Modulbezeichnung:	**Energy Materials - Lab (EnMat-Lab)** (Energy Materials - Lab)	**5 ECTS**
Modulverantwortliche/r:	Dirk M. Guldi	
Lehrende:	Dirk M. Guldi, Christian Ehli	

Startsemester: SS 2022	Dauer: 1 Semester	Turnus: halbjährlich (WS+SS)
Präsenzzeit: 105 Std.	Eigenstudium: 45 Std.	Sprache: Englisch

Lehrveranstaltungen:

- Attendance at lab course is compulsory!
- Attendance at safety instructions is compulsory!
- A valid laboratory insurance is mandatory for participation in the lab course - see: www.laborversicherung.de

Energy Materials - LAB (SS 2022, Praktikum, 7 SWS, Dirk M. Guldi et al.)

Inhalt:

- Practical introduction to electrochemical techniques
- Guided work on the characterization of electroactive materials
- Attempts to solve independently a scientific problem
- Documentation of experimental results

Lernziele und Kompetenzen:

Students

- plan and perform own electrochemical experiments
- characterize electroactive materials by common electrochemical methods
- analyze, interpret, and discuss electrochemical experimental results
- discuss and evaluate current electrochemical publications.

Studien-/Prüfungsleistungen:

Energy Materials - Lab (Prüfungsnummer: 65441)
Prüfungsleistung, Praktikumsleistung
Anteil an der Berechnung der Modulnote: 100%
weitere Erläuterungen:
Graded Lab Protocol of 30 - 50 pages (plus raw data documentation)
Prüfungssprache: Englisch

Erstablegung: SS 2022, 1. Wdh.: WS 2022/2023
1. Prüfer: Dirk M. Guldi

Organisatorisches:

Please note:

- Students have to register for the module (check registration periods)!
- Lab course **Energy Materials - Lab** (EnMat-Lab) is held as an in-class-course!

The lab course takes place in one of the participating research groups!

Bemerkungen:

- Within the Compulsory Elective Module "Advances in Energy Materials" in M.Sc. Chemistry or M.Sc. Molecular Science (20 ECTS)!
- The module can be taken as part of the Elective Module (5 ECTS, not graded)!