



**Master Chemistry:
Welcome to the Summer
term 2024!**

Summer Semester 2024

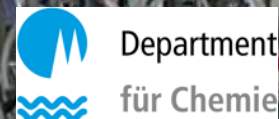
This meeting on
Monday, April 08, 2024, 9:00-10:30,
Seminar Room A

is a mandatory event for new MSc Chemistry students

for which no registration is required, but if you are unable to attend for an important reason, please let us know in advance.



Summer Semester 2024
Class #27 @ UzK



Welcome to the Department of Chemistry!

Who is responsible?



Prof. Dr. Annette
Schmidt
(Physical Chemistry)
Chairperson M.Sc.
Examination Board
annette.schmidt@uni-koeln.de



Prof. Dr. Axel
Griesbeck
(Organic Chemistry)
Vice-Chairperson M.Sc.
Examination Board
griesbeck@uni-koeln.de



Dr. Heike
Henneken
(Administration)
Student Advisory Service,
International Affairs
hhenneke@uni-koeln.de

Marion **Danitz**
Examination Office
Raum: HS 118
Tel. +49-221-470-2239
Email: marion.danitz(at)uni-koeln.de



Office hours:
Wed 13:30-16:00 h
Thu 10:00-13:00 h



Department
für Chemie



MSc Chemistry @University of Cologne

-> research-focused training and specialization in chemistry



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Internationalization: Studying without being on site

- **Lectures** via ILIAS (our study platform) and live (via Zoom):
 - Technical check: laptop (or equivalent) with camera and microphone/speaker
 - internet connection – stable connection with 1 Mbit/s or more is needed
- ➔ If this infrastructure is not available to you, **please do not register for the modules**
 - Regular active participation (camera on, ask questions, communicate in chat and e-mails, read recommended material)

=> Get prepared for the time you arrive here in presence.

- *Seminars will be in presence: maybe some of the talks will be available in ILIAS*
- *Lab courses will be organized for you in presence only.*
 - *All exams (written or oral) are in presence only.*



Program Language = English only!

But:

It is a good advise to fetch up with some German!

(helps e. g. with ordering beer, talking to administrative people, ...)



Train your English!

Active:

- writing (reports, written exams, ...)
- speaking (presentations, oral exams, ...)

Passive:

- reading (journals, ...)
- listening (lectures, ...)



Your professors
are not native
speakers neither!

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Your Expectations: The Master Program



MSc Chemistry

Fundamental courses

- 3 **A modules**: Advanced chemistry chapters (Lecture + seminar) -> **A-IC - A-OC - A-PC - A-TC - A-BC**
- 3 **E modules**: Experimental lab course
-> **A-IC - A-OC - A-PC - A-TC - A-BC**

Specialization

- 2 **P modules**: Project oriented lab course, specialization lecture & seminar
- **P-RP module**: **P** module + **R**esearch **P**roposal
- **S module**: **S**upplementary module)
- **M module**: **M**aster thesis

List of Modules

credits

%total grade



1	MN-C-A1	ADVANCED MODULE 1	6	6/120
2	MN-C-A2	ADVANCED MODULE 2	6	6/120
3	MN-C-A3	ADVANCED MODULE 3	6	6/120
4	MN-C-E1	EXPERIMENTAL MODULE 1	9	9/120
5	MN-C-E2	EXPERIMENTAL MODULE 2	9	9/120
6	MN-C-E3	EXPERIMENTAL MODULE 3	9	9/120
7	MN-C-P1	P MODULE 1	12	14/120
8	MN-C-P2	P MODULE 2	12	14/120
9	MN-C-P-RP	P MODULE & RP	15	17/120
10	MN-C-S	S MODULE	6	-
11	MN-C-Ma	MASTER MODULE	30	30/120



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Recommended study plan – 1st Semester

Semester	Module	Lecture + Seminar (hours per week)	Lab course (weeks)	Credits
1	M-A1	4		6
	M-E1		8	9
	M-A2	4		6
	M-A3 or	4		6
	M-E2		8	9
				27 or 30

- **A- BC (Biochemistry)** cannot be taken in the first semester!

Recommended study plan – 2nd Semester

Semester	Module	Lecture + Seminar (hours per week)	Lab course (weeks)	Credits
2	M-E2 or M-A3	4	8	9 Or 6
	M-E3		8	9
	M-P1	2-4	9-10	12
	M-P2 starting...	2-4	9-10	12
				37-42

Recommended study plan – 3rd/4th Semester

Semester	Module	Type of Module	Lecture + Seminar (hours per week)	Lab course (weeks)	Credits
3	M-P-RP	Project module II	2-4	9-10	15
	M-P-S	Supplementary Module	maybe	maybe	6
					21-33
4	M-Ma	Master-Thesis (6 months)		26	30
					30



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The Mentor Program

- Each MSc student is assigned to mentor (professor of the Chemistry department)
 - can be contacted for individual study-related counseling
 - approvals S module concept

Dementoren:



Mentoren:



7350269	Mathur
7377710	Schmidt
7378295	Kath-Schorr
7377809	Wickleder
7428495	Gather
7377821	Mathur
7366246	Mathur
7377773	Klein
7377815	Wickleder
7369886	Mathur
7382428	Giernoth
7367691	Ruschewitz
7370163	Griesbeck




Specialization: optional - but no obligation

One **Master of Chemistry** Four Areas of Specialization



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Nanochemistry & Functional Materials

This specialization offers conceptual and experimental advancement in the chemistry of nanomaterials.

