We provide an online
ZOOM digital meeting

on Monday, October 26, 14:00-15:00, for all new Master students and the responsible teaching staff!

If you want to participate, please use:
https://uni-koeln.zoom.us/j/99584582359?pwd=bzFRVXE0SkZ0WHlXdVBCY2Y2Z1ZDdz09

Meeting-ID: 995 8458 2359
Password: 492478

Master Welcome – Digital Meeting

Monday, 26.10.2020

Welcome to the Department of Chemistry
Winter-Semester 2020_2021
Class 20 (since start)/11 (since new system)

Department für Chemie

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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
(Managing Director)
Student Advisory
Service, Outgoings
on sabbatical leave

Dr. Thomas
Fischer
(Inorganic Chemistry)
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 …

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▪Bild: https://www.tolkiengesellschaft.de/16048/elbisch-und-andere-erfundene-sprachen-seminar-in-wien/

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!

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▪Bild: https://lifehopeandtruth.com/life/christian-living/nobodys-perfect/

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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Bild: https://theimpactnews.com/items-we-barely-use/retired-columnists/kiki-facts/2016/11/03/5-rules-for-success//

High level education

3 A (advanced) Lecture modules
combined with
3 E (experimental) 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**	**A**DVANCED MODULE 1	**x**	**x**		**6**	**6/120**
2	**MN-C-A2**	**A**DVANCED MODULE 2	**x**	**x**		**6**	**6/120**
3	**MN-C-A3**	**A**DVANCED MODULE 3	**x**	**x**		**6**	**6/120**
4	**MN-C-E1**	**E**XPERIMENTAL MODULE 1			**x**	**9**	**9/120**
5	**MN-C-E2**	**E**XPERIMENTAL MODULE 2			**x**	**9**	**9/120**
6	**MN-C-E3**	**E**XPERIMENTAL 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**	**MA**STER MODULE				**30**	**30/120**

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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 offered 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 Modul 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-AC	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 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 here!

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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.

<u>in German</u>

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 WS 2020/21

7307778	Mathur
7379579	Dolg
7379184	Giernoth
7336722	Mathur
7385368	Goldfuß
7337877	Mathur
7324363	Neumaier
7385202	Griesbeck
7379913	Lindfors
7335328	Hanrath
7385845	Mathur
7386032	Meerholz

7322989	Berkessel
7337235	Neumaier
7386198	Schäfer
5990114	Klein
7320649	Mathur
7336779	Dolg
7336945	Dolg
7335498	Dolg
7335801	Ruschewitz
7379008	Wickleder

Dementoren:

Mentoren:

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Specialization

This is a possibility but not an obligation

One **Master of Chemistry**

Four Areas of Specialization

Department für Chemie

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 photo-catalysis. 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 & Biological Chemistry

