

Courses in summer semester 2023 *)

International Master of Science „Structural Chemistry and Spectroscopy“

2nd Term**Inductions**

22.03.2023 03.00 pm (CET) **Induction for new international students**
online

22.03.2023 05.00 pm (CET) **Guided module registration**
online

Zoom-Link for guided module registration and induction:

<https://uni-leipzig.zoom.us/j/63722929255?pwd=cVVUWTJmYXMxMGFSL0J2ZWU4WE5uUT09>

Meeting ID: 637 2292 9255 | Passcode: 256817

04.04.2023 03.15 pm (CET) **Campus Tour**
Meeting point: main entrance at the Faculty main building
(Johannisallee 29)

2nd week of the lecture period **Welcome by the Dean of Study Affairs/ Meet-And-Greet**
More details to follow

Obligatory modulesMonday

10.15 - 11.45 am	L	Spectroscopic methods / 13-122-0221	KI.HS
12.15 - 01.45 pm	L	Symmetry and X-ray diffraction / 13-122-0221	KI.HS
02.15 - 03.00 pm	S	NMR on Biosystems / 13-122-0121 / Yunmi Kim; Ruonan Qin, Dr. Guzel Musabirova	SR 014

Thursday

08.30 - 10.00 am	L	NMR on Biosystems / 13-122-121/ Prof. Matysik	SR 014
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Friday

02.00 - 02.45 pm	E	NMR on Biosystems / 13-122-0121 / Dr. Song	SR 014
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Physical Chem.
(1 module min.)

In the course of your studies, you will need to take at least one of the following modules:

- Physical Chemistry of Clusters / 13-121-0420 (winter semester)
- Function Control at Complex Surfaces / 13-121-0422 (winter semester)
- Surface Spectroscopy - Methods and Applications / 13-121-0423 (summer semester)
- Modern Methods in Theoretical Chemistry / 13-121-0621 (summer semester)

Professors:

Structural Analysis in Inorganic Chemistry /
13-122-0221

Prof. Dr. Krautscheid / Prof. Dr. Kersting
Prof. Dr. Kohlmann/ Dr. Maik Icker

Choice obligatory modules

Computergestützte Wirkstoffentwicklung (Computer-aided drug discovery; in English) / 09-121-1503 / Prof. Dr. Meiler, Dr. Künze / 5 LP

L	Monday, 04.00-04.45 pm	KI.HS (Talstr. 33)
L	Tuesday, 01.15-2.45 pm	KI.HS (Talstr. 33)

Further information: www.kuenzelab.org/home/teaching

Important: If needed, you can de-register from this module in Tool (tool.uni-leipzig.de).

Rezeptorbiochemie (Receptor Biochemistry; in English) / 11-122-1121 / Prof. Dr. Beck-Sickinger, Dr. Karin Mörl / 5 cp

L	Mon, 03.04.2023 10.30 am-12.00 noon 01.30-03.00 pm 03.15 -04.45 pm	Beckmann HS (Brüderstr. 34) KI.HS (Brüderstr. 34) KI.HS (Brüderstr. 34)
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	Tue, 04.04.23 08.30-10.00 am 10.30 am-12.00 noon	KI.HS (Brüderstr. 34) KI.HS (Brüderstr. 34)
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	After 11.04.2023 Tue, 08.30-10.00 am	KI.HS (Brüderstr. 34)
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S	Duration 24.04.-12.06.2023 Group I: Mon, 08.30-10.00 am Gruppe II: Mon, 05.00-06.30 pm	KI.HS (Talstr. 33) Beckmann HS (Brüderstr. 34)
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Please note:

1. Forming seminar groups will be done in the first lecture sessions.
2. This is a 5 credit point module without lab practicals. For options of taking lab practicals please first consult Annegret Cornehl at the Office of Study Affairs.

Grundlagen der Wechselwirkung von elektromagnetischer Strahlung mit Materie (Basics of Interaction of Electromagnetic Radiation with Matter; in English) / 12-122-1511 / PD Dr. Bertmer / 5 cp

L	Wed, 10.15 - 11.45	SR 102
L	Thu, 13.15 - 14.45	SR 101

Oberflächenspektroskopie - Methoden und Anwendungen (Surface Spectroscopy: Methods and Applications; in English) / 13-121-0423 / Prof. Dr. Denecke / 5 cp

	Mon, 08.30 am-10.00 am	KI.HS
	Tue, 03.15 pm-04.45 pm	HS 04
	Specific dates only	

Moderne Methoden der Theoretischen Chemie (Modern Methods in Theoretical Chemistry; in English) / 13-121-0621 / Prof. Dr. Tonner / 5 cp

