

We provide an online
ZOOM digital meeting



Department
für Chemie



on **Monday, April 6, 11:00-13:00**, for all new
Master students and the responsible people !!

If you want to participate, please use:

<https://uni-koeln.zoom.us/j/201314020?pwd=T0VhQ0haaFJuVTlqYkY1MkpIS0pEUT09>
(copy the link into your browser and start)

Meeting-ID: 201 314 020

Password: 692425

Master Welcome – Digital Meeting

Monday, 06.04.2020

Welcome to the Department of Chemistry

Summer-Semester 2020

Class 19 (since start)/**10** (since new system)



Who is responsible for the organisation?



Prof. Dr. Axel
Griesbeck
(Organic Chemistry)
Chairman M.Sc.
Examination Board



Prof. Dr. Mathias
Wickleder
(Inorganic Chemistry)
Vice-Chairman M.Sc.
Examination Board



Prof. Dr. Ralf
Giernoth
(Organic Chemistry)
Study Coordinator



Dr. Heike
Henneken
(Physics)
Student Advisory Service,
International Affairs



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Program Language = English only!

But:

*It is always good to learn some German
for ordering beer,
Talking to administrative people ...*



Train your English!

active:

writing (reports...)

written exams

speaking (presentations...)

oral exams

passive:

reading (journals...)

listening (lectures...)

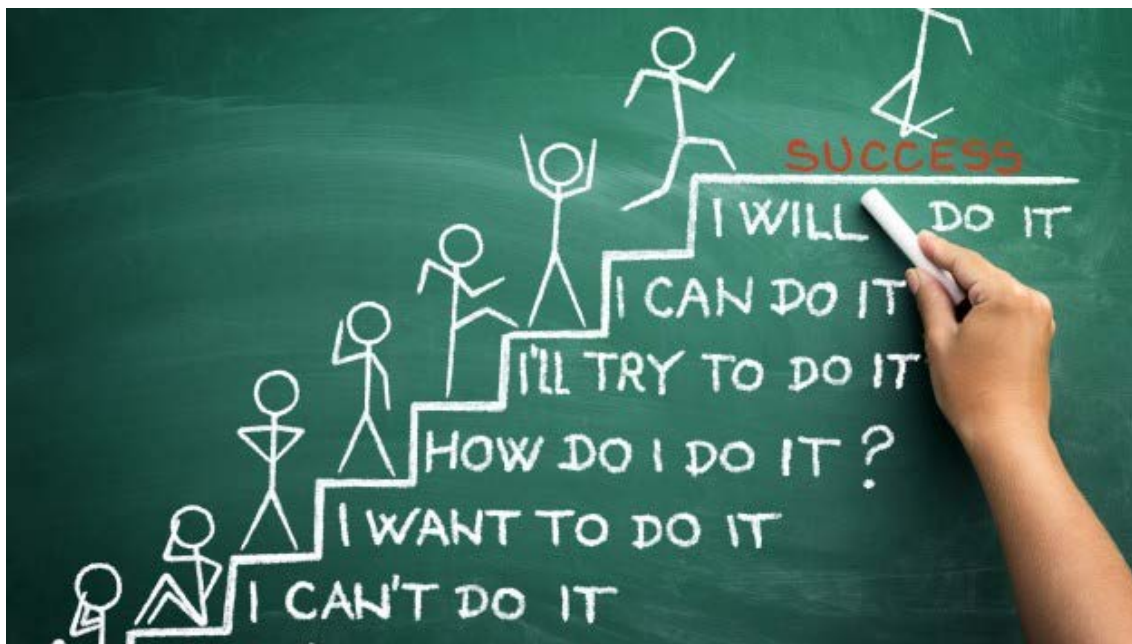


*...even your
professors are not
in teaching in
English!*

Expectations on the Master program

- Bachelor program with some more demand?
- Route to scientific individualization?

