

Modulbezeichnung: Research Module Organic Chemistry (OC-R-Lab) **15 ECTS**
(Research Module Organic chemistry)

Modulverantwortliche/r: Andreas Hirsch

Lehrende: Dozenten der Organischen Chemie, Andreas Hirsch, Jürgen Schatz, Svetlana Tsogoeva, Norbert Jux, Andriy Mokhir, Henry Dube

Startsemester: WS 2020/2021

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 Organic 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 OC (WS 2020/2021, Praktikum, 23 SWS, Anwesenheitspflicht, Henry Dube et al.)

Inhalt:

- Integration of students in an actual research group
- self-organization of a research project both in theory and practice
- planning of experiments in order to prove (or reject) a given hypothesis

Lernziele und Kompetenzen:

The students are capable

- to use their theoretical and practical background to make an individual contribution to an independent, actual and realistic research project
- to provide a state-of-the-art documentation and discussion of results obtained as a member of a research team
- to present, communicate and discuss scientific results with experts in English.

Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:

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

[1] **Chemie (Master of Science): 3. Semester**

(Po-Vers. 2020w | NatFak | Chemie (Master of Science) | Forschungsmodul | Forschungsmodul Organic Chemistry)

Studien-/Prüfungsleistungen:

Forschungsmodul Organic Chemistry (Prüfungsnummer: 65521)

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

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

1. Prüfer: Henry Dube

Organisatorisches:

Please note:

- Students have to register for the module examination on MeinCampus (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 Organic chemistry), please contact the supervisor directly

Bemerkungen:

Please note:

- Research lab project (ca. 6 weeks: 21SWS LAB/2SWS Seminar) full time in a work group of the student's choice in Organic Chemistry