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	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	**General information about the module**
Module name	**Inorganic Chemistry II**
Module code	W4-MT-S1-24-ChN2
Number of the ECTS credits	2
Language of instruction	Polish
Purpose and description of the content of education	Moduł Chemii Nieorganicznej II przekazuje wiedzę dotyczącą chemii pierwiastków bloku d (ze szczególnym uwzględnieniem reakcji utleniania i redukcji manganu, chromu, żelaza i miedzi).
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)
ChN2_01	Zna sposoby otrzymywania wybranych związków pierwiastków bloku d.	KN_Ch_W01 KN_Ch_W02	4 4
ChN2_02	Przewiduje właściwości i reaktywność związków pierwiastków bloku d.	KN_Ch_K01 KN_Ch_U03 KN_Ch_U07 KN_Ch_W02	4 4 3 4
ChN2_03	Posiada umiejętności praktycznego wykorzystania wiedzy z zakresu chemii pierwiastków bloku d.	KN_Ch_K01 KN_Ch_U06 KN_Ch_U07 KN_Ch_U09 KN_Ch_W03	4 3 3 4 4
ChN2_04	Opracowuje sprawozdania dotyczące przeprowadzonych doświadczeń z udziałem związków nieorganicznych.	KN_Ch_U05	4
ChN2_05	Potrafi samodzielnie zaplanować i przeprowadzić reakcję chemiczną z udziałem związków nieorganicznych.	KN_Ch_K01 KN_Ch_U02 KN_Ch_U03	3 5 5

		KN_Ch_U08 KN_Ch_W03	4 4
ChN2_06	Odpowiada za bezpieczeństwo pracy własnej i innych.	KN_Ch_U08 KN_Ch_W03	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
ChN2_fs_01	workshop	30	course work	ChN2_01, ChN2_02, ChN2_03, ChN2_04, ChN2_05, ChN2_06	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?
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)*	Yes
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.