Starting from fundamental concepts of nanochemistry you will acquire skills in the preparation, investigation and characterization of nano-structured materials using a broad toolset of synthetic and analytical methods. You will experience the importance of materials in many applications and will learn to assess their potential in energy harvesting and storage, catalysis, (gas)sensing, biomedical applications and many more.

Program Advisors:
[Prof. Sanjay Mathur](#)
[Prof. Uwe Ruschewitz](#)

Advanced and Experimental Modules:
Inorganic and Physical Chemistry
3 Project modules and Master thesis in this area.



Catalysis & Synthesis

This program gives you access to modern concepts in synthesis and catalysis.

The program will provide you with training in the chemical synthesis of organic molecules with an emphasis on metal-, organo- and photocatalysis. You will learn about key concepts and how to apply modern synthetic (and analytical) methods for the synthesis of relevant compounds, such as bioactive agents, in an efficient, stereoselective and sustainable manner.

Program Advisors:
[Prof. Ralf Giernoth](#)
[Prof. Albrecht Berkessel](#)

Advanced and Experimental Modules:
Inorganic and Organic Chemistry
3 Project modules and Master thesis in this area.



Photonics & Photochemistry

This program gives you an insight to the exciting world of photonics and photochemistry.

You will be trained in the basics of photochemistry and photophysics of p-conjugated (supra-)molecular and plasmonic systems. You will acquire skills in designing structure-property relations and in using light to control chemical reactions. In addition, you will be involved in the preparation of photonic devices such as light-emitting diodes, solar cells, optical sensors and switches. Finally, you will learn how to use (laser-based) spectroscopic techniques for the in-depth characterization of the above systems.

Program Advisors:
[Prof. Klaus Meerholz](#)
[Prof. Axel Griesbeck](#)

Advanced and Experimental Modules:
Organic and Physical Chemistry
3 Project modules and Master thesis in this area.



Bioorganic & Bio- logical Chemistry

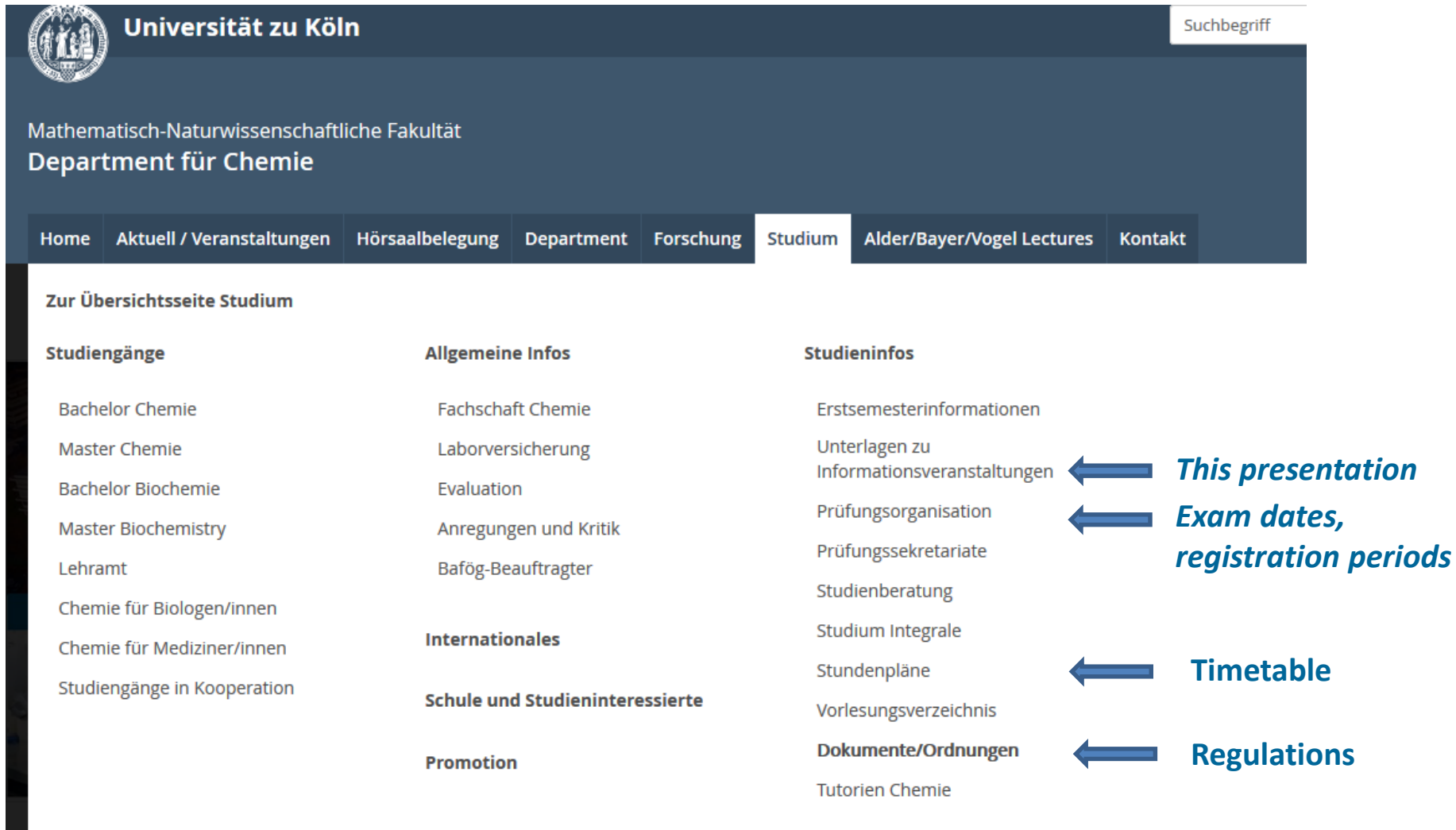
This program gives you access to the exciting world of bioorganics .