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

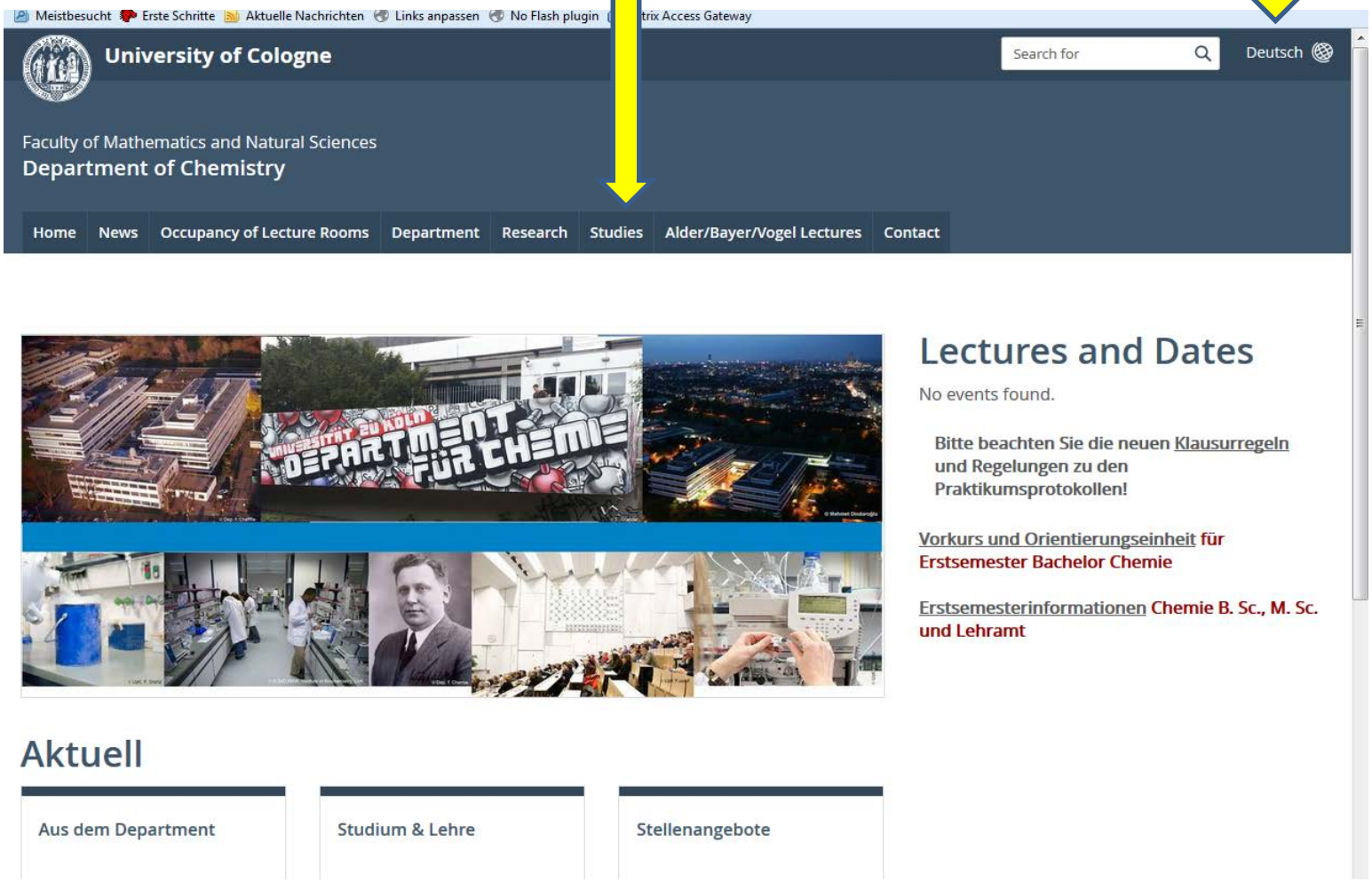
Three modules are offered with a focus on biochemistry and bioorganic chemistry that provides students with a background in biochemistry, new insights into cellular enzymology with clinical aspects, structural biochemistry using X-ray crystallography, peptide synthesis and neuro-biochemistry.

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



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Suchbegriff

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 ← ***This presentation***
- Prüfungsorganisation ← ***Exam dates, registration periods***
- Prüfungssekretariate
- Studienberatung
- Studium Integrale
- Stundenpläne ← **Timetable**
- Vorlesungsverzeichnis
- **Dokumente/Ordnungen** ← **Regulations**
- Tutorien Chemie

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Module responsibilities WS 2020/2021

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. Klas Lindfors	klas.lindfors@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 Krikcziokat	hanna.krikcziokat@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 (lecture) IC-A (seminar)	Thursday 05.11.2020 09.11.2020	10:00-12:00 9:00- 10:30	ZOOM meeting ZOOM meeting
IC-E	17.02.2021	9:00- 10:30	ZOOM meeting
OC-A	Wednesday, November 4, 2020	starts Wednesday, November 4, 11:00-12:30 digital via ZOOM lectures (also in ILIAS) https://www.ilias.uni-koeln.de/ilias/goto_uk_crs_3527224.html	
OC-E	Digital meeting and preliminary discussion (also to the OC-A seminar): Wednesday, Nov 4, 16-17, via a ZOOM meeting		
PC-A	Tuesday, 03.11.2020, 11-13	All information from Oct. 26 digital available via ILIAS	
PC-E	Monday 2.11.20 , 13-15, online Zoom	as a „digital lab course“	
TC-A	Monday, 2. 11. 2020, 12:00, Lecture Hall II (if possible, otherwise online ZOOM) http://www.tc.uni-koeln.de/02_teaching/02_Master/01_TCA_WiSe/index__en.html	Friday, 30. 10. 2020, online – please send an e-mail in advance to the lecturer	
TC-E	tba	*There will be a digital course in November*	

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 October 26 to October 31, 2020

Without registration for the module no participation is possible.

To take part in the E-Module you must be registered for the corresponding A-Module.

