



Subject card

Subject name and code	First Degree Final Project, PG_00042081						
Field of study	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 Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		10.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Institute of Energy -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Jan Wajs				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		10.0		240.0	250
Subject objectives	Preparation by the student of an engineering diploma thesis on the subject and scope defined by the thesis supervisor						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U01] can obtain information from literature and other sources, organize, interpret it and draw and formulate conclusions; has the ability to self-educate, interprets the results of completed engineering tasks, is able to design simple energy systems and their systems	prepares a critical review of the literature and solutions related to the subject of the thesis using publications in Polish or a foreign language. He prepares an oral presentation of his work.	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
	[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	obtains information and data from the literature and other sources on the operation of energy systems	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
	[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 take into account technical and non-technical aspects during the implementation of a task related to various problems of the energy sector.	[SU2] Assessment of ability to analyse information
	[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	prepares a diploma thesis. Can formulate its thesis or hypothesis in relation to current and future problems in the field of energy.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness
	[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	prepares a diploma thesis. Organizes design work in cooperation with others. Performs, with the use of appropriate tools, the necessary models, calculations, research, analyses and comparisons.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice
Subject contents			
Prerequisites and co-requisites	Registration for the diploma semester.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Evaluation of the diploma thesis	56.0%	100.0%
Recommended reading	Basic literature	Literature consistent with the topic of the thesis according to the instructions of the supervisor and the student's independent review of sources	
	Supplementary literature	Literature in line with the topic of the work.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Up-to-date lists of questions for the diploma exam, specific to a given specialty, are available on the Faculty's website.		
Practical activities within the subject	Not applicable		

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