

**Modulbezeichnung:** Inorganic Chemistry - Lab (CM-IC-Lab) 10 ECTS  
(Inorganic Chemistry - Lab)

Modulverantwortliche/r: Karsten Meyer

Lehrende: Die Dozenten der Anorg. Chemie

Startsemester: WS 2020/2021	Dauer: 1 Semester	Turnus: halbjährlich (WS+SS)
Präsenzzeit: 225 Std.	Eigenstudium: 75 Std.	Sprache: Englisch

**Lehrveranstaltungen:**

- Attendance in lab course is compulsory!
- Attendance at safety instruction is compulsory!
- Attendance in winter or summer term possible!
- A valid laboratory insurance is mandatory for participation in the lab course - see: [www.laborversicherung.de](http://www.laborversicherung.de)

Inorganic Chemistry - LAB (WS 2020/2021, Praktikum, 15 SWS, Karsten Meyer et al.)

**Inhalt:**

- practical laboratory experience aiming at introducing students to current and state of the art inorganic research topics
- work experience in a team of researchers
- establishing fundamental knowledge required for addressing individual molecular research problems at a state of the art level
- independent and self-driven approach to problem solving in an assigned research project

**Lernziele und Kompetenzen:**

The students

- apply acquired fundamental knowledge and practical skills to an individual research problem that they work on independently
- manage and apply the fundamental safety regulations important to handling hazardous compounds and instruct other coworkers in relevant safety topics
- rank their own research results in the context of current literature and research papers in the field and record their results in appropriate scientific writing and documentation style
- give oral and written presentations of the results and acquired knowledge in an appropriate scientific style in English language

**Studien-/Prüfungsleistungen:**

Inorganic Chemistry Laboratory (Prüfungsnummer: 65021)

Prüfungsleistung, Praktikumsleistung

Anteil an der Berechnung der Modulnote: 100%

weitere Erläuterungen:

Graded Lab Protocol of 30 - 50 pages (plus raw data documentation)

Prüfungssprache: Englisch

Erstablingung: WS 2020/2021, 1. Wdh.: SS 2021

1. Prüfer: Karsten Meyer

**Organisatorisches:**

**Please note:**

- Students have to register for the module in their first semester (check registration periods)!
- Lab course is held as an in-class-course
- Lab course can be chosen in winter or summer term
- Time and place by appointment (in one of the involved working groups of Inorganic chemistry)
- Registration / further information: please contact Dr. Achim Zahl ([achim.zahl@fau.de](mailto:achim.zahl@fau.de))

**Bemerkungen:**

Module compatibility:

- Lab module within the **Core module „Inorganic Chemistry“** in M. Sc. Chemistry
- Lab module within the **Compulsory Elective Module** in M.Sc. Chemistry (if not chosen as Core module) or M. Sc. Molecular Science