| Modulbezeichnung: | Research Module Inorganic chemistry (IC-R-Lab)<br>(Research Module Inorganic chemistry) | 15 ECTS |
|---|---|---|
| Modulverantwortliche/r: | Karsten Meyer | |
| Lehrende: | Die Dozenten der Anorg. Chemie, Karsten Meyer, Romano Dorta, Nicolai Burzlaff, Sjoerd Harder | |

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| Startsemester: WS 2022/2023 | Dauer: 1 Semester | Turnus: halbjährlich (WS+SS) |
| Präsenzzeit: 345 Std. | Eigenstudium: 105 Std. | Sprache: Englisch |

**Lehrveranstaltungen:**

Research lab course (23 SWS) in one of the work groups of Inorganic Chemistry

- Attendance at lab course is compulsory!
- Attendance at safety instructions 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

Research module Inorganic Chemistry (WS 2022/2023, Praktikum, 23 SWS, Anwesenheitspflicht, Die Dozenten der Anorg. Chemie)

**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) | Forschungsmodul | Forschungsmodul Inorganic Chemistry)

**Studien-/Prüfungsleistungen:**

Forschungsmodul Inorganic Chemistry (Prüfungsnummer: 65511)

Prüfungsleistung, Praktikumsleistung
Anteil an der Berechnung der Modulnote: 100%
weitere Erläuterungen:
Lab(PL): graded lab protocol of approx. 25 pages plus raw data documentation
Prüfungssprache: Englisch

Erstablegung: WS 2022/2023, 1. Wdh.: SS 2023
1. Prüfer: IC-Lab (N70010)

**Organisatorisches:**

- Students have to register for the module (check registration periods)!
- Attendance in lab course and safety instructions are compulsory!
- Lab course is held as an in-class-course
- Lab course can be choosen in winter or summer term
- Time and place by appointment (in one of the involved working groups of Inorganic chemistry), please contact the supervisor directly

**Bemerkungen:**

Please note:

- Research lab project (ca. 8 weeks: 21SWS LAB/2SWS Seminar) full time in a work group of the student's choice in Inorganic Chemistry