GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team project, PG_00059379						
Field of study	Mechanical Engineering						
Date of commencement of studies	February 2024		Academic year of realisation of subject	2024/2025			
Education level	second-cycle studies		Subject group	Optional subject group			
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	Zakład Ogrzewnictwa, Wentylacji, Klimatyzacji i Chłodnictwa -> Institute of Energy -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Waldemar Targański				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	18.0	0.0	18
	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	18		8.0	74.0		100
Subject objectives	The aim of the course is to verify the ability to use the acquired knowledge to design and build devices on the basis of technical documentation (assembly drawing and drawings).						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_K04] is able to establish professional contacts and is able to lead and work in a team assuming various roles in the team; is able to show resourcefulness and innovation when realizing professional projects	The student is able to establish professional contacts and is able to lead and work in a team taking on various roles in it; is able to demonstrate entrepreneurship and innovation in the implementation of professional projects.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work
[K7_U08] is able to design a procedural equipment or device compliant with the specifications using a design aid system in the form of a design documentation, selecting the appropriate model, performing critical analysis with the proper selection of tools and technologies	The student is able to design process equipment or a device in accordance with the specification using a design support system in the form of project documentation, with the selection of the right model, making a critical analysis, with the right good tools and techniques.	[SU1] Assessment of task fulfilment
[K7_U04] is able to prepare and present a presentation of a solution of a construction or technological task and results of performed experiments including the analysis of the results and possible changes in Polish or in a foreign language, is able to organize and manage the work of a team, directing the tasks	The student is able to develop and present in Polish or a foreign language a presentation of the solution of the construction and technological task and the results of the conducted research along with the analysis of results and possible changes, is able to organize and direct work in a team by directing tasks.	[SU5] Assessment of ability to present the results of task
[K7_U01] is able to acquire information from specialist literary sources and other sources regarding the construction and operation of machines and related disciplines in polish and in a foreign language, is able to conduct a self-learning process, is able to synthesize the information, form conclusions and justify opinions	The student is able to obtain information from professional literature and other sources in the field of construction and operation of machines and related sciences in Polish and foreign languages and conduct the process of self-education, can synthesize information as well as formulate conclusions and justify opinions.	[SU2] Assessment of ability to analyse information
[K7_K01] is aware of the need for complementing the knowledge throughout the whole life, is able to select proper methods of teaching and learning	The student is aware of the need to supplement knowledge throughout life, is able to choose the right methods of teaching himself and others.	[SK3] Assessment of ability to organize work

Subject contents

Solution of the basic or design problem from the area specified by the tutor. Presentation of results.

Prerequisites and co-requisites

Engineering Mechanics Fluid Mechanics Strength of Materials Materials Fundamentals of Machine Design

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
execution of the project	56.0%	100.0%

Recommended reading

Basic literature	Bibliography advised by the project supervisor.
Supplementary literature	Bibliography advised by the project supervisor.
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

Analysis of tasks, determine the criteria, the choice of solution. Calculation of hydrodynamic and mechanical strength. Create technical documentation.

Work placement

Not applicable