University of Gdańsk

Subject card

Subject name and code	M.Sc. seminar, PG_00144468		
Field of study	Chemistry		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	postgraduate 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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	4.0
Learning profile	academic	Assessment form	
Conducting unit	Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Joanna Makowska	
	Teachers	dr Maria Dzierżyńska dr hab. Aneta Szymańska dr Ewa Wieczerzak dr hab. Magdalena Wysocka dr Aleksandra Walewska prof. dr hab. Piotr Skowron dr hab. Joanna Makowska dr hab. Dariusz Wyrzykowski dr Aleksandra Tesmar dr hab. Adam Sieradzan dr hab. Sylwia Freza dr Lidia Chomicz-Mańka dr Grzegorz Olszewski dr hab. Agnieszka Gajewicz-Skrętna prof. dr hab. inż. Adriana Zaleska-Medynska dr hab. Monika Paszkiewicz prof. dr hab. Piotr Rekowski	

Lesson types							
	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	30
	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	30	5.0	65.0	100

Subject objectives	Development of in-depth skills in preparing and presenting oral presentations in Polish, mainly in the field of subjects related to the MA thesis Preparation for independent collection and processing of scientific information based on literature searches Knowledge of the principles of preparing and writing substantive and formally correct simple scientific publications, with particular emphasis on the thesis. Monitoring the progress of each student's project work in the framework of the parallel masters' workshop

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[CHEMMU2_U02] Critically assesses the results of conducted, performed observations and theoretical calculations and discusses errors.	Student: • demonstrates substantive preparation for the use of chemical literature • demonstrates extended skills in understanding scientific texts in the field of chemistry both in Polish and English; • develops and uses literature on scientific topics related to her/his master thesis, in order to use/ present them in the prepared master's thesis; • logically and clearly presents the developed topic in the form of an oral presentation with a multimedia presentation; • substantively participates in the discussion and shows interest in the subject presented by other speakers;	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[CHEMMU2_U08] 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.	- Student is able to prepare and present a paper in both Polish and English, correctly arguing his or her conclusions in the field of chemistry and related sciences. At work, he knows how to correctly interpret and analyze information related to basic chemical laws. - By reading scientific texts, student learns to analyze and synthesize information, extract key concepts and understand complex issues.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[CHEMMU2_K03] Understands the need for systematic work on various projects of a long-term nature and knows how to set priorities for the implementation of undertaken tasks.	Student: • maintains criticism in expressing opinions and is open to the opinions of the environment • shows activity in deepening knowledge of the topics related to the master thesis and understands the need to constantly expand knowledge and skills • independently works on exploring English-language literature on the topic of master thesis and on related scientific tasks • involves in scientific discussions • demonstrates responsibility for detail and accurate providing scientific information	[SK5] implementation of a problem task
	[CHEMMU2_W14] Explains the basic concepts and principles in the field of industrial property and copyright protection and recalls knowledge about the management of intellectual property resources; is able to use patent information.	-Student demonstrates basic knowledge of legal and ethical conditions related to scientific activity, including the protection of intellectual property and copyright; - Student demonstrates general knowledge of broadly understood chemistry and biochemistry. - Student is able to present extended knowledge about current directions of development and the latest scientific achievements in the field of the subject of his/her master's thesis;	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report

Course outcome	Subject outcome	Method of verification
[CHEMMU2_U10] Reads with understanding scientific and popular science chemical texts in English.	- Student develops the ability to recognize and understand specialized terms in chemistry, such as names of chemical compounds, reactions, functional groups, etc. in English. - By reading scientific texts, student learns to analyze and synthesize information, extract key concepts and understand complex chemical issues. Student develops the ability to think critically and assess the quality of information regarding the context of research and evaluation of results	[SU1] oral statement/conversation/ discussion [SU5] implementation of a problem task
[CHEMMU2_U05] Presents the results of research in the form of an independently written paper containing a description and justification of the purpose of the work, adopted methodology, results and their significance in comparison to other similar research.	-Student is able to prepare a written work, correctly edit the content of the work, containing a description of the purpose, methodology, obtained results and their significance in the context of other research.	[SU2] presentation/project/paper/ report
[CHEMMU2_U06] Presents the results of scientific discoveries in chemistry and related disciplines in an understandable way.	-Student is able to discuss specialized topics, correctly arguing his or her conclusions in the field of chemistry at an advanced level in the research topics in which he or she is involved and related disciplines - Student is able to develop communication skills in translating complex topics into a clear and understandable language	[SU2] presentation/project/paper/ report
[CHEMMU2_W13] Demonstrates knowledge of legal and ethical conditions related to scientific and didactic work.	Student: • demonstrates basic knowledge of legal and ethical conditions related to scientific activities, including protection of intellectual property and copyright; • demonstrates general knowledge in the field of broadly understood chemistry and biochemistry of amino acids, peptides and proteins and their derivatives. • presents expanded knowledge about current development directions and the latest scientific achievements in the field of the topic of master thesis	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion

Subject contents

Rules for searching, collecting and processing scientific information based on various types of literature sources and databases in Polish and English.
Principles of written preparation and editing of substantive and formally correct simple scientific publications, with particular emphasis on the thesis in the field of exact and natural sciences.
Rules for preparing substantive and formally correct oral presentations at the popular science level in Polish, using multimedia techniques
Multimedia presentations in the thematic field related to broadly understood organic chemistry, with particular emphasis on the chemistry of amino acids, peptides and proteins, as well as issues related to realized master thesis.

Prerequisites and co-requisites

First cycle studies in chemistry, environmental protection, chemical engineering and related fields.

Knowledge of basic issues in the field of chemistry and / or related scientific fields

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Preparing and presenting oral speeches, mainly on topics related to the master's thesis	100.0%	100.0%

Recommended reading	Basic literature	Literature required to pass the course A.1. Literature used during classes: Books and scientific articles related to the topic of master thesis A.2. Literature for individual studies Books and scientific articles related to the topic of master thesis
	Supplementary literature	B. Extracurricular readings Books and scientific articles related to the topic of master thesis
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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