

Subject card

Subject name and code	Professional traineeship, PG_00082492						
Field of study	Chemistry						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
Education level	Master'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	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		4.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Laboratory of Carbohydrate Chemistry -> Department of Organic Chemistry -> 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	80.0	0.0	0.0	0.0	80
	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	80		2.0		18.0	100
Subject objectives	1. Familiarizing the student with the functioning of the workplace/enterprise/institution where the internship takes place. 2. Providing knowledge on the specifics of work in a position corresponding to the field of study. 3. Developing the ability to use specialized and specialist knowledge in professional work. 4. Introducing the student to work in accordance with the provisions of labor law and IBP applicable in a given workplace. 5. Improving the ability to recognize, diagnose and solve professional problems and develop personal characteristics (including responsibility, ethical behavior).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[CHEMMU2_W11] Demonstrates general knowledge about the current trends in the development of chemistry as a science and the latest discoveries in this field.	Is able to search, select and use available materials and information needed to carry out tasks in institutions related to the selected sphere of cultural, administrative or business activity; in sources in Polish and English and using modern technologies.	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
	[CHEMMU2_K04] Correctly identifies and resolves dilemmas related to the profession of a chemist.	Identifies the principles and basic problems of the functioning of an institution (workplace, company, enterprise) and recognizes the influence of the immediate and distant environment on the functioning of the institution (enterprise) in which he/she carries out practice.	[SK5] implementation of a problem task [SK6] demonstration of practical skills [SK7] entries and opinions in the internship diary [SK8] observation of student's independent or team work
	[CHEMMU2_W15] Formulates general principles for creating and developing selected forms of individual entrepreneurship enabling the use of knowledge coming from science.	Student has basic knowledge of standards, procedures and exemplary behaviors related to the selected sphere of activity.	[SW1] oral statement/ conversation/discussion
	[CHEMMU2_K06] Undertakes research tasks consciously and responsibly, understanding the social aspects of the practical application of the acquired knowledge and skills and the responsibility related to it.	In consultation with the internship supervisor, plans and implements typical projects related to a selected sphere of cultural, administrative or business activity.	[SK5] implementation of a problem task [SK6] demonstration of practical skills [SK7] entries and opinions in the internship diary
	[CHEMMU2_W12] Knows the principles of occupational health and safety to the extent that allows independent work on a research and/or measurement position.	Student possesses basic knowledge of occupational health and safety in institutions related to the selected sphere of cultural, administrative or business activity.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[CHEMMU2_U02] Critically assesses the results of conducted, performed observations and theoretical calculations and discusses errors.	The student becomes convinced of the necessity of constantly supplementing their knowledge.	[SU5] implementation of a problem task [SU7] entries and opinions in the internship diary [SU8] observation of student's independent or team work
Subject contents	[CHEMMU2_K02] Is able to undertake a variety of roles in the team, including supervisory ones.	The student learns the tools and methods of organizing work.	[SK6] demonstration of practical skills
	Introduction of activity range of respective institution and organization of executed tasks in regard to knowledge and skills connected to science. Law conditioning and OSH and fire precaution rules as basic legal framework of the job. Constant improvement of knowledge and professional qualifications as a condition of finding oneself on a job market. - Responsibility for own work and work of teammates and functions taken for task realization - as a leader or part of the team		
Prerequisites and co-requisites	A. Formal requirements Preparation of respective practice documentation and fulfilment of its formal demands. Insurance B. Prerequisites Passing of specialization classes which are substantively connected with the content of practice programme, indicating possession of basic chemical knowledge and respective skills in analysing and interpretation of natural phenomena in practical use.		

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Practice journal, report	51.0%	50.0%
	Assessment by the internship supervisor	51.0%	50.0%
Recommended reading	Basic literature	Literature required to pass the course Legal basis of internships Regulations, organization and goals of apprenticeships Professional practice program for engineering studies Extracurricular readings	
	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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