

<b>Modulbezeichnung:</b> Inorganic Chemistry - Lab (CM-IC-Lab) (Inorganic Chemistry - Lab)	<b>10 ECTS</b>
Modulverantwortliche/r: Karsten Meyer	
Lehrende: Die Dozenten der Anorg. Chemie	
Startsemester: SS 2021	Dauer: 1 Semester
Präsenzzeit: 225 Std.	Eigenstudium: 75 Std.
	Turnus: halbjährlich (WS+SS)
	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 (SS 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

### Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:

Das Modul ist im Kontext der folgenden Studienfächer/Vertiefungsrichtungen verwendbar:

#### [1] Chemistry (Master of Science)

(Po-Vers. 2020w | NatFak | Chemistry (Master of Science) | Fachliche Wahlpflichtmodule | Inorganic Chemistry | Inorganic Chemistry laboratory)

#### [2] Chemistry (Master of Science)

(Po-Vers. 2020w | NatFak | Chemistry (Master of Science) | Ergänzende Wahlpflichtmodule | Inorganic Chemistry | Inorganic Chemistry laboratory)

### 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

Erstabelleung: SS 2021, 1. Wdh.: WS 2021/2022

1. Prüfer: IC-Lab (N70010)

**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)

**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