



Subject card

Subject name and code	Diploma Laboratory, PG_00049436						
Field of study	LABORATORIUM DYPLOMOWE						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2025/2026		
Education level	second-cycle studies		Subject group		Optional subject group Subject group related to practical vocational preparation		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		10.0		
Learning profile	practical profile		Assessment form		assessment		
Conducting unit	Department of Energy Conversion and Storage -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Justyna Łuczak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	200.0	0.0	0.0	200
	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	200		40.0		10.0	250
Subject objectives	The aim of the course is to familiarize the student with the methodology of preparing the scientific work and its oral presentation, as well as preparing the student for the diploma exam.						
	Classes also include familiarizing the student with research methodology and performing laboratory tests.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K7_W03	the student knows and understands the basic processes and phenomena occurring in measuring devices and control systems	[SW1] Ocena wiedzy faktograficznej
	K7_U04	the student is able to use modern techniques to solve engineering tasks	[SU4] Ocena umiejętności korzystania z metod i narzędzi
	K7_W08	the student has extensive knowledge in the design of engineering materials and technological processes	[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym
	K7_U01	the student is able to plan and carry out experiments, interpret the results and draw conclusions	[SU2] Ocena umiejętności analizy informacji
	K7_W02	the student has advanced general knowledge in the field of chemistry, physics, engineering and chemical technology forming the theoretical basis, structured and theoretically based knowledge covering key issues and selected issues in the field of advanced detailed knowledge regarding the production, conversion and modification of functional properties as well as the operation and transmission of energy and its carriers, knows and understands the main development trends in this thematic area	[SW1] Ocena wiedzy faktograficznej
Subject contents	Course content – laboratory Formulating a research problem Selection of research methods Development of experimental research results		
Prerequisites and co-requisites	completed subjects provided for in the study plan		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	research report	80.0%	50.0%
	work during the semester	80.0%	50.0%
Recommended reading	Basic literature	Literature individually selected for the topic of thesis	
	Supplementary literature	NA	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Design and build a measuring station to perform the planned experiments. Develop a measurement methodology. Prepare a methodology for the development of measurement results.		
Practical activities within the subject	Not applicable		

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