GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar, PG_00055988						
Field of study	Power Engineering, Power Engineering, Power Engineering						
Date of commencement of studies	October 2023		Academic year of realisation of subject	2026/2027			
Education level	first-cycle studies		Subject group	Optional subject group			
Mode of study	Full-time studies		Mode of delivery	at the university			
Year of study	4		Language of instruction	Polish polish			
Semester of study	7		ECTS credits	4.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department of Sanitary Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Sylwia Fudala-Książek					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	15.0	15
	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	15		36.0	49.0		100
Subject objectives	The aim of the course is to enable students to present concisely the work they have completed and the results achieved, including proposed engineering solutions. Students also expand their knowledge of selected topics related to the broadly defined energy sector, including current design and implementation activities.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W08] has basic knowledge in the field of intellectual property protection and patent law, knows and understands the basic processes of energy production and use, knows and understands the principles of modern heating and power systems	Demonstrates the ability to act in accordance with the principles of intellectual property protection and patent law. Knows and understands the basic processes involved in energy generation and utilisation, and can explain the operating principles of modern district heating and electric power systems.	[SW2] Assessment of knowledge contained in presentation
[K6_K02] is able to work in a group taking different roles in it, can think and act in an entrepreneurial way, is aware of responsibility for their own work and responsibility for teamwork	Is able to work effectively in a team, regardless of the role assigned. Demonstrates entrepreneurial thinking and initiative. Is aware of their responsibility for their own work and for the work performed as part of a team.	[SK1] Assessment of group work skills
[K6_U12] can correctly choose tools (analytical or numerical) to solve engineering problems filtration processes, and data analysis; is able to use photogrammetric and remote sensing tools in engineering tasks in the field of geodetic techniques and metrology	Demonstrates the ability to use measurement, analytical, and numerical tools to solve engineering problems and to acquire, filter, process, and analyse data. In addition, the student can apply photogrammetric and remote sensing tools to engineering tasks in the fields of surveying techniques and metrology.	[SU2] Assessment of ability to analyse information
[K6_U13] can read architectural, construction and geodesy drawings, and can use the known computer software to prepare a drawing part of technical documentation for the sanitary, energy, hydropower industry and prepare a text or presentation including a discussion of the implemented results	Is able to read architectural, construction, and surveying drawings and use computer software to prepare the graphical components of technical documentation in the fields of sanitary engineering, energy engineering, and hydropower engineering. In addition, can prepare a written report or presentation discussing the results of a completed task.	[SU1] Assessment of task fulfilment
[K6_K01] is aware of the need for training and self-improvement in the profession of energy and the possibility of further education; can think and act in a creative and entrepreneurial manner; can define priorities for the implementation of an individual or group task	Demonstrates the ability to learn independently and obtain information from literature, databases, and other sources, using information technologies and online resources. Can integrate and interpret the information obtained, draw conclusions, and formulate and justify opinions. Demonstrates creative thinking and an entrepreneurial mindset. Is able to work both individually and as part of a team.	[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice

Subject contents

Course content – seminar

Course Content – Seminar

SEMINAR: Presentation of the principles and requirements for preparing and writing engineering diploma theses. Introduction to soft skills in management, negotiation, and interviewing. Overview of opportunities for self-directed learning and further professional development. Preparation and delivery of papers and presentations on selected topics covering the knowledge acquired throughout the degree programme.

Prerequisites and co-requisites

Knowledge and skills acquired throughout the degree programme.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Presentation on a selected topic covered during the engineering degree programme.	60.0%	100.0%

Recommended reading

Basic literature	1. Przemysław Kierończyk, Andrzej Pułło, 2020. Prace Dyplomowe. Zasady i reguły pisania. Wydawnictwo: Gdańska Szkoła Wyższa; ISBN: 978-83-66270-11-4 2. Literature relevant to the topic of the diploma thesis.
Supplementary literature	Wasylczyk Piotr: Prezentacje naukowe. Praktyczny poradnik dla studentów, doktorantów i nie tylko. 2017 Wydawnictwo Naukowe PWN

	eResources addresses	
Example issues/ example questions/ tasks being completed	Presentation on a selected topic covered during the engineering degree programme.	
Practical activites within the subject	Not applicable	

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