



Subject card

Subject name and code	Diploma Seminar, PG_00055524						
Field of study	Mechanical Engineering						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
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		
Semester of study	7	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Institute of Energy -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Jan Wajs				
	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	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 prepare the student to write a diploma thesis and to monitor his progress in diploma activities.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U02] is able to work in a team and individually, also in multi-disciplinary teams, is able to draw a plan of completing a construction or technological design, shows self-learning abilities	Student is able to cooperate in a group preparing various types of documents and to manage their preparation. Student can also independently develop a conceptual design in the field of thermal or fluid flow machines.	[SU4] Assessment of ability to use methods and tools
	[K6_U01] is able to acquire information from specialized literary sources, databases and other resources, essential for solving engineering tasks; is able to compile the obtained information pieces and to interpret them, additionally is able to form conclusions and present justified opinion	Student knows the principles of written document preparation, including methodology of diploma thesis. The student is able to search, collect and analyze materials used in the process of preparing a thesis.	[SU2] Assessment of ability to analyse information
	[K6_U03] is able to identify, formulate and develop the documentation of a simple design or technological task, including the description of the results of this task in Polish or in a foreign language and to present the results using computer software or other aiding tools	Student can independently prepare a short presentation and perform it to the public. Student is able to present the results of analyzes carried out as part of the engineering diploma and initiate a discussion with the listeners.	[SU5] Assessment of ability to present the results of task
	[K6_K01] is aware of the need for complementing the knowledge throughout the whole life, is able to select proper methods of teaching and learning, critically assesses the possessed knowledge; is aware of the importance of professional conduct and following the rules of professional ethics; is able to show resourcefulness and innovation in the realisation of professional projects	Student follows the rules of ethics when preparing his diploma thesis.	[SK2] Assessment of progress of work
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 from course of thermodynamics, heat transfer, refrigeration, air conditioning, heating, heat pumps, renewable energy sources.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Essay	100.0%	100.0%
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. Politechnika Wrocławska, Wrocław 1995. 3) Kenny P.: Panie Przewodniczący, Panie, Panowie... Politechnika Wrocławska, Wrocław 1995. 4) Adamkiewicz W.: Seminarium dyplomowe. Wyd. WSM, Gdynia 1985.	
	Supplementary literature	no requirements	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		