Three modules are offered with a focus on biochemistry and bioorganic chemistry that provides students with a background in biochemistry, new insights into cellular enzymology with clinical aspects, structural biochemistry using X-ray crystallography, peptide synthesis and neuro-biochemistry.

Program Advisors:
[Prof. Günter Schwarz](#)
[Prof. Hans-Günther Schmalz](#)

Advanced and Experimental Modules:
Biochemistry and Organic Chemistry
3 Project modules and Master thesis in this area.

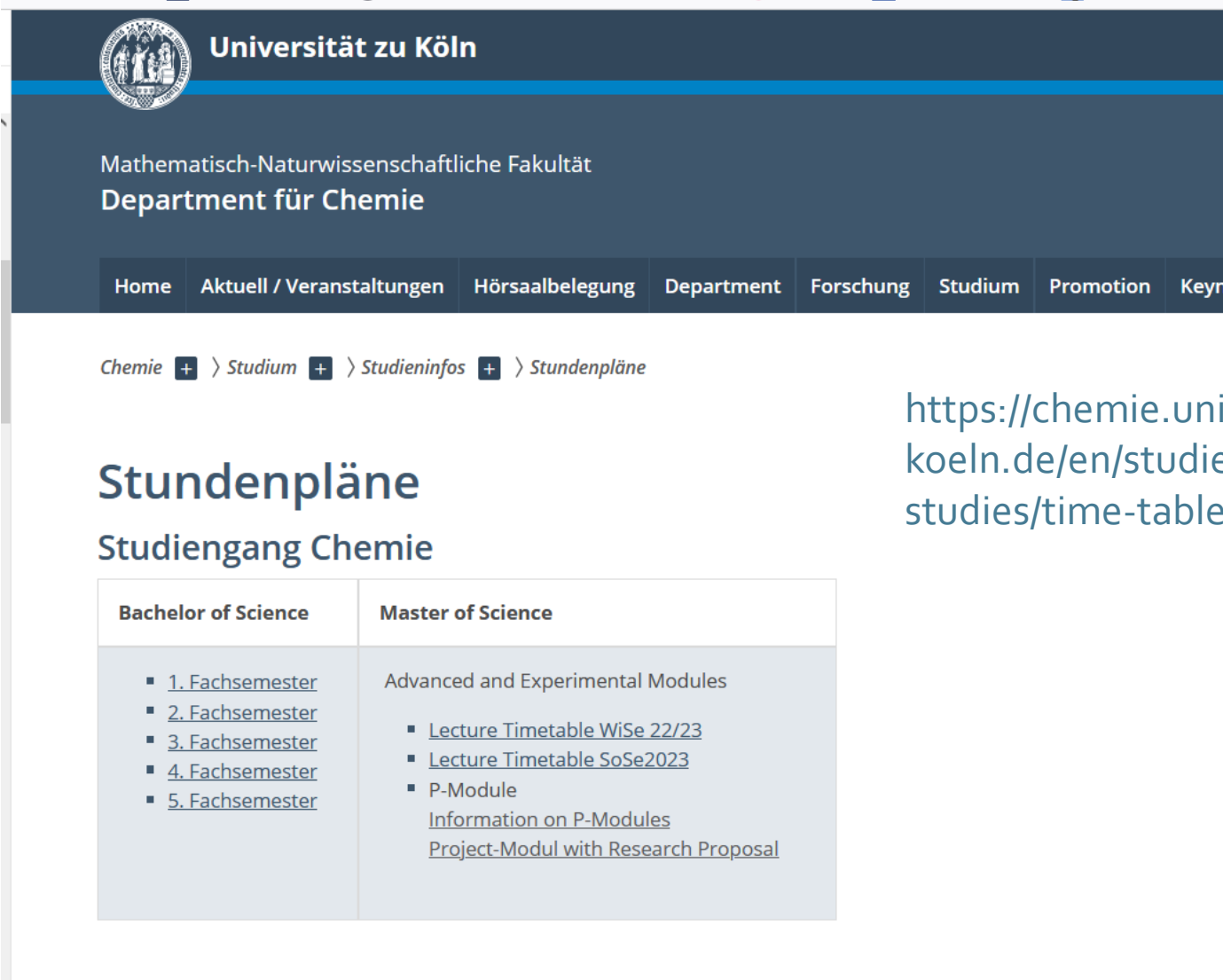
How to find information




The screenshot shows the website of the Department of Chemistry at the University of Cologne. The navigation menu includes: Home, Aktuell / Veranstaltungen, Hörsaalbelegung, Department, Forschung, Studium (highlighted), Alder/Bayer/Vogel Lectures, and Kontakt. The main content area is titled 'Zur Übersichtsseite Studium' and is organized into three columns: Studiengänge, Allgemeine Infos, and Studieninfos. Blue arrows point from specific items in the Studieninfos column to callouts on the right: 'This presentation', 'Exam dates, registration periods', 'Timetable', and 'Regulations'.