Establishing high level education and specialization



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Universität
zu Köln



High level education

3 A-Lecture modules
combined with
3 E-lab course modules

Specialization
2 project modules (P)

1 project module with combined research proposal (P&RP)

1 supplementary module (S)

Master-Thesis (M)



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credits %total grade



1	MN-C-A1	ADVANCED MODULE 1	x	x		6	6/120
2	MN-C-A2	ADVANCED MODULE 2	x	x		6	6/120
3	MN-C-A3	ADVANCED MODULE 3	x	x		6	6/120
4	MN-C-E1	EXPERIMENTAL MODULE 1			x	9	9/120
5	MN-C-E2	EXPERIMENTAL MODULE 2			x	9	9/120
6	MN-C-E3	EXPERIMENTAL MODULE 3			x	9	9/120
7	MN-C-P1	P MODULE1	x	x	x	12	14/120
8	MN-C-P2	P MODULE 2	x	x	x	12	14/120
9	MN-C-P-RP	P MODULE & RP	x	x	x	15	17/120
10	MN-C-S	S MODULE	x	x	x	6	-
11	MN-C-Ma	MASTER MODULE				30	30/120



Recommended study plan – 1. Semester

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

Not possible for the Biochemistry A-module!
BC A&E is not in the 1st semester...



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Recommended study plan – 2. Semester

Semester	Module	Lecture + Seminar (hours per week)	Lab course (weeks)	Credits
2	M-E2	4	8	9
	M-E3		8	9
	M-P1	2-4	9-10	12
	M-P2 Starting...	2-4	9-10	12
				30-42



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Recommended study plan – 3./4. 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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Project 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	Nuclearchemistry
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 choose max. one
non-chemical project module!



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Project module with research proposal (P-RP)

The research proposal is part of the P-RP module and its successful transcription and defence is documented by the signature of the examiner before the start of the oral exam.

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.



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The S-module (= Supplementary module)

You have a wide collection of opportunities:

- 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 SWS), or
- external experimental projects (with exam), or
- internal experimental projects (with exam), or
- other stuff that is accepted...

MORE DETAILS:

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

Your mentor becomes very important !!!!!



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Mentor program

Each student is assigned a professor as a mentor.
The task of the mentor is, in particular, the individual study-related counseling.

in German

Jedem/r Studierenden wird ein/eine
Hochschullehrer/in als Mentor/in zugewiesen.
Aufgabe des/der Mentors/in ist insbesondere die
individuelle studienbegleitende Beratung.

Die Mentoren aus dem B.Sc. Studium an der Uni Köln
werden im Studium M.Sc. beibehalten, können auf
Wunsch aber gewechselt werden.

Bitte sprechen Sie bei Bedarf mit dem Prüfungsamt.

Dementoren:



Mentoren:



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Mentor program SS2020

still to be finished:

Xxxxxxx

Prof. xyz

Dementoren:



Mentoren:



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Specialization

This is a possibility but not an 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.

→ <http://www.chemie.uni-koeln.de/>

English

Meistbesucht Erste Schritte Aktuelle Nachrichten Links anpassen No Flash plugin Matrix Access Gateway

University of Cologne

Faculty of Mathematics and Natural Sciences
Department of Chemistry

Search for Deutsch

Home News Occupancy of Lecture Rooms Department Research Studies Alder/Bayer/Vogel Lectures Contact

Lectures and Dates

No events found.

Bitte beachten Sie die neuen Klausurregeln und Regelungen zu den Praktikumsprotokollen!

Vorkurs und Orientierungseinheit für Erstsemester Bachelor Chemie

Erstsemesterinformationen Chemie B. Sc., M. Sc. und Lehramt

Aktuell

Aus dem Department	Studium & Lehre	Stellenangebote



Mathematisch-Naturwissenschaftliche Fakultät
Department für Chemie

Home Aktuell / Veranstaltungen Hörsaalbelegung Department Forschung Studium Alder/Bayer/Vogel Lectures Kontakt

Zur Übersichtsseite Studium

Studiengänge

Bachelor Chemie
Master Chemie
Bachelor Biochemie
Master Biochemistry
Lehramt
Chemie für Biologen/innen
Chemie für Mediziner/innen
Studiengänge in Kooperation

Allgemeine Infos

Fachschaft Chemie
Laborversicherung
Evaluation
Anregungen und Kritik
Bafög-Beauftragter

Internationales

Schule und Studieninteressierte

Promotion

Studieninfos

Erstsemesterinformationen
Unterlagen zu Informationsveranstaltungen
Prüfungsorganisation
Prüfungssekretariate
Studienberatung
Studium Integrale
Stundenpläne
Vorlesungsverzeichnis
Dokumente/Ordnungen
Tutorien Chemie



***This presentation
Exam dates,
registration periods***

Timetable

Regulations



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time schedule

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



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Module responsibilities summer 2020

