GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	PRACTICE, PG_00064461		
Field of study	Chemistry		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study Optional subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	6	ECTS credits	6.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Organic Chemistry -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Monika Gensicka-Kowalewska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	0.0	0.0	0

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	0	5.0	145.0	150

Subject objectives

Gaining practical experience in applying chemical knowledge in a professional environment. The internship is designed to develop practical skills, understand the organization and operation of a workplace, laboratory, or other facility related to chemical activities, familiarize students with teamwork, and improve their skills in performing basic professional activities and tasks while adhering to occupational health and safety principles.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K04] is able to identify and resolve dilemmas related to the chemical engineering profession while respecting traditions and ethical principles	is aware of the importance of making responsible decisions in professional situations and to act in accordance with the principles of professional ethics, respecting applicable norms and standards of work.	[SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice
[K6_U02] determines the time required for the task, plans and organises the work of both the individual and the small team in such a way as to ensure that the task is completed within the set time limit	is able to effectively perform the professional duties assigned, taking into account their priorities, interdependencies and the specific nature of the work environment, both independently and in a team.	[SU1] Assessment of task fulfilment
[K6_U06] analyses the operation of equipment, apparatus and process lines used in laboratories and the chemical industry	is able to use devices and apparatus at the place of internship and assessing their suitability for carrying out assigned professional tasks.	[SU4] Assessment of ability to use methods and tools
[K6_U09] is able to recognise hazards, counteract them and work with chemical reagents and basic technical apparatus in accordance with health and safety principles and the concept of sustainability	is able to safely use the equipment and materials at the place of the practice and respond appropriately in hazardous situations, taking into account health and safety and environmental protection regulations.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools

Subject contents

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Knowledge of basic concepts in chemistry and the ability to apply the knowledge and skills acquired during studies in practice. Knowledge of basic occupational health and safety principles. Willingness to perform assigned tasks, adhere to regulations and work organization at the internship site.</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Written report on the apprenticeship</td><td>60.0%</td><td>50.0%</td></tr>
<tr><td>A certificate of completion</td><td>100.0%</td><td>40.0%</td></tr>
<tr><td>Professional Practice Survey</td><td>100.0%</td><td>10.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">The rules for the implementation of internships by students at chemical department in accordance with the Order of the Rector of Gdańsk University of Technology No. 7/2026 of February 16, 2026 are available at: https://chem.pg.edu.pl/studenci/praktyki-i-staze?check_logged_in=1

OHS instructions, technology and other materials provided by the facility hosting the apprentice.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">No requirements</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">1. Getting to know the workplace: - Location, - Organizational and production structure of the workplace. - Technologies used, raw materials used, origin of raw materials, preparation of raw materials, - apparatus, 2. Getting to know the work of a production shift in one of the departments: - Production conditions in the department, - Knowing the documentation. 3. Getting to know the organization of the technological department (chief technologist): - Responsibility of the chief technologist and technologists, - Technological issues, - Documentation. 4. Problem solving according to the recommendations of the in-house internship tutor. 5. Presentation of the task that the trainee will be able to perform independently during the internship. 6. Selected issues related to materials management, production control, health and safety rules, environmental management. 7. Getting to know the issues of automation, process control and work organization in the plant. 8. Familiarization with projects implemented by the company (in particular with projects financed from EU funds). 9. Getting to know the company's marketing activities.</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="3">Not applicable</td></tr>
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