Studiengänge	Allgemeine Infos	Studieninfos	Callouts
Bachelor Chemie	Fachschaft Chemie	Erstsemesterinformationen	
Master Chemie	Laborversicherung	Unterlagen zu Informationsveranstaltungen	← This presentation
Bachelor Biochemie	Evaluation	Prüfungsorganisation	← Exam dates, registration periods
Master Biochemistry	Anregungen und Kritik	Prüfungssekretariate	
Lehramt	Bafög-Beauftragter	Studienberatung	
Chemie für Biologen/innen		Studium Integrale	
Chemie für Mediziner/innen	Internationales	Stundenpläne	← Timetable
Studiengänge in Kooperation	Schule und Studieninteressierte	Vorlesungsverzeichnis	
	Promotion	Dokumente/Ordnungen	← Regulations
		Tutorien Chemie	




Lecture Timetables



 **Universität zu Köln**

Mathematisch-Naturwissenschaftliche Fakultät
Department für Chemie

Home | **Aktuell / Veranstaltungen** | Hörsaalbelegung | Department | Forschung | Studium | Promotion | Keynote

Chemie  > Studium  > Studieninfos  > **Stundenpläne**

Stundenpläne

Studiengang Chemie

Bachelor of Science	Master of Science
<ul style="list-style-type: none">1. Fachsemester2. Fachsemester3. Fachsemester4. Fachsemester5. Fachsemester	<p>Advanced and Experimental Modules</p> <ul style="list-style-type: none">Lecture Timetable WiSe 22/23Lecture Timetable SoSe2023P-Module Information on P-Modules Project-Modul with Research Proposal

<https://chemie.uni-koeln.de/en/studies/information-on-studies/time-tables>



Module Responsibilities (Summer 2024)

Advanced (A) Modules:				☎ 0221-470
	IC	Prof. Dr. Sanjay Mathur Dr. Jörn Bruns	Sanjay.mathur@uni-koeln.de j.bruns@uni-koeln.de	-4107 -76103
	OC	Prof. Dr. Bernd Goldfuss	goldfuss@uni-koeln.de	-5729
	OC	PD Dr. Dirk Blunk	d.blunk@uni-koeln.de	-5213
	OC	Prof. Dr. Ralf Giernoth	ralf.giernoth@uni-koeln.de	-3094
	PC	Prof. Klas Lindfors	Klas.lindfors@uni-koeln.de	-4265
	TC	PD Dr. Michael Hanrath	michael.hanrath@uni-koeln.de	-6889
Experimental (E) Modules:				
	IC	Prof. Dr. Uwe Ruschewitz	uwe.ruschewitz@uni-koeln.de	-3285
	OC	Prof. Dr. Ralf Giernoth	ralf.giernoth@uni-koeln.de	-3094
	PC	PD Dr. Dirk Hertel	Dirk.hertel@uni-koeln.de	-2494
	TC	PD Dr. Michael Hanrath	michael.hanrath@uni-koeln.de	-6889
(Information subject to change)				



Important Dates – Obligatory!

Module	Start Date	Time and Place
IC-A	lecture: 11.04.2024 (Thu) seminar: 22.04.2024 (Mo)	9:00 HS III 10:00 AC 414 (PD Dr. Bruns)
IC-E	12.08.2024 / 10:00 (Mo)	Preliminary meeting & safety instructions (Inorganic room AC 414, Prof. Ruschewitz)
OC-A	lecture: 10.4.2024 / 11:00 (We) seminar: 17.4.2024 / 16:00 (We)	Lecture Hall III (Prof. Goldfuss) Lecture Hall III
OC-E	17.4.2024, 15:00 (We)	Preliminary meeting & safety instructions (Expt. Sem.-Room 2, Prof. Giernoth)
PC-A	lecture: 09.04.2024 / 09:00 (Tue) seminar: 12.04.2024 / 09:00 (Fr)	PC302 PC302
PC-E	19.04.2024 / 10:00 – 11:00 (Tue)	Preliminary meeting & safety instructions PC302
TC-A	10.04.2024 / 9:00 (We)	9:00, Expt. Sem.-Room 2
TC-E	in block mode, by appointment	3rd lecture week, after April 22, Expt. Sem.-Room 1 or 2

Important Dates – Obligatory!

- **A-Modules:**
- Seminar kick-off meetings are compulsory
 - Assignment of talk topics
 - Later assignment not possible!!
- **E-Modules:**
- E module kick off meetings are compulsory
 - Safety instructions
 - No attendance to course is possible beyond



Important: Obligatory!

Enrollment period for all Advanced and Experimental Modules:

in KLIPS

April 08 to April 12, 2024

- **Module participation only possible when registered!**
- Registrations are valid only for the actual semester!
- E-Module registration only when corresponding A-Module is taken!
- Register only for the modules you plan to study this semester – and de-register, if you change your mind (or inform the examination office)!
- Be fair and do not block places others are waiting for!



Written and oral exams

- Registration is required for all exams!
 - 7 days before exam date **Latest**

Without registration for the exam you cannot participate.

