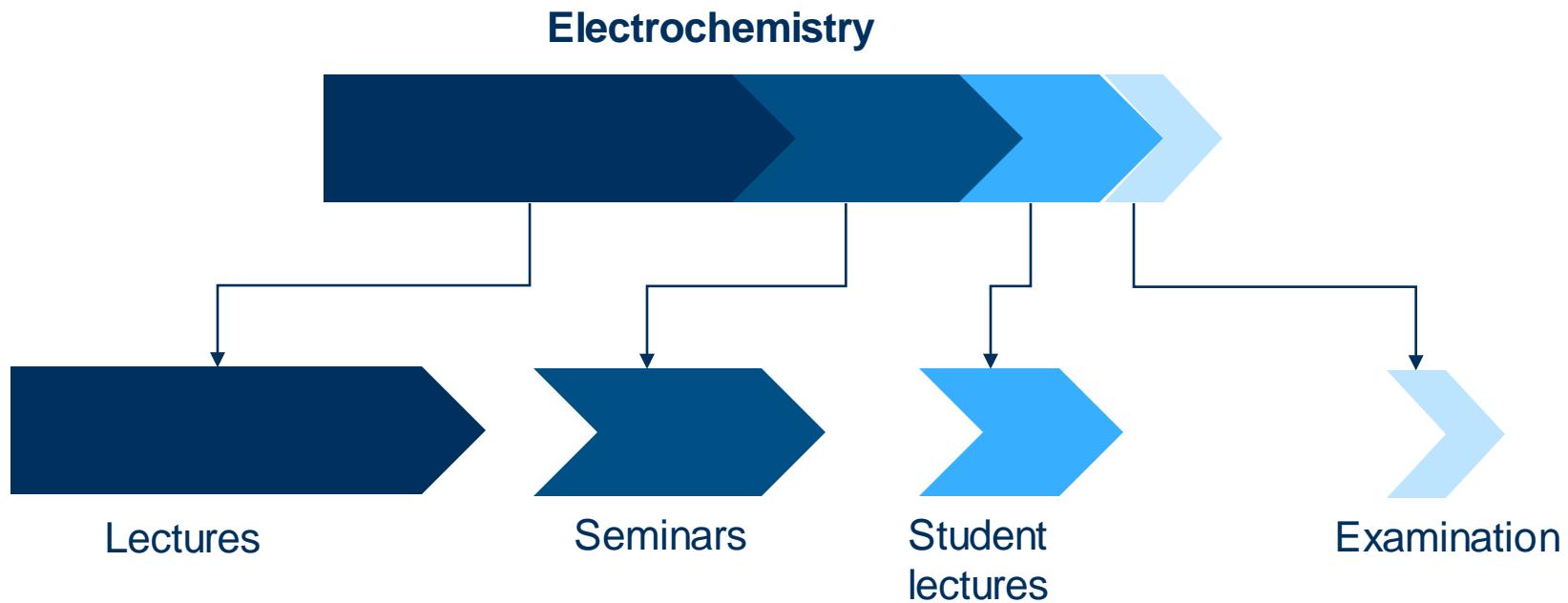


Master Module Chem-Ma-C06

Electrochemistry

SS 2024



The course language will be English

Successful completion of the course results in 5 credit points (5 LP). The credit points are acquired if the student lecture and the written examination is passed.

The final grade results from the weighted average of the grades from the student lecture (25 %) and the written examination (75%).

Lectures & Seminars

The lecture and seminar will be held in hybrid form (CHE182 and zoom).

Time: Wednesday from **7.30 a.m** to **9.00 a.m.** and from **9.20. a.m** to **10.50 a.m.**

The seminar will be held each week from **10.00 a.m.** on

Lecturers:

Prof. Inez Weidinger (inez.weidinger@tu-dresden.de)

Dr. Minghao Yu (minghao.yu@tu-Dresden.de)

Dr. Hoang Khoa Ly (hoang_khoa.ly@tu-dresden.de)

Dr. Alexey Popov (A.Popov@ifw-dresden.de)

The lectures by Inez Weidinger can be followed via:

<https://tu-dresden.zoom-x.de/j/62620294196?pwd=WG8yTGxYOWtmVDRUZksxYWdTZWprQT09>

The lectures by Minghao Yu can be followed via:

<https://us02web.zoom.us/j/81731776872?pwd=SjJZTHdOTVdCSDBLNld2Z3I4dzc4UT09>

Lectures & Seminars

	Date	Topic	Lecturer
1	10.04	Electrochemistry-Fundamentals	IW
2	17.04	Electrochemistry-Fundamentals	IW
3	24.04	Energy Storage (+ ECQCM)	MY
4	01.05	National Holiday	
5	08.05	Energy Storage	MY
6	15.05	Electrocatalysis - Het.	KL
7	22.05	Holidays	
8	29.05	Electrocatalysis-Molecular/Photo	KL
9	05.06	Dies Academicus	
10	12.06	Bioelectrochemistry (+ Impedance)	IW
11	19.06	Spectroelectrochemistry-Raman	KL
12	26.06	Spectroelectrochemistry-IR	KL
13	03.07	Spectroelectrochemistry-EPR	AP
14	10.07	Spectroelectrochemistry-SERS/SEIRA	IW
15	17.07	Student Reports	IW, MY, KL

IW: Inez Weidinger
 MY: Minghao Yu
 KL: Khoa Ly
 AP: Alexej Popov

Student Lectures

You are asked to prepare and give a **20 mins lecture** on a given topic. 5 mins discussion are excluded in the 20 mins.

Student lectures are planned to be presented at the end of the semester (last two weeks).

Topics and literature as well as more information will be provided in the near future.

Examination

There will be a 90 min written examination at the beginning of the semester break. The date will be decided in the lecture.

In order to write the exam you have to be registered for this course in SELMA. If you are unable to enrol please contact us.