

Courses in summer semester 2023 *)

Master of Science “Advanced Spectroscopy in Chemistry”**2nd Semester****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 modules

**Structural Analysis in Inorganic Chemistry / 13-122-0221 / Prof. Dr. Krautscheid,
Prof. Dr. Kersting, Prof. Dr. Kohlmann, Dr. Icker**

L	Mon, 10.15 - 11.45 am	L	Spectroscopic methods	KI.HS
	Mon, 12.15 - 01.45 pm	L	Symmetry and X-ray diffraction	KI.HS

Synchrotron Radiation and its Applications/ 13-122-0415 / Prof. Dr. Denecke
web-based course; Information provided via email

Choice obligatory module

**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	Beckmann HS (Brüderstr. 34)
	01.30-03.00 pm	KI.HS (Brüderstr. 34)
	03.15 -04.45 pm	KI.HS (Brüderstr. 34)

Tue, 04.04.23

L = Lecture,

S/E = Seminar/Exercise,

P = Practical

*) changes might be possible.

08.30-10.00 am KI.HS (Brüderstr. 34)
 10.30 am-12.00 noon KI.HS (Brüderstr. 34)

After 11.04.2023
 Tue, 08.30-10.00 am KI.HS (Brüderstr. 34)

S Duration **24.04.-12.06.2023**
 Group I: Mon, 08.30-10.00 am KI.HS (Talstr. 33)
 Gruppe II: Mon, 05.00-06.30 pm Beckmann HS (Brüderstr. 34)

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**

L Mon, 08.30 am-10.00 am KI.HS
 L 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**

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).

Trennmethode 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) / 1 SWS Wednesday, 03.00 - 04.30 pm 24.05.-12.07.2023 <u>Note:</u> 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	SR 014
	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.	
	NMR in Biosystemen (NMR on Biosystems, in English) / 13-122-0121 / Prof. Dr. Matysik, Dr. Guzel Musabirova Dr. Song, Y. Kim; R. Qin / 5 cp	
S	Mon, 02.15 - 03.00 pm	SR 014
L	Thu, 08.30 - 10.00 am	SR 014
E	Fri, 02.00 - 02.45 pm	SR 014
	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 Start: 27.04.2023	SR 102
L	Fri, 10.00-11.45 am Start: 21.04.2023	SR 101
	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.