- Written exams: online registration in KLIPS
- Oral exams: individual regulations may apply

- Absence (& no medical attest) -> failed attempt ☹️
 - some exams are restricted in trial numbers



Online Registration for Modules: KLIPS 2.0

Universität zu Köln KLIPS 2.0 Student: Test Test88Chemie

Search Log-out ? i de/en

University of Cologne

- Faculty
 - Faculty of Management, Econ
 - Faculty of Law
 - Faculty of Medicine
 - Faculty of Arts and Humanitie
 - Faculty of Mathematics and N
 - Faculty of Human Sciences
- Zentrale Einrichtungen

Mr. **Test88Chemie, Test**

Email: Klips88032@verw.uni-koeln.de

Homepage: -

Your picture could be displayed here

Teaching & Research	Studies	Resources	Services
★ Course bookmarks	Print Documents	Calendar	StudentCard Image Upload
	Social Fee	Personal Settings	
	Student Dossier		
	Student Files		
	Applications		
	Course Registration		
	Exam Registration		
	Exam Results		
	Transcript of Records		
	Accreditation/Recognition		
	Registration Status		
	Current/Home Address		

Registration status Studienstatus



Online Registration for Modules: KLIPS 2.0

The screenshot shows the KLIPS 2.0 interface for a student named 'Test88Chemie'. A table lists study programs, with the entry for 'Chemie' highlighted by a red circle.

ID of study programme	Name of study programme	Curriculum	Status (17W)	Date	Subject-specific semester	Time limitations	Suspensions
1110 88 032	Chemie	20152	registered	01.10.2017	6 FS / -	-	-

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Online Registration for Modules: KLIPS 2.0

Curricula Support v1.1 - KLIPS 2.0 - Universität zu Köln - Mozilla Firefox
https://klips2.uni-koeln.de/co/wbstpcs.showSpoTree?pStStudiumNr=1127806&pSjNr=1668&pStpStpNr=4081

Test88Chemie, Test (0088032)

Curricula Support v1.1

88 032 Chemie (HG-NRW/20152, Master programme, current); eingeschrieben
Academic year 2017/18

Subject-specific semester: 5

Go to

Registration status

Operation

Display Refresh Show inact. nodes

achievements Show

Node all Alloc. achievement Inact. result Exam date Registered examination
Reg. course Semester plan

Academic achievements, by: 09.01.2017 11:05

Node-Name	rec. sem.	Credits	Duration	WF	Results	Sel	Pass	DF	RM	Cre	CREF	Grade	MP	WA	FRV
<input type="checkbox"/> [20152] Chemie		120		1			P	EN	R	0					
<input type="checkbox"/> [20152] Advanced and Experimental Modules		45		1		✓	P	EN	R	0					
<input type="checkbox"/> [20152] Project Modules		39		1			P	EN	R	0					
<input type="checkbox"/> [20152] Supplementary Module		6		0			P		R	0					
<input type="checkbox"/> [20152] Master Module		30		1			P	EN	R	0					

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für Chemie



D

Online Registration for Modules: KLIPS 2.0

Curricula Support v1.1 - KLIPS 2.0 - Universität zu Köln - Mozilla Firefox
https://klips2.uni-koeln.de/co/wbstpcs.showSpoTree?pStStudiumNr=1127806&pSJNr=1668&pStpStpNr=4081

Test88Chemie, Test (0088032)

Go to
Registration status

Operation
Display Refresh Show inact. nodes

achievements Show

Node all Alloc. achievement Inact. result Exam date Registered examination
Reg. course Semester plan

Curricula Support v1.1
88 032 Chemie (HG-NRW/20152, Master programme, current); eingeschrieben
Academic year 2017/18

Subject-specific semester: 5

Academic achievements, by: 09.01.2017 11:05

Node-Name	rec. sem.	Credits	Duration	WF	Results	Sel	Pass	DF	RM	Cre	CREF	Grade	MP	WA	FRV
<input type="checkbox"/> [20152] Chemie		120		1			P	EN	R	0					
<input type="checkbox"/> [20152] Advanced and Experimental Modules		45		1		<input checked="" type="checkbox"/>	P	EN	R	0					
<input type="checkbox"/> [20152] Inorganic Chemistry		15		1		<input checked="" type="checkbox"/> W	P	EN	R	0					
<input type="checkbox"/> [20152] Organic Chemistry		15		1		<input type="checkbox"/> W	P	EN	R	0					
<input type="checkbox"/> [20152] Physical Chemistry		15		1		<input type="checkbox"/> W	P	EN	R	0					
<input type="checkbox"/> [20152] Biochemistry		15		1		<input type="checkbox"/> W	P	EN	R	0					
<input type="checkbox"/> [20152] Theoretical Chemistry		15		1		<input checked="" type="checkbox"/> W	P	EN	R	0					
<input type="checkbox"/> [20152] Project Modules		39		1			P	EN	R	0					
<input type="checkbox"/> [20152] Supplementary Module		6		0			P		R	0					
<input type="checkbox"/> [20152] Master Module		30		1			P	EN	R	0					

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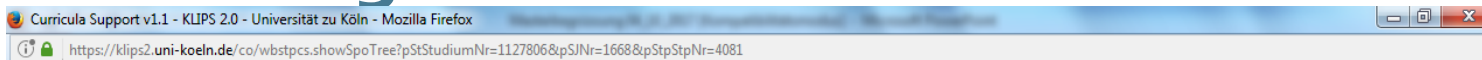
Remember:

- Choose only the modules you want to study in the actual semester.
- De-register, if you change your mind!

