for understanding the possibilities of their use in ocean engineering		The Student proficiently uses design-aided software (AutoCAD) and uses it to prepare 2D drawing documentation			[SW1] Assessment of factual knowledge			
	[K6_U01] can obtain information from literature, databases and other sources, can verify and organize the obtained information, interpret them and form conclusions and justified opinions		The Student is able to prepare 2D drawing documentation (projections, dimensions) of spatial solids and machine parts in accordance with the applicable RT rules			[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment			

Data wydruku: 11.05.2024 20:45 Strona 1 z 2

Subject contents	LECTURE and TURTORIALS						
	- The role of engineering graphics, basics of normalization,						
	 Projections of parallel, rectangular and axonometric, Point, line, plane, determination, common points, specyfic locations, Solids of revolution and polyhedrons, puncture, cut, penetration, Views, examples, cross-sections, Dimensioning of components, dimensional tolerance, determination of the surface condition, Types of drawings, graphic form sheet, rules for the design documentation; 						
Prerequisites and co-requisites							
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	project - tech. drawings	60.0%	50.0%				
	lecture - colloquium	60.0%	50.0%				
Recommended reading	Basic literature	DOBRZAŃSKI, T.: Rysunek techniczny maszynowy. WNT, 2004 MIERZEJEWSKI, W.: Geometria wykreślna. Rzuty Monge'a. Oficyna Wyd. P. War.,2006					
	Supplementary literature	-					
	Resources addresses Adresy na platformie eNauczanie:						
		Grafika inżynierska (P), OiKM (PG_00060525), sem. 1, zimowy 23/24 - Moodle ID: 31430 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31430 Grafika inżynierska (P), OiKM (PG_00060525), sem. 1, zimowy 23/24 - Moodle ID: 31430 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31430 Grafika inżynierska (P), OiKM (PG_00060525), sem. 1, zimowy 23/24 - Moodle ID: 31430 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31430					
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable						

Data wydruku: 11.05.2024 20:45 Strona 2 z 2