Advanced (A)				
Module	Area	Name	E-Mail	Phone
		Prof. Dr. Mathias Wickleder	mwickled@uni-koeln.de	-3262
	IC	Dr. Jörn Bruns	j.bruns@uni-koeln.de	-76103
	OC	PD Dr. Dirk Blunk	d.blunk@uni-koeln.de	-5213
		Prof. Dr. Bernd Goldfuß	goldfuss@uni-koeln.de	-5729
		PD Dr. Martin Breugst	mbreugst@uni-koeln.de	-3294
	PC	Prof. Dr. Annette Schmidt	annette.schmidt@uni-koeln.de	-4265
	TC	PD Dr. Michael Hanrath	michael.hanrath@Uni-koeln.de	-6889
Experimental (E)				
Module	Area	Name	E-Mail	Phone
	IC	Prof. Dr. Uwe Ruschewitz	uwe.ruschewitz@uni-koeln.de	-3285
	OC	PD Dr. Martin Breugst	mbreugst@uni-koeln.de	-3294
	PC	Dr. Hanna Krikczikat	hanna.krikczikat@uni-koeln.de	-3942
	TC	PD Dr. Michael Hanrath	michael.hanrath@Uni-koeln.de	-6889

Stand per 26.03.2019, Matter of changes



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Important, obligatory!

Module	START - Date	Time and Place	
IC-A	Thursday, 23. 04. 2020	11:00-12:30 in experimental seminar room B or digital via ILIAS. Further information to the IC-A-seminar after April 20 th	
IC-E	10.8.2020	course time: 10.8.-9.10.2020 (6 weeks) in IC research groups	
OC-A	Wednesday, 22. 04. 2020	11:00-12:30 in lecture hall III or digital via ILIAS (already starting <i>April 8 !!!</i> ⇐)	
OC-E	Digital meeting and preliminary discussion (also to the OC-A seminar): Wednesday, April 15, 16-18, via a ZOOM meeting (tba)		
PC-A	Tuesday, 21.04.2020	lecture and seminar starts digitally on April 20 th	
PC-E	tba	lab course starts digitally on April 20 th	
TC-A	Wednesday, 22. 04. 2020	Script will be uploaded in ILIAS from April 8 th ; Seminar: questions will be uploaded in ILIAS from April 8 th	
TC-E	tba	there will be a digital programing course	

A-modules: at the compulsory kick-off meetings, the talk assignment will take place. Please note that it will not be possible to obtain a presentation topic after this date.

Please keep up to date!!!

E-modules: there is a compulsory attendance for this meeting and you will not be allowed to continue with this module if you miss this appointment and the safety instructions. *Please keep up to date!!!*



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Important, obligatory!

Enrollment period for all Advanced and Experimental Modules:
in Klips from **April 6 to April 12, 2020**

Without registration for the module no participation is possible.

To take part in the E-Module you **have to** be registered for the corresponding A-Module.

Choose only the modules you want to study in the actual semester.

De-register, if you change your mind!

If you can't do this by yourself, please inform the examination office!

Registrations of previous semester are not valid for the next one!

Be fair and don't block places others are waiting for.



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Important, obligatory!

Written and oral exams

You must register online in Klips for the written exams.

Without registration for the exam no participation is possible.

Registration period: latest 7 days prior to the date of the exam.

This is valid for all types of exams.

If you don't show up, without a medical certificate, the exam will be counted as not passed. One of your three trials to pass the exam will be gone.



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Online registration for modules- Klips 2.0

Universität zu Köln KLIPS 2.0 Student: Test Test88Chemie

Search Log-out Home ? i de/en

University of Cologne

- Faculty
 - Faculty of Management, Economics and Social Sciences
 - Faculty of Law
 - Faculty of Medicine
 - Faculty of Arts and Humanities
 - Faculty of Mathematics and Natural Sciences
 - 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 - Social Fee - Student Dossier - Student Files - Applications - Course Registration - Exam Registration - Exam Results - Transcript of Records - Accreditation/Recognition Registration Status - Current/Home Address	- Calendar - Personal Settings	StudentCard Image Upload

Registration status
Studienstatus

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
 - CAMPUSonline - KLIPS 2.0... x Study - KLIPS 2.0 - Universi... x UzK2015: Chemie x A • Englisch Deutsch Überset... x UzK2015: General x +

https://klips2.uni-koeln.de/co/webnav.ini Suchen

Meistbesucht Erste Schritte Aktuelle Nachrichten Links anpassen No Flash plugin Citrix Access Gateway