Department
für Chemie

Universität
zu Köln

Online Registration for Modules: KLIPS 2.0



Test88Chemie, Test (0088032)

Curricula Support v1.1

88 032 Chemie (HG-NRW/20152, Master programme, current); eingeschrieben
Academic year 2017/18

Subject-specific semester: 5

Go to

Registration status

Operation

Display Refresh Show inact. nodes

achievements Show

Node all Alloc. achievement Inact. result Exam date Registered examination
Reg. course Semester plan

Click on the plus symbol

Academic achievements, by: 09.01.2017 11:05

Node-Name	rec. sem.	Credits	Duration	WF	Results	Sel	Pass	DF	RM	Cre	CREF	Grade	MP	WA	FRV
<input type="checkbox"/> [20152] Chemie		120		1			P	EN	R	0					
<input type="checkbox"/> [20152] Advanced and Experimental Modules		45		1		✓	P	EN	R	0					
<input type="checkbox"/> [20152] Inorganic Chemistry		15		1		M W	P	EN	R	0					
<input type="checkbox"/> [20152] Organic Chemistry		15		1		W	P	EN	R	0					
<input type="checkbox"/> [5816A-OC] Advanced Organic Chemistry		6		6			P	EN	R						
<input type="checkbox"/> [5816A-OC] Lecture				1			P		R						
Examination(s) in academic year 2017/18															
Lecturer (Assistant)															
Place (1st session)															
Time (1st session)															
14816.1120 17W 2SH L Advanced Organic Chemistry (MN-C-A-OC)						T	Blunk D, Breugst M		322 Hörsaal III (149 Sitzpl.) (322/EG/Hörsaal III)			11.10.17			
14816.1120 18S 2SH L Advanced Organic Chemistry (MN-C-A-OC)						T	Breugst M, Goldfuß B		322 Hörsaal III (149 Sitzpl.) (322/EG/Hörsaal III)			11.04.18			
<input type="checkbox"/> [5816A-OC] Seminar				1				P		R					
<input type="checkbox"/> [5816A-OC] Module Examination				1				P	EN	R					
<input type="checkbox"/> [5816E-OC] Experimental Organic Chemistry		9		9				P	EN	R					
<input type="checkbox"/> [20152] Physical Chemistry		15		1		W	P	EN	R	0					
<input type="checkbox"/> [20152] Biochemistry		15		1		W	P	EN	R	0					
<input type="checkbox"/> [20152] Theoretical Chemistry		15		1		M W	P	EN	R	0					
<input type="checkbox"/> [20152] Project Modules		39		1			P	EN	R	0					
<input type="checkbox"/> [20152] Supplementary Module		6		0			P		R	0					
<input type="checkbox"/> [20152] Master Module		30		1			P	EN	R	0					

Click on the T symbol

Then you can register for the type of lesson. You have to do it for all your modules (lecture, seminar, lab course) you want to study this semester.



Online Registration for Modules: KLIPS 2.0

Problems with registration in Klips 2.0 for modules or exams?
Please contact the **Examination Office**:

Marion Danitz

marion.danitz@uni-koeln.de

Room HS 118

Tel. +49-221-470-2239

Dr. Heike Henneken

heike.henneken@uni-koeln.de

Room HS 113a

Tel. +49 221 470 1791



P- and S-modules: Your responsibility!

P- and S-modules request **individual organization by you!**

– see list of possible options and subjects here:

<https://chemie.uni-koeln.de/studium/studieninfos/dokumente-ordnungen>

– get in contact with subject responsables to request details

– For external modules:

- inform ext. supervisor on module components (lecture, seminar, research lab course)
- find internal supervisor

– for the S-module, involve your **mentor**

**Registration with examination office (M. Danitz)
at least one week before start!**



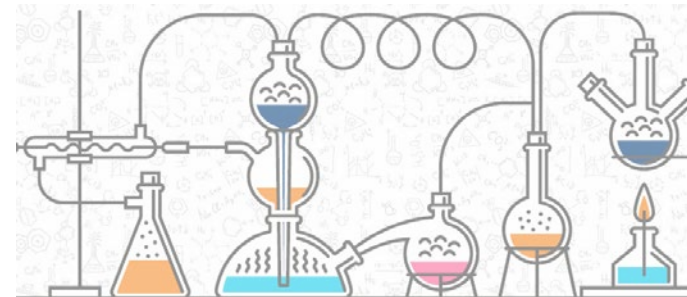
Project (P) Modules

A: Chemical Project modules

- P-IC Inorganic Chemistry
- P-OC Organic Chemistry
- P-PC Physical Chemistry
- P-ThC Theoretical Chemistry (Quantum Chemistry)
- P-BC Biochemistry (Biological Chemistry)
- P-TeC Technical Chemistry
- P-NC Nuclear Chemistry
- P-MC Macromolecular Chemistry

B: Non-chemical Project modules

- P-Phy Physics
- P-Cry Cristallography
- P-Min Mineralogy
- P-Gen Genetics
- P-Inf Computer Sciences
- P-Pha Pharmacology und Toxicology
- P-PhC Physiological Chemistry



You can maximum
have
one non-chemical
project module!



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Project Module with Research Proposal (P-RP)

- P-module (lecture, seminar, lab course) + completion & defense of a related research proposal (RP)
- Students who successfully completed this module are able to ...
 - prepare a research proposal for a specific scientific problem,
 - perform an in-depth critical literature search and document it,
 - perform an evaluation of current methods and technologies, a description of possible solutions to the problem together with a literature description and a time schedule for realization of the proposed research project.



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Supplementary (S) Module

Different options:

- one full A-Module (lecture, seminar, exam), or
- one A-lecture & and P-lecture with exam (A or P), or
- up to 3 P-module lectures (1–2 hours/week), or
- external experimental projects (with exam), or
- internal experimental projects (with exam), or
- any other stuff that is accepted (talk to mentor /examn. office)

more details:

<http://www.chemie.uni-koeln.de/docs.html?&L=1>



ILIAS e-Learning Platform

<https://www.ilias.uni-koeln.de>

- If subscribed to a course in KLIPS, subscription to the corresponding ILIAS course is automatic.
- Stay patient if content is not online (yet)
- ILIAS provides you with information and material relevant for the running courses.
 - Contact your lecturer if you experience any difficulties in finding your course or signing in.



