



Subject card

Subject name and code	Thesis Laboratory, PG_00052336						
Field of study	Chemistry						
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		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Inorganic Chemistry -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=14893						
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	60		5.0		10.0	75
Subject objectives	Implementation of the experimental part of the diploma thesis						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U10] is able to make a preliminary economic analysis of the engineering activities undertaken		is able to estimate the cost of activities undertaken as part of the implementation of the experimental part of the diploma thesis		[SU1] Assessment of task fulfilment		
	[K6_U82] is able to obtain and process information related to field of study and academic environment in foreign language at B2 level of the Common European Framework of Reference for Languages (CEFR)		is able to obtain information from databases available at the university		[SU2] Assessment of ability to analyse information		
	[K6_U02] can work individually and in a team; he/she can assess the necessary task time and plan and organize individual work and in a small team in a way that ensures the execution of the task within a set deadline		is able to organize individual and team activities necessary to complete the experimental part of the diploma thesis on time		[SU1] Assessment of task fulfilment		
Subject contents	Course content – laboratory As part of the course, students are required to independently plan and organize their laboratory work, using the equipment available in the chemistry lab, in collaboration with their advisor. Students learn to select appropriate research methods and equipment based on the experiment's objectives. They conduct the planned research and then analyze the experimental results. Depending on the objective of the thesis and the research being conducted, students learn various analytical methods for characterizing reaction products, preparing samples for analysis using specialized laboratory techniques, and ensuring their appropriate quality before conducting further research. The final stage involves compiling the experimental data obtained, analyzing it on an ongoing basis, and interpreting it in accordance with accepted standards of engineering and scientific reporting.						
Prerequisites and co-requisites	none						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Assessment of the experimental part of diploma theses	100.0%	100.0%
Recommended reading	Basic literature	depends on the topic of the diploma thesis, original papers available at the databases	
	Supplementary literature	none	
	eResources addresses		
Example issues/ example questions/ tasks being completed	none		
Practical activities within the subject	Not applicable		

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