GDAŃSK UNIVERSITY 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 university
Year of study	1	Language of instruction	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	Project	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

Learning activity	Participation in didactic classes included in study plan	Participation in 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	60.0%	60.0%

Recommended reading	Basic literature	1. Machine technical drawing by Tadeusz Dobrzański 2. Technical drawing in mechanics and mechanical engineering Paweł Romanowicz 3. Technical drawings Krzysztof Filipowicz, Mariusz Kuczaj, Aleksander Kowal 4.Basics of the technical drawing by Jan Burcan 5.AutoCad 2019 First steps Andrzej Pikoń
	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
Example issues/ example questions/ tasks being completed	Complete the detail drawing of the detail. Complete the assembly / assembly assembly drawing	
Work placement	Not applicable	