

Subject card

Subject name and code	Career practical course, PG_00081840						
Field of study	Chemistry						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028	
Education level	Bachelor's studies		Subject group			Obligatory subject group in the field of study 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	3		Language of instruction			Polish	
Semester of study	6		ECTS credits			6.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Faculty of Chemistry -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Justyna Samaszko-Fiertek				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	120.0	0.0	0.0	0.0	120
	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	120		1.0		29.0	150
Subject objectives	- learning the rules of operation of the workplace, - learning the duties and responsibilities of people at particular levels in the unit's management hierarchy, - knowledge of occupational health and safety rules applicable in a given unit, ability to use legal provisions constituting the basis for the operation of the plant, - learning and understanding the need to reliably and honestly fulfill one's duties learning and understanding the need for rational management of raw materials, products and chemicals on the example of the unit where the internship takes place						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[CHEML3_W10] Enumerates and describes the basic aspects of the construction, operation and use of measuring apparatus and equipment used in experimental works in the field of chemistry and related sciences.	Lists the responsibilities of people unit management. Prepares documentation of tasks performed during internship.	[SW3] text preparation/written work [SW5] implementation of a problem task
	[CHEML3_K03] Establishes priorities in the right way for the implementation of tasks specified by herself/himself and/or by others.	Uses theoretical and practical knowledge acquired at the university during performing the tasks assigned to him.	[SK5] implementation of a problem task [SK7] entries and opinions in the internship diary
	[CHEML3_K09] Is familiar with the general principles of creating and operating forms of individual entrepreneurship.	Lists the obligations of the workplace related to the specificity of its area of operation.	[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work
	[CHEML3_K01] Identifies the level of her/his own knowledge and skills and the need for continuous learning and personal development.	The student finds out about the need for constant replenishment knowledge.	[SK1] oral statement/conversation/discussion [SK5] implementation of a problem task [SK6] demonstration of practical skills
	[CHEML3_U01] Identifies, analyses and solves problems in the field of broadly understood chemistry on the basis of the acquired knowledge.	Uses theoretical and practical knowledge acquired at the university during performing the tasks assigned to him.	[SU5] implementation of a problem task [SU6] demonstration of practical skills [SU7] entries and opinions in the internship diary
	[CHEML3_K08] Formulates opinions in the field of science with caution and criticism in their expression.	Student can search, select and use available materials, and information needed to complete the tasks in institutions related to selected sphere plant activities.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK5] implementation of a problem task
	[CHEML3_K02] Works individually demonstrating initiative and independence of activity and cooperates in a team fulfilling various roles in it.	Lists the obligations of the workplace related to the specificity of its area of operation. Understanding the need for the individual to function in accordance with the principles sustainable development.	[SK6] demonstration of practical skills [SK7] entries and opinions in the internship diary [SK8] observation of student's independent or team work
	[CHEML3_U02] Performs analyses using experimental methods and draws conclusions based on them.	Prepares documentation for assigned tasks. Prepares reports and projects. Uses understandable written language.	[SU5] implementation of a problem task
Subject contents	Detailed content depending on the place of professional practice. These may include, but are not limited to: becoming familiar with the area activities of a given plant, production technology, places of waste generation and methods of its management and disposal, water and sewage management and sewage treatment technology, quality control, obligations and principles of operation of analytical laboratories, collection and storage of material for analysis, methodologies of analyzes performed, legal regulations regarding trade and safety working with chemicals, obligations of the plant related to environmental protection, law relating to various areas of environmental protection, energy management, protection of forest resources. Detailed content depending on the place of professional practice. They can include, among others: familiarization with the area of operation of a given plant, production technology, places of waste generation and methods of their management and disposal, water and sewage management and sewage treatment technology, quality control, obligations and principles of operation of analytical laboratories, collection and storage of material for analysis, methodologies of analyzes performed, legal regulations regarding trade and safety at work with chemicals, plant obligations related to environmental protection, law regarding various areas of environmental protection, energy management, and protection of forest resources.		

Prerequisites and co-requisites	A. Formal requirementsPreparing appropriate documentation of the practice and meeting the related formal requirements.Insurance.B. Entry requirementsPassing specialized subjects substantively related to the scope of program contentprofessional practice, indicating basic knowledge in the field of chemistry and skillsanalyzing and interpreting natural phenomena occurring in practice.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Opinion of the internship supervisor	51.0%	50.0%
	Practice journal, report	51.0%	50.0%
Recommended reading	Basic literature	Legal basis of internshipsRegulations, organization and goals of apprenticeshipsProfessional practice program for engineering studies	
	Supplementary literature	Work regulations applicable at the workplace. Occupational health and safety regulations applicable at the workplace. Workplace instructions.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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