UNIWERSYTET GDAŃSKI

Course title Seminarium magisterskie/M.Sc. seminar	**ECTS code** 13.3.0882

Name of unit administrating study
Faculty of Chemistry

Studies

Field of study	Type	Form	
Chemistry	Master	Full-time studies	

Dr hab. Jolanta Kumirska, prof. UG

Forms of classes, the realization and number of hours

A. Forms of classes, in accordance with the UG Rector's regulations
seminarium

B. The realization of activities
In-class learning

Number of hours
seminarium 60 godz.

ECTS credits
classes 60 h
30 h in 3 semester
30 h in 4 semester
Tutorial classes 50 h
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
Second year, winter semester and summer semester

Type of course
obligatory

Language of instruction
Polish

Teaching methods
Work in groups

Form and method of assessment and basic criteria for evaluation or examination requirements

A. Final evaluation, in accordance with the UG study regulations
Course completion (with a grade)

B. Assessment methods
Realization of assignment/final work - project or presentation

C. **The basic criteria for evaluation** or exam requirements

- 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

Required courses and introductory requirements

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

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

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
• 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