



Subject card

Subject name and code	PRACTICE, PG_00064461						
Field of study	Chemistry						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
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 to make 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 efficiently perform assigned professional duties, 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 used at the place of practice and in the proper conduct in situations posing a threat, taking into account the principles of occupational health and safety and environmental protection.		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools		
Subject contents							

Prerequisites and co-requisites	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.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written report on the apprenticeship	60.0%	50.0%
	A certificate of completion	100.0%	40.0%
	Professional Practice Survey	100.0%	10.0%
Recommended reading	Basic literature	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.	
	Supplementary literature	No requirements	
	eResources addresses		
Example issues/ example questions/ tasks being completed	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.		
Practical activities within the subject	Not applicable		

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