Module Description 21-SC-20 Guided Learning in Inorganic Chemistry for Alignment

Faculty of Chemistry

Version dated May 13, 2026

This module guide reflects the current state and is subject to change. Up-to-date information and the latest version of this document can be found online via the page

https://ekvv.uni-bielefeld.de/sinfo/publ/modul/694343253

The current and valid provisions in the module guide are binding and further specify the subject-related regulations (German "FsB") published in the Official Announcements of Bielefeld University.

Non-official translation of the module descriptions. Only the German version is legally binding.

21-SC-20 Guided Learning in Inorganic Chemistry for Alignment

Faculty

Faculty of Chemistry

Person responsible for module

Prof. Dr. Berthold Hoge

Regular cycle (beginning)

Every winter semester

Credit points

5 Credit points

Competencies

After completing the seminar, the students have a comprehensive overview of the chemistry of the elements of the periodic table. They can confidently categorize types of chemical bonds and reactions. The students are able to classify the properties of the elements of the periodic table according to simple and advanced concepts and structures. They possess an in-depth knowledge of classes of substances, reaction patterns, structures, and mechanisms, and are capable of relating the behavior of known chemical systems to the concept of structure/property relationships of inorganic and organoelement compounds of the main group elements, as well as predicting the behavior of new, unknown systems.

Content of teaching

The module outlines the topics that are covered in the field of inorganic chemistry within the Bachelor's program in Sustainable Chemistry. Students independently identify the areas where they need to catch up on content and acquire this knowledge using the provided literature and other materials. Opportunities for question-and-answer sessions will be made available.

Recommended previous knowledge

–

Necessary requirements

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Explanation regarding the elements of the module

Module structure: 1 uPr [1]

Courses

Title	Type	Regular cycle	Workload [5]	LP[2]
Guided Learning in Inorganic Chemistry Theory	seminar	WiSe	150 h (6 + 144)	5

Examinations

Allocated examiner	Type	Weighting	Workload	LP[2]
Person responsible for module is examiner *Duration of written exam 90-120 min. Duration of oral exam: 30-35 min.*	Klausur o. mündliche Prüfung	without grades	-	-

Legend

1	The module structure displays the required number of study requirements and examinations.
2	LP is the short form for credit points.
3	The figures in this column are the specialist semesters in which it is recommended to start the module. Depending on the individual study schedule, entirely different courses of study are possible and advisable.
4	Explanations on mandatory option: "Obligation" means: This module is mandatory for the course of the studies; "Optional obligation" means: This module belongs to a number of modules available for selection under certain circumstances. This is more precisely regulated by the "Subject-related regulations" (see navigation).
5	Workload (contact time + self-study)
SoSe	Summer semester
WiSe	Winter semester
SL	study requirement
Pr	Examination
bPr	Number of examinations with grades
uPr	Number of examinations without grades