ILIAS e-Learning Plattform

<https://www.ilias.uni-koeln.de>



The screenshot shows the top navigation bar of the ILIAS e-Learning platform. On the left is the University of Cologne logo and the text 'Universität zu Köln'. On the right are links for 'Help', 'Language' (with a dropdown arrow), and 'Login'. Below this is a dark blue banner with the text 'E-Learning an der Universität zu Köln'. Underneath the banner are two buttons: 'Repository' and 'Support', both with dropdown arrows.

Repository

Repository

Willkommen auf der E-Learning-Plattform der Universität zu Köln

Alle verfügbaren E-Learning-Angebote finden Sie in den entsprechenden Kategorien des Magazins, das nach den jeweiligen Fakultäten und Fachbereichen geordnet ist. Die Kurse zu Ihren Lehrveranstaltungen finden Sie unter "Veranstaltungen".

CATEGORIES



 **Veranstaltungen** 

Alle E-Learning-Kurse geordnet nach Semestern

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 **WiSo** 

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✉ 🔍 Hilfe 👤 ⚙️

Übersicht

Aktionen ▾

Neuigkeiten - Letzte Woche ⚙️

Kurs: [SoSe20] Analytik und Spektroskopie I (MN-C-AS I) [C_3Bel]
Es wurden 5 Dateien hinzugefügt.

Forum: Diskussionsforum
12 Beiträge hinzugefügt.



Ausgewählte Angebote ⚙️

Department für Chemie

-  [SoSe20] Analytik und Spektroskopie I (MN-C-AS I) [C_3Bel] ▾
-  [SoSe20] Green Chemistry - Nachhaltigkeit in der Chemie, Studium Integrale [C_3Bel] ▾
-  [SoSe20] Praktikum zum Wahlpflichtfach Organische Chemie (MN-C-WP-OC) ▾
-  [SoSe20] Switching Molecules Trough External Triggers (MN-C-P-OC) ▾
-  [SoSe20] Wahlpflichtfach Organische Chemie (MN-C-WP-OC) ▾

Kalender ⚙️

◀ Apr 2020 ▶

Mo	Di	Mi	Do	Fr	Sa	So
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			



Mail ⚙️

0 Mail(s)

Notizen ⚙️

0 Notizen

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Magazin > Veranstaltungen > Sommersemester 2020 KLIPS > Mathematisch-Naturwissenschaftliche Fakultät > Department für Chemie > [SoSe20] Analytik und Spektroskopie I (MN-C-AS I) [C_3Bel]

[SoSe20] Analytik und Spektroskopie I (MN-C-AS I) **Aktionen** ▾

[C_3Bel]

Vortragende/r: Schäfer, Mathias Otto Wilhelm; Schlörer, Nils; Giernoth, Ralf Wolfgang

Inhalt | Info | Einstellungen | Mitglieder | Metadaten | Export | Rechte | Elektronischer Semesterapparat | Voransicht als Mitglied aktivieren >

