

## Subject card

Subject name and code	English in chemistry, PG_00081980						
Field of study	Chemistry						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	undergraduate studies	Subject group			Obligatory subject group 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 Classes in English language.		
Semester of study	5	ECTS credits			1.0		
Learning profile	academic	Assessment form					
Conducting unit	Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Marek Kwiatkowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		2.0		8.0	25
Subject objectives	To familiarize students with the general professional terminology used in English chemical texts. To introduce students to understanding professional publications on chemistry in English and to formulating simple chemical texts in this language.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[CHEML3_U10] Prepares papers on various fields of chemistry in Polish and English, using acquired knowledge and skills as well as various sources of scientific information.	Student writes short chemical texts in English using appropriate terminology.			[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work		
	[CHEML3_U09] Is able to learn independently.	Student explores new chemical texts and solves tests verifying proper understanding of the content.			[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work		
	[CHEML3_W05] Has basic knowledge of the chemical specialisation studied.	Student names English terms describing the basic concepts of chemistry.			[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion		
	[CHEML3_U11] Prepares and presents oral presentations in various fields of chemistry in Polish and English, using acquired knowledge and skills as well as basic sources of scientific information.	Students presents orally selected chemical issues in English, discusses them using appropriate terminology.			[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work		
	[CHEML3_U12] Reads with understanding scientific and popular science chemical texts in English.	Student reads, understands and analyzes written chemical texts in English.			[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SU8] observation of student's independent or team work		
Subject contents	Classification and naming of inorganic compounds. Classification and naming of organic compounds. Laboratory techniques and procedures, labware. Techniques, procedures and labware in chemical analysis.						

Prerequisites and co-requisites	Completing the courses "Inorganic chemistry" and "Organic chemistry"		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final test based on a selected chemical text	51.0%	40.0%
	Three short tests during classes.	51.0%	60.0%
Recommended reading	Basic literature	1. M. Kwiatkowski, P. Stepnowski "Język angielski w chemii i w ochronie środowiska", ed. Uniwersytet Gdański, Gdańsk 2010, electronic publication <a href="http://inf.ug.edu.pl/kierunkizamawiane/materialy/chemia/Angielski.pdf">http://inf.ug.edu.pl/kierunkizamawiane/materialy/chemia/Angielski.pdf</a>	
	Supplementary literature	1. Selected scientific publications on chemistry in English and fragments of original texts from English chemistry textbooks.	
	eResources addresses	Podstawowe <a href="http://inf.ug.edu.pl/kierunkizamawiane/materialy/chemia/Angielski.pdf">http://inf.ug.edu.pl/kierunkizamawiane/materialy/chemia/Angielski.pdf</a> - Textbook Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<p>Give the name of the compound <math>\text{KH}_2\text{PO}_4 \cdot 6\text{H}_2\text{O}</math>.</p> <p>Give the systematic name and chemical classification of the compound <math>\text{CH}_3\text{C}(\text{O})\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}</math>.</p> <p>Name the elements of the laboratory setup for fractional distillation under normal pressure.</p> <p>Explain the term "magic nucleus".</p>		
Work placement	Not applicable		

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