1.	**Field of study**	**Mathematics**
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2024/2025 (winter term)
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	**General information about the module**
Module name	**Coordination Compounds**
Module code	W4-MT-S2-23-ChZK
Number of the ECTS credits	2
Language of instruction	Polish
Purpose and description of the content of education	Moduł Chemii związków koordynacyjnych zapoznaje Studenta z rodzajami i nazewnictwem ligandów i związków koordynacyjnych. Student zapoznaje się z metodami otrzymywania, właściwościami fizykochemicznymi, budową i izomerią związków koordynacyjnych. Potrafi zaplanować i przeprowadzić eksperyment ściśle związany z omawianymi zagadnieniami.
List of modules that must be completed before starting this module (if necessary)	not applicable

8. Learning outcomes of the module

Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)
ChZK_01	Zna zasady nomenklatury ligandów i związków koordynacyjnych.	KN_Ch_W01 KN_Ch_W02	5 4
ChZK_02	Zna metody otrzymywania, właściwości, reaktywność i budowę związków koordynacyjnych.	KN_Ch_K01 KN_Ch_U03 KN_Ch_U04 KN_Ch_W01	4 5 5 5
ChZK_03	Opracowuje raporty i sprawozdania z zakresu syntezy związków koordynacyjnych.	KN_Ch_U03 KN_Ch_U05 KN_Ch_U06	5 5 4

9. Methods of conducting classes

Code	Category	Name (description)
b02	Problem-solving methods	Lecture-discussion *transmission of content involving interaction with the lecture audience; discussion of lecture-related issues is one of its elements or constitutes its follow-up*

e01	Practical methods	Laboratory exercise / experiment *[also conducted as fieldwork] a method of practical application of knowledge; implemented in three stages: the recognition of a problem induced by the task content, the formulation of the problem and the attempt to solve it accompanied by the assessment of the effects; the goal is to acquire skills, abilities and habits, and to consolidate the acquired knowledge so that it becomes operational; the laboratory method assumes greater independence of learners than carrying out an experiment*

10. Forms of teaching

Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
ChZK_fs_01	workshop	15	course work	ChZK_01, ChZK_02, ChZK_03	b02, e01

11. The student's work, apart from participation in classes, includes in particular:

Code	Category	Name (description)	Is it part of the BUNA?
a02	Preparation for classes	Literature reading / analysis of source materials *reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class*	Yes
a03	Preparation for classes	Developing practical skills *activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)*	No
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content *reading through the syllabus and getting acquainted with its content*	No
c02	Preparation for verification of learning outcomes	Studying the literature used in and the materials produced in class *exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class*	Yes

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: https://usosweb.us.edu.pl.