


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
M.Sc. seminar		13.3.0409	
Name of unit administrating study			
null			
Studies			
faculty	field of study	type	drugiego stopnia
Wydział Chemii	Chemia	form	stacjonarne
		specjalty	chemia biomedyczna, analityka i diagnostyka chemiczna, chemia i technologia środowiska, chemia obliczeniowa
		specialization	wszystkie
Teaching staff			
<p>dr hab. Jolanta Kumirska, profesor uczelni; prof. dr hab. inż. Tadeusz Ossowski; prof. dr hab. Mariusz Makowski; dr hab. Anna Łęgowska, profesor uczelni; prof. dr hab. inż. Lech Chmurzyński; dr hab. Aneta Szymańska, profesor uczelni; dr hab. inż. Ewelina Grabowska-Musiał; dr hab. Dagmara Strumińska-Parulska, profesor uczelni; prof. dr hab. Piotr Skowron; dr hab. Dariusz Wyrzykowski; dr hab. Alicja Boryło, profesor uczelni; prof. dr hab. Piotr Stepnowski; dr Grzegorz Olszewski; dr hab. Janusz Madaj, profesor uczelni; dr hab. Aleksandra Dąbrowska, profesor uczelni; dr hab. Elżbieta Jankowska, profesor uczelni; dr hab. Dagmara Jacewicz, profesor uczelni; prof. dr hab. Franciszek Kasprzykowski; prof. dr hab. inż. Adriana Zaleska-Medynska; dr hab. Beata Liberek, profesor uczelni; dr Katarzyna Guzow; prof. dr hab. Piotr Skurski; dr hab. Joanna Makowska, profesor uczelni; dr hab. Anna Białk-Bielińska, profesor uczelni; prof. dr hab. Krzysztof Rolka; prof. dr hab. Piotr Rekowski; dr hab. Beata Grobelna, profesor uczelni; dr Ewa Wieczerzak; dr Dorota Zarzeckańska; prof. dr hab. Adam Prahł; prof. UG, dr hab. Monika Paszkiewicz; dr Paweł Niedziałkowski; prof. UG, dr hab. Agnieszka Chylewska; dr hab. Łukasz Haliński; prof. dr hab. Sylwia Rodziewicz-Motowidło; dr hab. Marek Gołębiowski, profesor uczelni; dr hab. Zbigniew Kaczyński, profesor uczelni; dr Aleksandra Bielicka-Giełdoń</p>			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		8	
Seminar		classes 60 h	
The realization of activities		30 h in 3 semester	
classroom instruction		30 h in 4 semester	
Number of hours		Tutorial classes 50 h	
Seminar: 60 hours		25 h in 3 semester	
		25 h in 4 semester	
		Student's own work 90 h	
		45 h in 3 semester	
		45 h in 4 semester	
		TOTAL: 200 h - 8 ECTS	
		100 h and 4 ECTS in 3 semester	
		100 h and 4 ECTS in 4 semester	
The academic cycle			
2023/2024 winter semester			
Type of course		Language of instruction	
obligatory		polish	
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements	
group work		Final evaluation	
		Graded credit	
		Assessment methods	
		assignment work – project or presentation	
		The basic criteria for evaluation	

- preparation and presentation in the form of presentation of a number of issues related to the master thesis,
- establishment of the final grade based on partial grades received during the semester

Method of verifying required learning outcomes**Required courses and introductory requirements****A. Formal requirements**

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

B. Prerequisites

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

Aims of education

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
- Preparation for the master's exam.

Course 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.

Bibliography of 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

B. Extracurricular readings

Books and scientific articles related to the topic of master thesis

The learning outcomes (for the field of study and specialization)**Knowledge**

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

Skills

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;

Social competence

Student:

- maintains criticism in expressing opinions and is open to the opinions of the environment

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| | <ul style="list-style-type: none">• 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 |
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Contact

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