UNIWERSYTET GDAŃSKI

Course title
Pracownia specjalizacyjna/Graduate laboratory course

ECTS code
13.3.0522

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
Laboratory classes

B. The realization of activities
In-class learning

Number of hours
Laboratory classes 90 h

ECTS credits
classes 90 h
Tutorial classes 30 h
Student's own work 180 h
TOTAL: 300 h - 12 ECTS

The academic cycle
2019/2020 summer semester

Type of course
obligatory

Language of instruction
Polish

Teaching methods
- Laboratory experiments

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 - performance of specific practical work

C. The basic criteria for evaluation or exam requirements

• an assessment of the quality of performed master's researches, including substantive preparation, independence in their realization, correctness of conducted researches (if performed), correctness of interpretation of the obtained results

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

• Substantive and / or practical preparation for realization of experimental part in the field of master thesis

Course contents
The program content is varied and depends on the scope of the topic of the master thesis

Bibliography of literature

A. Literature required to pass the course

A.1. Literature used during classes:

Books and scientific articles related to the topic of the master thesis

A.2. Literature for individual studies:

Books and scientific articles related to the topic of the master thesis

B. Extracurricular readings

Books and scientific articles related to the topic of the master thesis

Knowledge

Student:

- recognizes and characterizes methods, techniques and research tools used in chemistry;
- chooses the correct research methods to complete the master research thesis
- characterizes development directions and knows the latest discoveries in the field of research carried out as part of the master thesis
- knows and applies the principles of health and safety during realization of experimental work on a test or measuring stand in laboratory or in the field (outside)

Skills

- Student:
- has the ability to conduct experiments related to the master thesis; uses simple and advanced methods, techniques and tools to achieve goals intended in the mater thesis
- is fluent in finding information in specialized literature (Polish and English)
- demonstrates the ability to write a master's thesis in Polish and a short scientific report in a foreign language based on her/his own research
- discusses about issues related to the master thesis in understandable language; is able to define her/his interests and develop them within the chosen specialization and/or within the topic of the master thesis; carries out the process of self-education and planning future career

Social competence

Student:

- verifies the level of her/his knowledge and skills; understands the need for continuous vocational training and personal development
- demonstrates creativity in independent and team work; is characterized by perseverance in taking on personal and professional challenges
- can work in a group, taking in it various roles
- is responsible for the safety of own and other work; knows how to deal with emergencies, is careful working with chemicals, is careful working with measuring instruments; understands the need to comply with the principles of professional ethics