Zeigen | Verwalten | Sortierung | Seite gestalten

INHALT

 001 Videobotschaft der Dozenten ▾

 002 Bitte zuerst lesen!
R. Giernoth ▾


 01 UV/Vis-Spektroskopie
R. Giernoth ▾

Neues Objekt hinzufügen ▾

Kalender

← Apr 2020 →

Mo	Di	Mi	Do	Fr	Sa	So
		1	2	3	4	5
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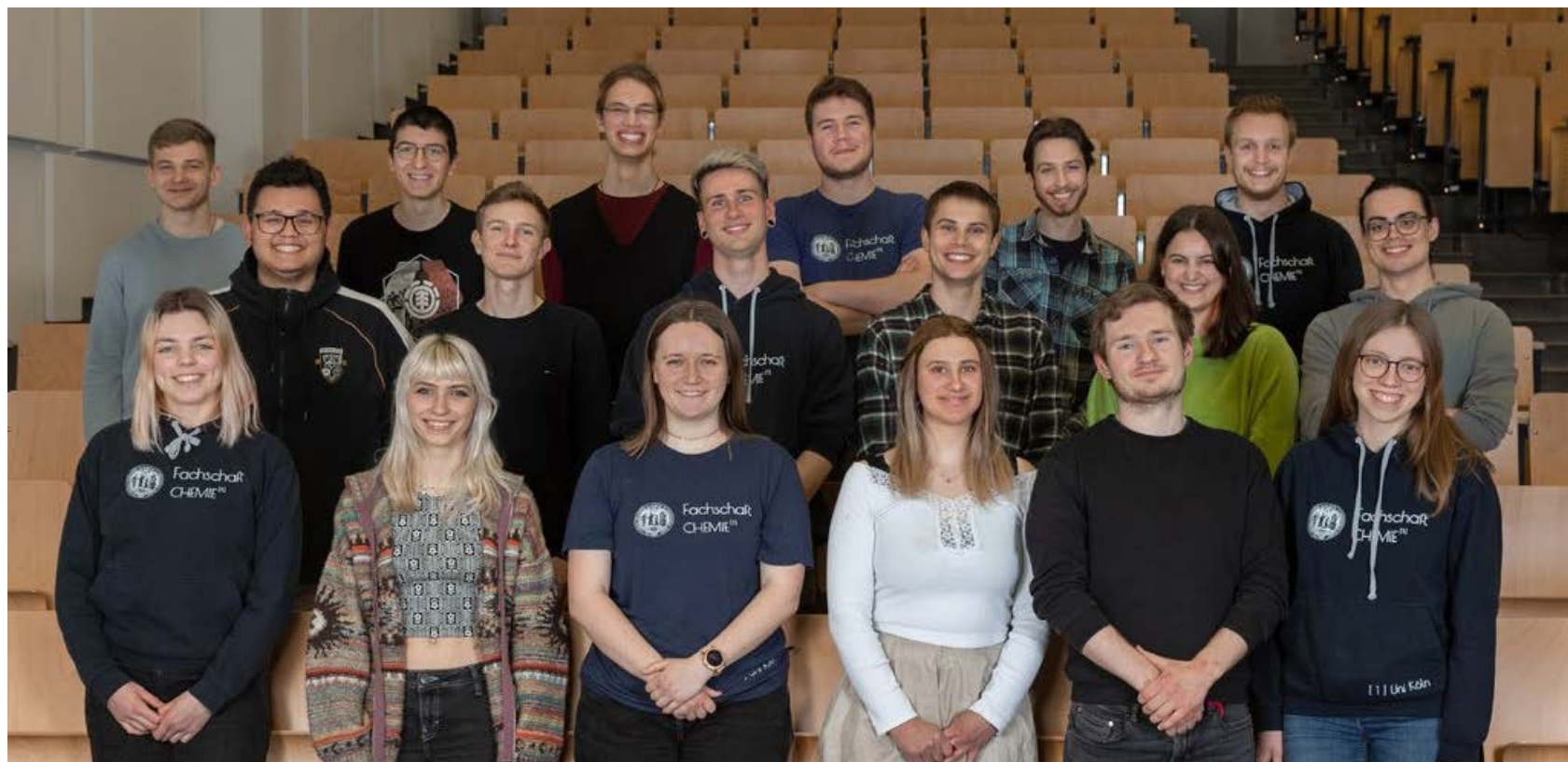


Student council of our chemistry department = "Fachschaft Chemie"



Fachschaft Chemie
Universität zu Köln

<https://fs-chemie.uni-koeln.de/>



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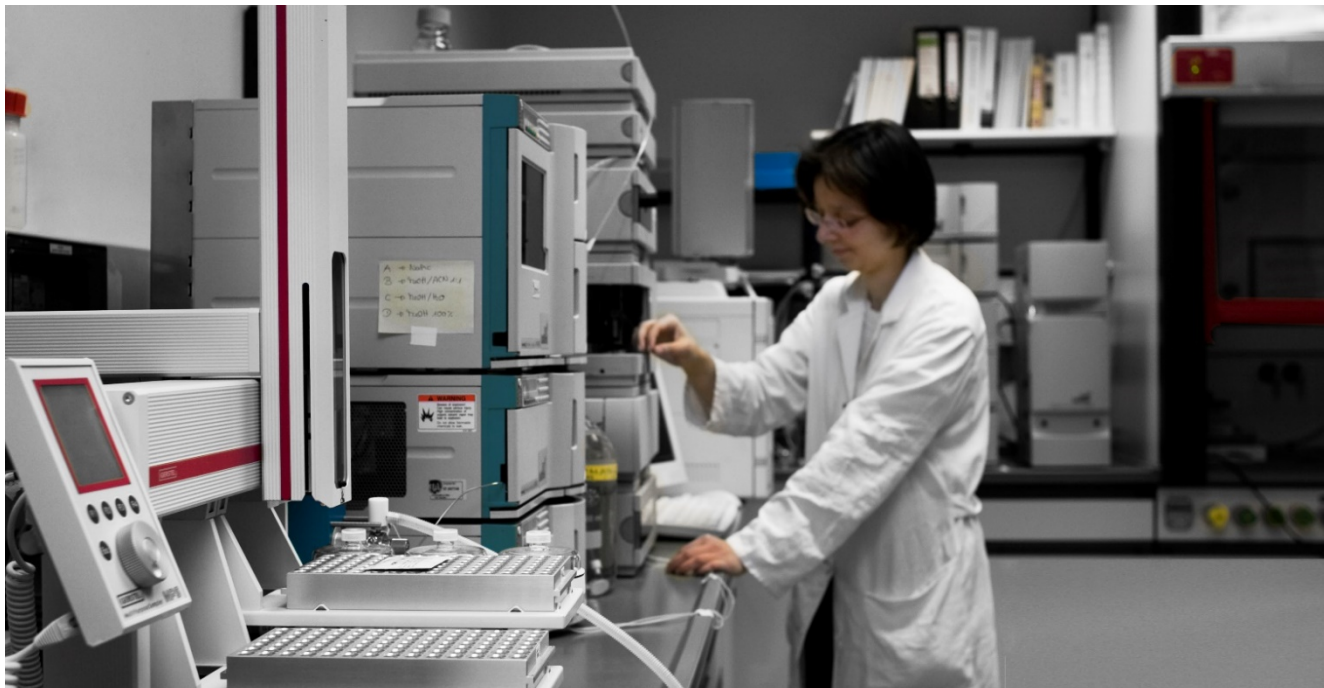
Contact: Dr. Heike Henneken



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für Chemie



Laboratory liability Insurance



We strongly recommend that all students take out their own private (laboratory) liability insurance or secure insurance cover through their parents.

Find out more:

<https://chemie.uni-koeln.de/studium/allgemeine-infos/laborversicherung>



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