L	Wed, 08.00 - 09.30 am	SR 101
L/S	Wed, 09.30 - 11.00 am	SR 101

Maschinelles Lernen: Grundlagen und Anwendungen in der Chemie (Machine Learning: fundamentals and applications in chemistry; in English) / 13-121-0622 / Juniorprof. Dr. Westermayr / 5 cp

L	Wednesday, 01.00 - 2.30 pm	K.HS
E	Friday, 03:00 - 03:45 pm	SR 101

Note: This module cannot be selected in combination with the lecture „Machine Learning: fundamentals and applications in chemistry“ in the module Recent Trends in Chemistry (13-121-1416).

Important: If needed, you can de-register from this module in Tool (tool.uni-leipzig.de).

Trennmethoden und Moderne "-omics"-Techniken (Separation techniques and advanced “-omics”-techniques; in English) / 13-121-1119 / Prof. Dr. Hoffmann / 5 cp

L Wed, 01.00 - 02.30 pm room 1.2 & 1.3 (BBZ)
+ 2 SWS, specifics to be announced

Aktuelle Entwicklungen in der Chemie (Recent Trends in Chemistry; in English) / 13-121-1416 / select lecturers / 5 cp

L Enhanced Experimentation (Prof. Dr. Schunk) / 2 SWS

four days in June/July 2023, more details to follow

L Machine Learning: fundamentals and applications in chemistry KI.HS
(Juniorprof. Dr. Westermayr) / 1 SWS
Wednesday, 01.00 - 02.30 pm

L Electrochemistry: Fundamentals, Trends, and Applications - Part 1 (Prof. Dr. Abel) / SR 014
1 SWS

Wednesday, 03.00 - 04.30 pm

05.04.-17.05.2023

L Electrochemistry: Fundamentals, Trends, and Applications - Part 2 (Prof. Dr. Abel) / SR 014
1 SWS

Wednesday, 03.00 - 04.30 pm

24.05.-12.07.2023

Note: module duration: 2 successive semesters. For completion lectures totaling 3 SWS are required and must be completed by a partial exam in every relevant lecture. You can register for Dr. Schunk's lecture without completing the module, too. Sign up for your lectures in Tool during the regular registration deadline

The lecture „Machine Learning and AI-Driven Laboratories“ cannot be selected in combination with the module of that same name.

Prof. Abel's lectures “Electrochemistry: Fundamentals, Trends, and Applications - Part 1“ and “...-Part 2“ differ in content while part 2 builds on the contents of part 1. Part 1 can be combined with part 2 or part 1 can be selected separately.

Massenspektrometrische Methoden (Mass Spectrometry, in English) / 13-122-0111 /

Dr. Warneke / 5 cp

L Tue, 01.00-02.30 pm KI.HS

S/P Thu, 10.15-11.00 am SR 101

Ausgewählte Themen der NMR-Spektroskopie (Selected Topics of NMR Spectroscopy; in English) / 13-122-0122 / Prof. Dr. Matysik, Dr. Song, N. Bashirova

L Fri, 08.15 am-09.45 am SR 101

S Fri, 01.00 pm-01.45 pm SR 101

E/P 1 SWS on appointment

L/S Highlights in der Naturstoffsynthese (Highlights in Natural Products Synthesis; in English) / 13-122-0321 / Prof. Dr. Schneider / 5 cp

Prospectively Thu, 11.30 am-01.00 pm SR 014

Prospectively Fri, 10.15-11.45 am SR 014

Moderne Konzepte in der Katalyse (Modern Concepts in Catalysis; in English) /

13-122-0521 / Dr. Al-Naji / 5 cp

S/E Thu, 04.45-06.15 pm SR 102

Start: 27.04.2023

L Fri, 10.00-11.45 am SR 101

Start: 21.04.2023

Nanostrukturierte Katalysatorsysteme (Nano Structured Catalytic Systems; in English) / 13-122-0511 / Dr. Sheppard, Dr. Goepel / 5 cp

E Thu, 11.20 am-12.50 pm SR 102

L Thu, 01.15-02.45 pm SR 102

Laboratory courses

Please have a look at the separate list with laboratory courses online at **www.chemie.uni-leipzig.de/en/timetables**

Instructions: To take a laboratory course, please contact the respective professor and arrange with him/her specific dates. Usually you are required to write a report for your laboratory course. For formally registering for the course, please electronically hand in the so-called „yellow sheet“ to the Office of Study Affairs before starting the course. You can request the form from that same office.