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

De-register, if you changed 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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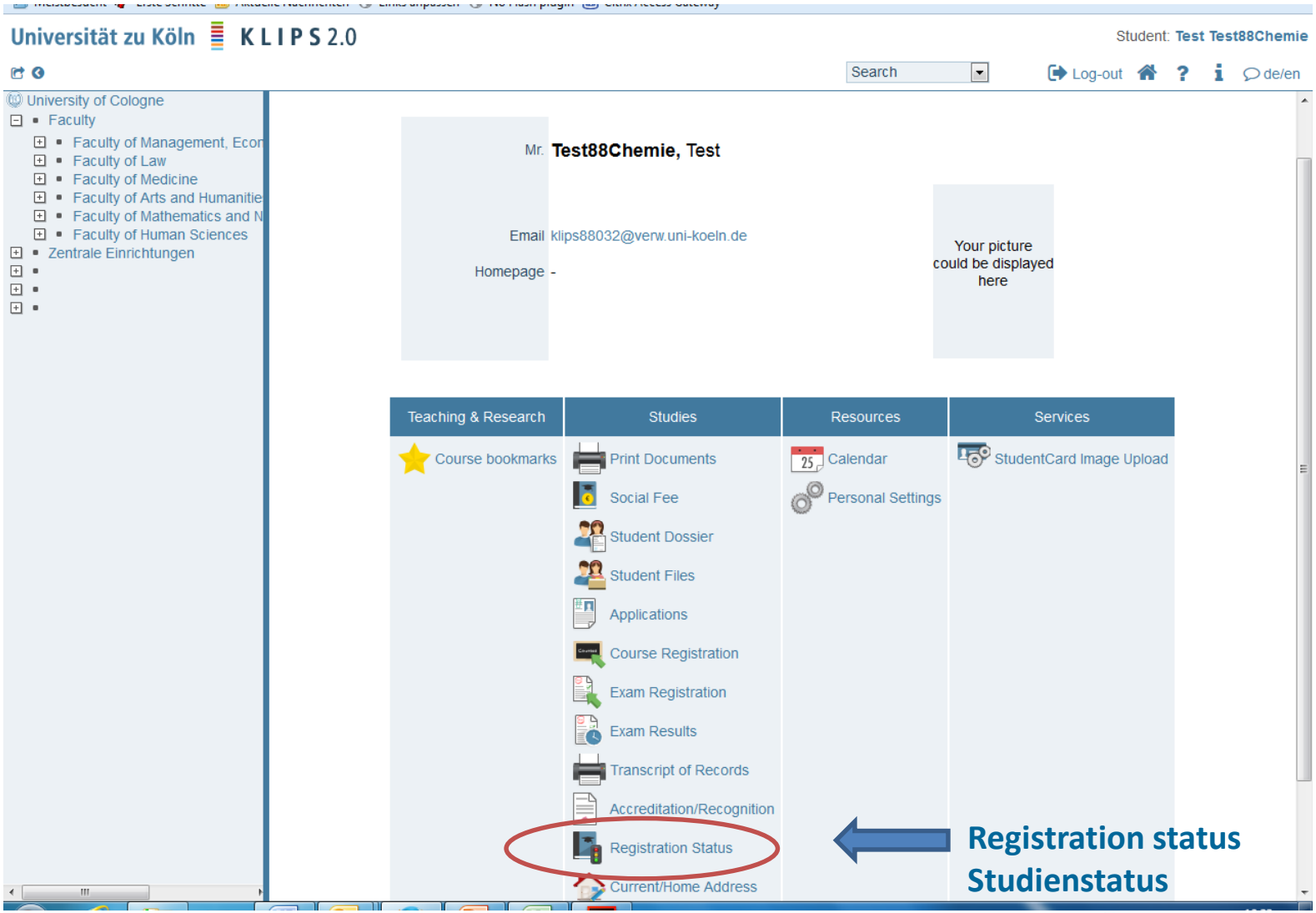
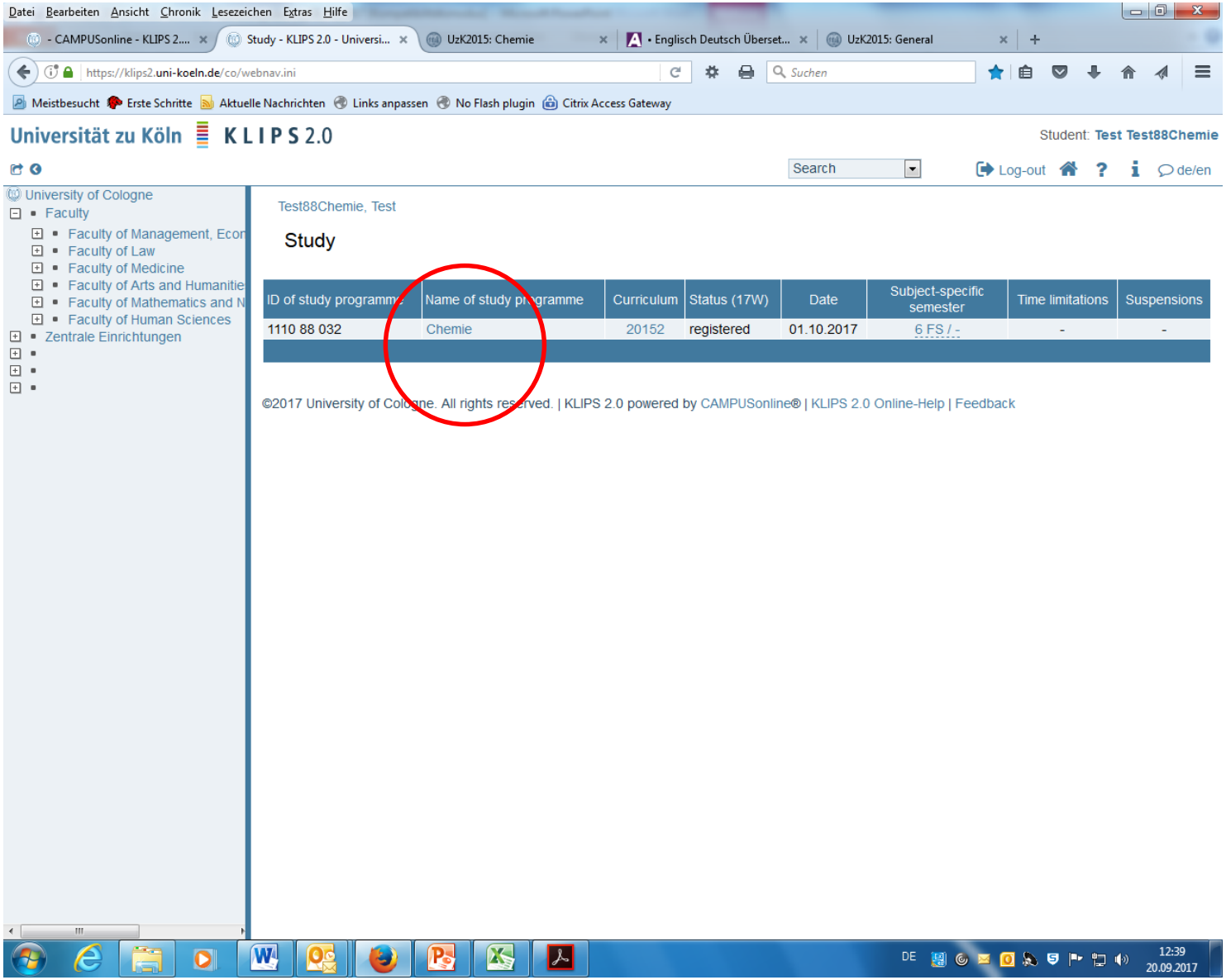
Online registration for modules – Klips 2.0





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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
[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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DE 12:42 20.09.2017

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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		M 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		M 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 <u>only</u> the modules you want to study in the actual semester.

De-register, if you changed your mind!

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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

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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
[20152] Chemie			120		1			P	EN	R	0					
[20152] Advanced and Experimental Modules			45		1			P	EN	R	0					
[20152] Inorganic Chemistry			15		1		M W	P	EN	R	0					
[20152] Organic Chemistry			15		1		W	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	Part	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** 11:00 - 13:00
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** 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		W	P	EN	R	0					
[20152] Biochemistry			15		1		W	P	EN	R	0					
[20152] Theoretical Chemistry			15		1		M W	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.

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

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Participate and get connected!

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Go abroad!

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

Contact: Dr. Thomas Fischer

?

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http://www.vivateachers.org/lesley-study-abroad-find-out-everything-you-need-and-more/

Success and fun in your master study program!

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Source: Danny Kennedy Fitness