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

Test88Chemie, Test

Study

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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DE 12:39 20.09.2017

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
 [20152] Chemie		120		1			P	EN	R	0					
  [20152] Advanced and Experimental Modules		45		1		✓	P	EN	R	0					
  [20152] Project Modules		39		1			P	EN	R	0					
  [20152] Supplementary Module		6		0			P		R	0					
  [20152] Master Module		30		1			P	EN	R	0					

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Test88Chemie, Test (0088032)

Curricula Support v1.1

88 032 Chemie (HG-NRW/20152, Master programme, current); eingeschrieben
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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
☐ [20152] Chemie		120		1			P	EN	R	0					
☐ [20152] Advanced and Experimental Modules		45		1			P	EN	R	0					
☐ [20152] Inorganic Chemistry		15		1		☒ W	P	EN	R	0					
☐ [20152] Organic Chemistry		15		1		☐ W	P	EN	R	0					
☐ [20152] Physical Chemistry		15		1		☐ W	P	EN	R	0					
☐ [20152] Biochemistry		15		1		☐ W	P	EN	R	0					
☐ [20152] Theoretical Chemistry		15		1		☒ W	P	EN	R	0					
☐ [20152] Project Modules		39		1			P	EN	R	0					
☐ [20152] Supplementary Module		6		0					R	0					
☐ [20152] Master Module		30		1			P	EN	R	0					

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Choose only the modules you want to study in the actual semester.

De-register, if you change your mind!

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	CREP	Grade	MP	WA	FRV												
 [20152] Chemie		120		1			P	EN	R	0																	
 [20152] Advanced and Experimental Modules		45		1			P	EN	R	0																	
 [20152] Inorganic Chemistry		15		1			P	EN	R	0																	
 [20152] Organic Chemistry		15		1			P	EN	R	0																	
 [5816A-OC] Advanced Organic Chemistry		6		6			P	EN	R																		
 [5816A-OC] Lecture				1			P		R																		
Examination(s) in academic year  2017/18 <table> <tr> <th>Part</th><th>Lecturer (Assistant)</th><th>Place (1st session)</th><th>Time (1st session)</th></tr> <tr> <td></td><td>Blunk D, Breugst M</td><td>322 Hörsaal III (149 Sitzpl.)</td><td>11.10.17 11:00 - 13:00</td></tr> <tr> <td></td><td>Breugst M, Goldfuß B</td><td>322 Hörsaal III (149 Sitzpl.)</td><td>11.04.18 11:00 - 13:00</td></tr> </table>																Part	Lecturer (Assistant)	Place (1st session)	Time (1st session)		Blunk D, Breugst M	322 Hörsaal III (149 Sitzpl.)	11.10.17 11:00 - 13:00		Breugst M, Goldfuß B	322 Hörsaal III (149 Sitzpl.)	11.04.18 11:00 - 13:00
Part	Lecturer (Assistant)	Place (1st session)	Time (1st session)																								
	Blunk D, Breugst M	322 Hörsaal III (149 Sitzpl.)	11.10.17 11:00 - 13:00																								
	Breugst M, Goldfuß B	322 Hörsaal III (149 Sitzpl.)	11.04.18 11:00 - 13:00																								
 [5816A-OC] Seminar				1			P		R																		
 [5816A-OC] Module Examination				1			P	EN	R																		
 [5816E-OC] Experimental Organic Chemistry		9		9			P	EN	R																		
 [20152] Physical Chemistry		15		1			P	EN	R	0																	
 [20152] Biochemistry		15		1			P	EN	R	0																	
 [20152] Theoretical Chemistry		15		1			P	EN	R	0																	
 [20152] Project Modules		39		1			P	EN	R	0																	
 [20152] Supplementary Module		6		0			P		R	0																	
 [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.

**If there are any problems with the
registration in Klips 2.0 for modules or exams,
please contact the examination office**

Dr. Heike Henneken
heike.henneken@uni-koeln.de
-1791
Room Hs 113a



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Participate and get connected!

Go abroad!

Study Abroad



**Get informed one year in advance.
Ideal: P- or S-modules at other university**

Contact: Dr. Heike Henneken



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Success and fun in your master study program!



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