

## 关。GDAŃSK UNIVERSITY 多 OF TECHNOLOGY

## Subject card

Subject name and code	, PG_00041833								
Field of study	Ocean Engineering, Ocean Engineering								
Date of commencement of studies	October 2020		Academic year of realisation of subject			2020/2021			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
Mode of study	Part-time studies		Mode of delivery			at the	at the university		
Year of study	1		Language of instruction			Polish	Polish		
Semester of study	2		ECTS credits			4.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Marine Mechatronics -> Faculty of Ocean Engineering and Ship Technology								
Name and surname of lecturer (lecturers)	Subject supervisor		mgr inż. Tomasz Pająk						
	Teachers		mgr inż. Tomasz Pająk						
		mgr inż. Dariusz Duda							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	10.0	0.0	0.0	30.0		0.0	40	
	E-learning hours included: 0.0								
	Adresy na platformie eNauczanie: Grafika Inżynierska 2021 Z - Moodle ID: 12589 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=12589								
Learning activity and number of study hours			n didactic Participation in led in study consultation hours		Self-study		SUM		
	Number of study hours	40		5.0		55.0		100	
Subject objectives	Acquainting with the elements of executive drawing and engineering drawing. Presentation of the possibility of creating technical documentation based on graphic programs.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[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		Ability to exercise technical documentation in based on available standards drawing.			[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools			
	[K6_W04] has a basic knowledge in IT, electronics, automation and control, computer graphics useful to understand the possibilities of their application in ocean technology		Ability to use the Autocad and Inventor environment to create technical documentation			[SW1] Assessment of factual knowledge			
Subject contents	Getting to know the Autocad and Inventor software. Basic commands and operations needed to execute 2D drawing and assembly drawing. Constructing 3D models Construction of simple assemblies in a 3D environment Creating technical documentation in an electronic version from the assigned axonometric views.								
Prerequisites and co-requisites	Positive pass of the subject Engineer's Graphics I. Ability to handwritten sketches and simple technical drawings.								
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade			
	lecture		60.0%			40.0%			
	exercises	xercises 60.0% 60.0%							

Recommended reading	Basic literature	<ol> <li>Machine technical drawing by Tadeusz Dobrzański</li> <li>Technical drawing in mechanics and mechanical engineering Paw Romanowicz</li> <li>Technical drawings Krzysztof Filipowicz, Mariusz Kuczaj, Aleksano Kowal</li> <li>Basics of the technical drawing by Jan Burcan</li> <li>AutoCad 2019 First steps Andrzej Pikoń</li> </ol>				
	Supplementary literature	Autodesk Inventor 2014, The official textbook				
	eResources addresses	Grafika Inżynierska 2021 Z - Moodle ID: 12589 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=12589				
	Complete the detail drawing of the detail. Complete the assembly / assembly assembly drawing					
Work placement	Not applicable					