GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar , PG_00057273		
Field of study	Power Engineering, Power Engineering, Power Engineering		
Date of commencement of studies	February 2022	Academic year of realisation of subject	2022/2023
Education level	second-cycle studies	Subject group	Optional subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	2.0
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 hab. inż. Jan Wajs	
	Teachers	dr hab. inż. Jan Wajs	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	0.0	30.0	30

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	30	4.0	16.0	50

Subject objectives

The aim of the subject is to monitor progress in diploma activities. The aim is also to develop the student's ability to present the results obtained and to publicly discuss/defend the proposed solutions.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W09] knows and understands the basic concepts and principles of industrial property protection and copyright law and the need for intellectual property management, is able to use patent information resources	The student understands the meaning of intellectual property and copyright protection, is able to use the resources of patent information.	[SW1] Assessment of factual knowledge
[K7_K03] is able to think and act creatively and entrepreneurially, is aware of the responsibility for his/her own work and takes responsibility for teamwork	The student is able to establish professional contacts and is able to lead a team and work in a group taking various roles in it; can demonstrate entrepreneurship and innovation in the implementation of professional tasks.	[SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work
[K7_U01] is able to acquire information from literature, databases and other sources, has the ability of self-education in order to improve his/her professional competence (also in English), is able to prepare a simple scientific paper and its summary in English, as well as an oral presentation	The student is able to obtain information from professional literature and other sources (also in foreign-language) in the field of machines construction, their operation and related issues, and to conduct a process of self-education. She/he can synthesize gained knowledge as well as formulate conclusions and justify opinions.	[SU2] Assessment of ability to analyse information
[K7_K01] is aware of the necessity of self-education and self-improvement within the scope of his/her occupation as a power engineer and possibilities of further education	The student is aware of the need of continuous learning, is able to choose the appropriate methods of self-learning and teaching the others.	[SK5] Assessment of ability to solve problems that arise in practice

Subject contents

Basic information on intellectual property in European and national levels. Individual student"s work related to the preparation of the subsequent stages of the thesis, the results are presented and evaluated during the seminar.

Prerequisites and co-requisites

knowledge in the fields of thermomechanics, heat transfer and heat exchangers, refrigeration, air conditioning, heat pumps, polygeneration systems

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	discussion	60.0%	50.0%
	presentation	60.0%	50.0%
Recommended reading	Basic literature	1. Dereń A.M., Gajek L., Zygadło J.: Własność intelektualna i przemysłowa w prawie międzynarodowym, europejskim i krajowym. Wyd. Politechniki Wrocławskiej, Wrocław 1998. 2. Lindsay D. Dobre rady dla piszących teksty naukowe. Wyd. Politechniki Wrocławskiej, Wrocław 1995. 3. Kenny P.: Panie Przewodniczący, Panie, Panowie... Wyd. Politechniki Wrocławskiej, Wrocław 1995. 4. Wasylczyk P.: Prezentacje naukowe. Praktyczny poradnik dla studentów, doktorantów i nie tylko. PWN, 2017. 5. Adamkiewicz W.: Seminarium dyplomowe. Wyd. WSM, Gdynia 1985.	
	Supplementary literature	Dąbrowski Ł.: Tajniki wystąpień publicznych. 101 porad dla prezenterów. Wyd. Onepress, 2012	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The questions depend on the topic presented. Tasks being completed: preparing a presentation, presentation of research results and discussion.		
Work placement	Not applicable		