GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma laboratory I, PG_00066090						
Field of study	Chemistry						
Date of commencement of studies	February 2025		Academic year of realisation of subject	2025/2026			
Education level	second-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	1		Language of instruction	Polish			
Semester of study	2		ECTS credits	2.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department of Pharmaceutical Technology and Biochemistry -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Julia Borzyszkowska-Bukowska					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	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		5.0	15.0	50	
Subject objectives	Completion of the thesis						

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[K7_U04] develops and transmits technical information in the form of text documents, spreadsheets, graphs, technological diagrams and multimedia presentations, and prepares a speech including a multimedia presentation</td><td>The student is able to prepare complete and formally correct documentation of the results of research carried out for their master's thesis, including compiled and interpreted data in the form of textual descriptions, calculations, tables, graphs and diagrams. In addition, they demonstrate the ability to prepare a presentation and deliver an oral presentation discussing in detail the objectives, methodology, results obtained and conclusions drawn from the research project.</td><td>[SU5] Assessment of ability to present the results of task</td></tr>
<tr><td>[K7_U02] prepares detailed documentation of the results of independently conducted experiments and analyzes the obtained results, uses professional vocabulary with understanding and prepares and communicates information</td><td>Student can prepare formal documentation of results using correct and specialised scientific vocabulary in accordance with accepted publication standards. The student interprets and critically analyses analytical and measurement data (e.g. NMR, IR spectra) obtained from their own experiments.</td><td>[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[K7_U05] analyzes the functioning of devices, equipment and technological lines used in laboratories and the chemical industry</td><td>The student is able to analyse the operation and select the operating parameters of devices, apparatus and technological systems used in advanced chemical laboratory work, as well as assess their usefulness and limitations in specific research or technological processes.</td><td>[SU2] Assessment of ability to analyse information</td></tr>
<tr><td>[K7_W04] indicates methods for the synthesis of chemical compounds with defined properties</td><td>The student is able to select and justify a synthesis method in order to obtain a chemical compound with a given structure and physicochemical properties.</td><td>[SW3] Assessment of knowledge contained in written work and projects</td></tr>
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<tr><td>Subject contents</td><td>Course content – laboratory
To be established individually with the thesis supervisor.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Depending on the subject of the thesis.</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td></td><td>100.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>Recommended by the thesis supervisor.</td></tr>
<tr><td>Supplementary literature</td><td>Original works related to the subject of the thesis, available in scientific databases.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>None</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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